RELEASE NOTES

AirMedia Series 3 Receivers

3.0500.0102

Product or Content Description

- **AM-3000-WF, AM-3000-WF-I**
- **AM-3100-WF, AM-3100-WF-I**
- **AM-3200, AM-3200-WF, AM-3200-WF-I, AM-3200-GV**

Item	Value
File name	am3xxx_3.0500.0102.puf
Version	3.0500.0102
MD5	f93271da34b45470f1b4d20dac379cc8
SHA-256	68a54808bf4381e2866ea8c764ef1441b7423c52f43f6124972c1da29bf12f70

System Requirements and Dependencies

The following Software tool and firmware versions (or higher) are recommended:

Crestron Fusion	11.2.0008.0049
Microsoft Exchange on premise	2016 or later
Microsoft Exchange Cloud	Microsoft 365
SIMPL Windows	4.2700.00.01
Device Database	200.315.001.00
Crestron Database	207.00.001.00
.AVF Touch Panel Project	AVF2.0_TS_v3.0500.0019.vtz AVF2.0_UC_v3.0500.0019.vtz
TS/TSW-770/1070 Version	2.004.1054.001

It is also recommended that all AirMedia applications for Windows, macOS, iOS, and Android be updated to support all the features in this release.

Firmware Upgrade Notes and Instructions

- Firmware is installed using the device's web configuration interface, XiO Cloud, or Auto Update. Crestron Toolbox is not used to install this firmware. The AM-3000/3100/3200 must not be powered down or rebooted during the firmware upgrade process.
- All new AM-3000/3100/3200 devices will automatically update firmware after being powered up for the first time and connected to a network. This update is required, and all new devices will display a banner on the connected display indicating a firmware update is required. Please allow approximately 15 minutes for this firmware upgrade to complete before configuring the device.
- Firmware downgrades are not recommended and are not supported below version 2.0200.0035. If firmware is required to be downgraded, the receiver should be restored after the downgrade.

AirMedia Connect Adaptor Notes and Recommendations

AirMedia Series 3 firmware version 3.0000.0077 introduces support for wireless presentation using the AirMedia Connect Adaptor (AM-TX3-100 and AM-TX3-100-I). **Use of the AM-TX3-100(-I) requires a Wi-Fi compatible AirMedia Series 3 Receiver; including the AM-3000-WF(-I), AM-3100-WF(-I) or AM-3200-WF(-I).**

AirMedia Connect Adaptors can be paired, configured, and updated through the AirMedia receiver's web configuration interface. It is recommended to enable a System Mode (Optimized for Multiple Presentations or Optimized for Video Quality) on the AirMedia receiver prior to pairing AirMedia Connect Adaptors so that all required settings are configured. Additional information regarding System Modes and AirMedia Connect Adaptor settings can be found in the AirMedia Series 3 Product Manual.

It is strongly recommended to update the AirMedia Connect Adaptor to the latest firmware after pairing.

If needed when working with support, logs from the Connect Adaptor are automatically retrieved by the receiver when using the Download Logs option in the web configuration interface.

Wireless Conferencing Notes and Recommendations

When a supported conferencing peripheral is connected to the AirMedia receiver, Wireless Conferencing enables audio and video calling from your laptop through a supported conferencing application. **Wireless Conferencing and USB peripherals are not supported on AM-3000-WF or AM-3000-WF-I models.**

AirMedia Series 3 firmware version 3.0100.0066 and later includes support for Wireless Conferencing using the AirMedia Connect Adaptor (AM-TX3-100). Connect Adaptors must be updated to firmware version 1.0.1.133 or later to support Wireless Conferencing. Online Help article 1001764 highlights conferencing peripherals that have been validated to work with the Connect Adaptor.

To support conferencing peripherals, the AM-3100/3200 must be powered via PoE+ or with an external DC power supply. If the AM-3100/3200 device is connected to a standard PoE switch, peripheral devices will not receive power through the USB ports, regardless of a DC power supply being present.

Volume slider sensitivity and overall speaker volume varies based on the peripheral connected. Not all peripherals support volume adjustment through the receiver. Not all peripherals support volume adjustment through the receiver.

With Wireless Conferencing enabled, only the user controlling the peripheral devices can present in full screen. All other presentations will be blocked from entering full screen.

Ensure that peripherals are connected to the AirMedia receiver prior to starting Wireless Conferencing. If the conferencing peripheral is power cycled or the USB cable is disconnected and reconnected to the AirMedia receiver, wait to start Wireless Conferencing until the device has initialized. Specific time varies based on peripheral but is generally no more than a few minutes.

Wireless Conferencing is not supported when using the built-in Wireless Access Point as the client device would not have an internet connection.

Wireless Conferencing audio and video may be lost if a user locks their screen during a presentation. It is recommended to disable screensavers prior to starting a presentation.

Advanced Presentation Usage Recommendations and Limitations

- When enabling Canvas Mode, the default number of presentations is two. To enable Advanced Presentation features, set the Max Presentation Limit to a value greater than two on the AirMedia Canvas settings page.
- Video presentations should be limited to two to ensure best performance.
- On Apple devices, presenting local downloaded video content over WiFi may cause the presentation to disconnect. Re-connect to resume presentation.
- When Canvas Mode is set to allow 2 or more presentations, text heavy content may appear blurry. For maximum image quality, reduce the number of presentations.
- When using Wireless Conferencing with a Connect Adaptor, it is recommended to only have one active session at a time.

Appspace Usage Recommendations and Limitations

For best performance, use pictures or cards with a resolution of 4K or lower, and video content with a resolution of 1080p or lower. Date, Time, Room Name, Calendar Details and Custom Logo will not be visible when ‘Signage as Background’ is enabled.

Starting with AirMedia Series 3 firmware version 3.0200.0075, the Appspace App for Devices is used, enabling content caching to a microSD card, streaming video playback, and remote layout control. Prior firmware versions used the Appspace PWA.

Realtime status of the AM-3000/3100/3200 will not be reflected in the Appspace portal.

When using Signage Only mode:

- Touch panel functions are disabled when the AM-3000/3100/3200 is configured in Signage Only mode. Configure Business Hours or use driver control in the web configuration interface to turn the room On/Off.
- HDMI, AirMedia and Miracast presentations are not allowed when Signage Only mode is enabled.
- Connection Information, Calendar and Front of the Room details will not be shown in Signage Only mode.
- If using AirMedia Experience (Legacy) application mode, ‘Appspace Integration’ and ‘Signage in Standby’ must be enabled when using the Signage Only power mode.

Current Release

3.0500.0102

Date: 2024-08-13

Item	Value
File name	am3xxx_3.0500.0102.puf

New Features

- Custom background and custom logo configuration through XiO Cloud at the group or room level
  - XiO Cloud version 1.61 introduces support for configuring custom backgrounds and logos for groups of devices. AirMedia Series 3 firmware version 3.05 includes device-side support.
  - Refer to the XiO Cloud User Guide for more information.
- REST API for AirMedia Series 3 Receivers
  - The REST API for AirMedia Series 3 receivers allows programmers to view device status and configure device settings.
  - Refer to the Crestron Developer site for documentation.
- Connect Adaptor Instruction Tile Updates
  - The second line on the instruction tile for Connect Adaptors is more intuitive and shows information appropriate for the specific receiver configuration.
  - If Wireless Conferencing is disabled, instructions to pause or stop presentation are shown.
  - If Wireless Conferencing is enabled and Connect Adaptor Behavior is set to Auto-Present, instructions to tap the peripherals button to start conferencing are shown.
  - If Wireless Conferencing is enabled and Connect Adaptor Behavior is set to Auto-Present and Auto-Conference, instructions to select the AirMedia peripherals are shown.
- Longer Room Names
  - Longer room names can be configured; between 25 – 40 characters will display depending on font size and character width.
  - If the room name exceeds the available space on the front of room display, it will be truncated with ellipses (…).
- AirMedia Connect Adaptor (AM-TX3-100) firmware version shown on Status page
  - If Auto Update (Connect Adaptors) is enabled, the firmware version stored on the receiver that will be used to Auto Update Connect Adaptors is shown in the versions list.
- WiFi 5GHz Channel 165 supported on AM-3x00-WF receivers
  - This channel is not available on international (AM-3x00-WF-I) receivers.
- Support for additional formats used by various conferencing peripherals. Refer to Online Help article 1001764 for the current list of supported devices.

Behavior Changes

- The default Windows Experience is now set to AirMedia Windows Sender for new units being configured out of the box, or if a receiver is restored.

Fixed Issues

- The 5GHz channel list on AM-3x00-WF-I devices shows the accurate list of available channels. If a channel higher than 48 was configured on a previous firmware version, the selection will be changed to Auto upon firmware update.

- Channels 12 and 13 have been removed from AM-3x00-WF-I devices. If these channels were configured on a previous firmware version, the selection will be changed to Auto upon firmware update.
- Additional localization and translation updates for various Front of Room and Touch Panel elements.
- When using the General Web signage provider, the webpage will be refreshed when the device regains network connectivity after a network outage.
- Resolves an issue where disabling the Show Miracast Info option would not persist after the device reboots.
- Resolved an issue where downloading the application from the landing page of one receiver, then clicking start presenting on the landing page of another receiver would attempt to connect to the first receiver then time out.
- Resolved an issue where disabling the “Show Login Code” option would not prevent the code from being displayed on the front of room display.
- Resolved an issue where when connecting an iOS device to the built-in access point and starting an AirPlay session, with Miracast disabled and the login code set to random, the WiFi connection would be disconnected upon stopping the AirPlay session.
- Resolved an issue where the AirMedia Client timeout setting would be fixed to 45 minutes and the drop down was grayed out.
- When using Microsoft 365 / Exchange as the scheduling provider, if a meeting is marked as private, the meeting subject will not be shown. Only the “Reserved for next…” message will be shown.
- Resolved issues where the front of room display may truncate the help information text or not show the guest connection information in certain scenarios.
- Resolved an issue where importing device drivers through XiO Cloud may fail in certain scenarios.
- Resolved an issue where firmware updates fail if the DHCP server on the network provides a provisioning server IP address (DHCP Option 66) which returns a 401 error. If this issue is encountered, devices must be updated to this version while connected to a different network, or with the DHCP option removed. Subsequent updates will complete successfully.
- Resolved an issue where IR / COM drivers may work properly.
- Resolved an issue where entering a long Signage URL could prevent the system from working as expected. Signage URLs up to 256 characters are supported.
- Resolved an issue where custom logos of certain sizes were not scaled properly.
- Resolved an issue with output resolution and scaling when a display is disconnected, and a different resolution display is connected.
- Resolved an issue where subsequent firmware updates may fail if a firmware update does not complete.
- Resolved an issue where the Appspace or General Web applications may fail to launch if the receiver is manually updated, then Auto Update is used to update to the same version.
- Resolved an issue where if the AirMedia receiver is rebooted while there is no network connection, Bluetooth Discovery would not work until the receiver is rebooted (when the network is active).
- Resolved an issue where the peripheral button on AM-TX3-100 devices may momentarily show red (unavailable) instead of white (available to start).
- Resolved an issue where audio from a signage provider configured using General Web could be heard during an active presentation.

Known Issues

- The HDMI input on AM-3200 models supports audio sample rates of 48000 or lower. If a device uses a higher sample rate, audio issues may be observed.
- If playing a video on an iPhone or iPad while using screen mirroring (not video push), the volume will increase to 100% when that video ends and the subsequent video starts.
- If connecting with AirPlay from an Apple device, enter the login code within 30 seconds from it appearing. If the code is not entered within 30 seconds, AirPlay will time out, and you will need to re-select the AirMedia receiver.
- It is recommended to wait at least 10 minutes after registering the device to Appspace prior to rebooting the device to ensure the registration process completes. If there are two consecutive unexpected power cycles Appspace registration data may be lost. This is not an issue when rebooting through the web configuration interface.
- When Appspace Digital Signage is configured as a background, the QR code shown on the Appspace registration screen may be covered by the connection instruction tiles. As a workaround, use the Appspace registration key, or temporarily hide the connection tiles to view the QR code until registered with Appspace.
- If AirMedia SHA1 support is disabled using the console command, custom certificates using SHA1 are not supported.
- If Bluetooth Discovery is enabled, attempting to connect via the AirMedia application on an iPhone / iPad / Mac after previously connecting from the same user device using Bluetooth discovery recently may yield inconsistent results. Reboot the iPhone / iPad / Mac to recover.
- When the IP address of a receiver is entered into the AirMedia app on macOS, iOS, or iPadOS, other macOS, iOS, or iPadOS devices with the AirPlay Screen Mirroring list visible at that time will see the IP address of the receiver shown in the list.
- If using a persistent HDMI source in conjunction with signage, the HDMI source playback may not recover automatically and require a remove and reinsert.
- In some cases when the device is restored the Appspace app will not unregister with the Appspace portal. To recover, manually unregister the device from the Appspace portal.
- If a delay is observed when switching between layouts in advanced Appspace channels that include streaming IPTV content, the following device property can be added to the AM3K device in the Appspace portal: Property name: player.media.bypass.loadwait, Value: true.
- If playing network video streams through Appspace, it is recommended to either enable Content Caching on the AirMedia receiver, or disable Low Bandwidth Mode in the Appspace portal. Network and switch configuration best practices should be followed for optimal performance with video streams.
- If streaming network content is playing in Appspace and the local network connection is disconnected, the device may need to be rebooted if the content does not automatically resume.
- When switching between Application Modes while an HDMI source is connected, a device reboot (or re-connecting the HDMI source) is required for the HDMI source to display again.
- After switching the channel from the Appspace console, if the device takes a while to switch to the new channel, rebooting the device will force a sync.
- SIMPL# is not yet fully supported.
- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.

- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.
- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.

- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3000/3100/3200 web configuration interface, and performance varies between different devices.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status or volume control) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- HDR video is not supported on the AM-3000/3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.

- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the AM-3000/3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-Update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.

- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3000/3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.

    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3000/3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

Release History

3.0400.0128

Date: 2024-07-02

Item	Value
File name	am3xxx_3.0400.0128.puf

New Features

- N/A

Fixed Issues

- Updated internal WiFi radio configuration.

Known Issues

- Configuring 5GHz Channels higher than 48 for the Wireless Access Point on AM-3x00-WF-I devices will cause the AirMedia receiver to use Auto channel selection, but not display correctly in the web configuration interface. This will be resolved in a subsequent firmware version.
- Configuring 2.4GHz Channels 12 or 13 for the Wireless Access Point on AM-3x00-WF-I devices will prevent the Wireless Access Point from working as expected. This will be resolved in a subsequent firmware version.
- If the Show Miracast Info toggle is disabled, the setting will not persist after a reboot. This will be resolved in a subsequent firmware version.

- If the AirMedia receiver is rebooted while there is no network connection, Bluetooth Discovery will not work until the receiver is rebooted (when the network is active). This will be resolved in a subsequent firmware version.
- The AirMedia Client timeout is fixed to 45 minutes and the drop down is grayed out. This will be resolved in a subsequent firmware version.
- Custom logos that are a different size than the recommended resolution of 600x100 will appear larger in AirMedia Experience compared to AirMedia Experience (Legacy). Custom logo scaling for other resolutions will be adjusted in a subsequent firmware version.
- If playing a video on an iPhone or iPad while using screen mirroring (not video push), the volume will increase to 100% when that video ends and the subsequent video starts.
- If connecting with AirPlay from an Apple device, enter the login code within 30 seconds from it appearing. If the code is not entered within 30 seconds, AirPlay will time out, and you will need to re-select the AirMedia receiver.
- It is recommended to wait at least 10 minutes after registering the device to Appspace prior to rebooting the device to ensure the registration process completes. If there are two consecutive unexpected power cycles Appspace registration data may be lost. This is not an issue when rebooting through the web configuration interface.
- When using a language with Right to Left text and Appspace signage configured as a background, the QR code shown on the Appspace registration screen will be covered by the connection instruction tiles. As a workaround, use the Appspace registration key, or temporarily hide the connection tiles to view the QR code until registered with Appspace.
- If AirMedia SHA1 support is disabled using the console command, custom certificates using SHA1 are not supported.
- If Bluetooth Discovery is enabled, attempting to connect via the AirMedia application on an iPhone / iPad / Mac after previously connecting from the same user device using Bluetooth discovery recently may yield inconsistent results. Reboot the iPhone / iPad / Mac to recover.
- When the IP address of a receiver is entered into the AirMedia app on macOS, iOS, or iPadOS, other macOS, iOS, or iPadOS devices with the AirPlay Screen Mirroring list visible at that time will see the IP address of the receiver shown in the list.
- If using a persistent HDMI source in conjunction with signage, the HDMI source playback may not recover automatically and require a remove and reinsert.
- In some cases when the device is restored the Appspace app will not unregister with the Appspace portal. To recover, manually unregister the device from the Appspace portal.
- If a delay is observed when switching between layouts in advanced Appspace channels that include streaming IPTV content, the following device property can be added to the AM3K device in the Appspace portal: Property name: player.media.bypass.loadwait, Value: true.
- If playing network video streams through Appspace, it is recommended to either enable Content Caching on the AirMedia receiver, or disable Low Bandwidth Mode in the Appspace portal. Network and switch configuration best practices should be followed for optimal performance with video streams.
- If streaming network content is playing in Appspace and the local network connection is disconnected, the device may need to be rebooted if the content does not automatically resume.
- When switching between Application Modes while an HDMI source is connected, a device reboot (or re-connecting the HDMI source) is required for the HDMI source to display again.

- After switching the channel from the Appspace console, if the device takes a while to switch to the new channel, rebooting the device will force a sync.
- SIMPL# is not yet fully supported.
- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.
- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.

- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3000/3100/3200 web configuration interface, and performance varies between different devices.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status or volume control) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- HDR video is not supported on the AM-3000/3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.

- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the AM-3000/3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-Update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.

- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3000/3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.

- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3000/3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0400.0087

Date: 2024-04-23

Item	Value
File name	am3xxx_3.0400.0087.puf

New Features

- The Input Routing Mode can now be configured even if a System Mode has been set. The System Mode will still set the default mode to Automatic, but the routing mode is no longer enforced.
- YouTube content is now supported in Appspace channels (playback up to 1080p is supported).
    - The WebView version is now listed on the status page in the versions list.
- Added an option to hide the time, date, and calendar from the Front of Room display.
    - The “Show Clock / Calendar” toggle in Settings → Connected Devices → Front of the Room replaces the “Show Calendar or Clock Overlay” toggle of the web configuration interface.
- The restore process has been simplified and can now be performed using the restore and setup buttons on the device. Refer to the AirMedia Series 3 Product Manual for updated instructions.
- Added console commands to disable SHA1 ciphers used by AirMedia and CIP (control) services. To configure SHA1 cipher support, use the following console commands:
    - AIRMEDIACIPHER SHA1 (ON / OFF)
    - CIP SHA1 (ON / OFF)

- Support for additional formats used by various conferencing peripherals. Refer to Online Help article 1001764 for the current list of supported devices.

Behavior Changes

- Application Mode Migration to AirMedia Experience and Signage Only
    - **Once the device updates to firmware version 3.04, the Application Mode will automatically migrate to AirMedia Experience or Signage Only, depending on device configuration.**
    - Appspace registration will be migrated, so the device does not need to be re-registered with Appspace. If Appspace was configured in the Legacy mode on an older firmware version (below 3.02), the device will wait to perform the migration until the registration token has been stored. Once the registration token is stored (after update to 3.04), the device will migrate on the next device reboot.
    - AirMedia Experience (Legacy) is no longer supported and can no longer be configured as an application mode. The only case where a receiver running 3.04 should be running in Legacy mode is if the Appspace registration token was not available on update, in which case the device will migrate on a subsequent reboot.
    - XiO Cloud version 1.58 adds support for configuration of new Application Modes.
- The web configuration interface has updated styling as the underlying framework has been updated.

Fixed Issues

- Removed the screenshot console command.
- Resolved an issue where certain AMD Ryzen based laptops may fail when attempting to present with Miracast.
- Improved connection time when using AirPlay Bluetooth discovery.
- Resolved an issue where AirPlay screen mirroring would fail to connect from an Apple device when connecting to a receiver in a different subnet from a previously connected receiver.
- When a web-based Digital Signage provider is used (through the General Web signage option), signage content will be stopped when an AirMedia session starts and restarted when the session ends. This prevents audio from continuing to be heard during presentations if a video with audio was playing as the signage content.
- Additional localization and translation updates for various Front of Room and Touch Panel elements.
- The Connect Adaptor Firmware Update Available message will be removed from the Front of Room display if the Connect Adaptor devices are deleted through the web configuration interface.
- Connection time when using Bluetooth discovery for AirPlay Screen Mirroring has been improved.
- Resolved an issue where streaming video sources from Appspace would not scale properly when the display was quickly power cycled.
- Resolved an issue where the first broadcast message received from Fusion was not displayed on the Front of Room display in AirMedia Experience application mode.
- Resolved an issue where the connection info overlay would occasionally not show the connection instruction text during presentations in the AirMedia Experience application mode.
- Resolved an issue where a Custom Logo would not be refreshed at the specified interval.
- Resolved an issue where text in the connection information overlay displayed incorrectly when using a language with right to left text.

- Resolved an issue where the Next Up meeting overlay displayed incorrectly when using a language with right to left text.
- Resolved an issue where certain assets may not reliably show as online with Crestron Fusion.
- Increased timeout to receive registration token from Appspace to account for slower network conditions.

Known Issues

- The AirMedia Client timeout is fixed to 45 minutes and the drop down is grayed out. This will be resolved in the next firmware version.
- Custom logos that are a different size than the recommended resolution of 600x100 will appear larger in AirMedia Experience compared to AirMedia Experience (Legacy). Custom logo scaling for other resolutions will be adjusted in the next firmware version.
- If playing a video on an iPhone or iPad while using screen mirroring (not video push), the volume will increase to 100% when that video ends and the subsequent video starts.
- If connecting with AirPlay from an Apple device, enter the login code within 30 seconds from it appearing. If the code is not entered within 30 seconds, AirPlay will time out, and you will need to re-select the AirMedia receiver.
- It is recommended to wait at least 10 minutes after registering the device to Appspace prior to rebooting the device to ensure the registration process completes. If there are two consecutive unexpected power cycles Appspace registration data may be lost. This is not an issue when rebooting through the web configuration interface.
- When using a language with Right to Left text and Appspace signage configured as a background, the QR code shown on the Appspace registration screen will be covered by the connection instruction tiles. As a workaround, use the Appspace registration key, or temporarily hide the connection tiles to view the QR code until registered with Appspace.
- If AirMedia SHA1 support is disabled using the console command, custom certificates using SHA1 are not supported.
- If Bluetooth Discovery is enabled, attempting to connect via the AirMedia application on an iPhone / iPad / Mac after previously connecting from the same user device using Bluetooth discovery recently may yield inconsistent results. Reboot the iPhone / iPad / Mac to recover.
- When the IP address of a receiver is entered into the AirMedia app on macOS, iOS, or iPadOS, other macOS, iOS, or iPadOS devices with the AirPlay Screen Mirroring list visible at that time will see the IP address of the receiver shown in the list.
- If using a persistent HDMI source in conjunction with signage, the HDMI source playback may not recover automatically and require a remove and reinsert.
- In some cases when the device is restored the Appspace app will not unregister with the Appspace portal. To recover, manually unregister the device from the Appspace portal.
- If a delay is observed when switching between layouts in advanced Appspace channels that include streaming IPTV content, the following device property can be added to the AM3K device in the Appspace portal: Property name: player.media.bypass.loadwait, Value: true.
- If playing network video streams through Appspace, it is recommended to either enable Content Caching on the AirMedia receiver, or disable Low Bandwidth Mode in the Appspace portal. Network and switch configuration best practices should be followed for optimal performance with video streams.

- If streaming network content is playing in Appspace and the local network connection is disconnected, the device may need to be rebooted if the content does not automatically resume.
- When switching between Application Modes while an HDMI source is connected, a device reboot (or re-connecting the HDMI source) is required for the HDMI source to display again.
- After switching the channel from the Appspace console, if the device takes a while to switch to the new channel, rebooting the device will force a sync.
- SIMPL# is not yet fully supported.
- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.
- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.

- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3000/3100/3200 web configuration interface, and performance varies between different devices.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status or volume control) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- HDR video is not supported on the AM-3000/3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).

- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the AM-3000/3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-Update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.

- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3000/3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.

- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3000/3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0300.0071

Date: 2024-01-18

Item	Value
File name	am3xxx_3.0300.0071.puf

New Features

- Touch Interaction with Appspace Digital Signage
    - An interactive display can be connected to an AirMedia receiver via USB to control Appspace content using touch interactions.
    - The AirMedia receiver must be set to the AirMedia Experience or Signage Only Application Mode with Appspace selected as the Signage Provider.
    - The AirMedia receiver must be powered via PoE+ or DC power.

- General Web Signage Provider support when using the Signage Only application mode.
- Support for additional formats used by various conferencing peripherals. Refer to Online Help article 1001764 for the current list of supported devices.
- Added console commands to disable SHA1 ciphers used by the SSH interface and web server. To configure SHA1 cipher support, use the following console commands:
    - SSHSERVER SHA1 (ON / OFF)
    - WEBSERVER SHA1 (ON / OFF)

Fixed Issues

- Internal security updates.
- Improved speaker audio quality and decreased frequency of audio pops during wireless presentation or conferencing sessions.
- Resolved an issue where Room IDs used with VC-4 would be truncated after a device reboot.
- Additional localization and translation updates for various Front of Room and Touch Panel elements.
- Languages that use Right to Left text (such as Arabic or Hebrew) are now supported in the AirMedia Experience application mode.
- Underscan adjustment is now supported in the AirMedia Experience application mode.
- Dynamic image refresh is now supported in the AirMedia Experience application mode.
- Resolved truncation issues in the AirMedia Experience application mode.
- Resolved an issue where certain UDP streams in Appspace channels would not display correctly.
- Resolved issues with Flex Mode when used with the AirMedia Experience application mode.
- Resolved issue where device serial number would not be displayed correctly in the Information Gathering Tool, Network autodiscovery, and the XiO Cloud File export function in Crestron Toolbox.
- Resolved an issue with contrast when using AirPlay screen mirroring where certain color reproduction was inaccurate.

Behavior Changes

- AirMedia Experience and Signage Only Application Modes
    - AirMedia Experience and Signage Only have been added as Application Mode options, the previous mode has been renamed to AirMedia Experience (Legacy). The new modes enable additional signage functionality. **Admins are encouraged to migrate to the AirMedia Experience or Signage Only application modes, devices will be automatically migrated in the next release, and legacy mode will be removed in a subsequent release.**
- Default device configuration has been updated to improve the out of box experience. When a receiver is restored, System Mode will default to Optimized for Multiple Presentations and Connect Device Local Pairing will be enabled.

Known Issues

- When connected to Crestron Fusion, certain assets may not reliably show as online with Fusion. This will be addressed in a subsequent release.
- Certain AMD Ryzen based laptops may fail when attempting to present with Miracast. This will be addressed in a future release. As a workaround, downgrade the AMD Radeon Graphics Driver to v30, or use the AirMedia application.

- The Show Calendar or Clock Overlay toggle does not behave as expected. This will be addressed in a future release.
- If Bluetooth Discovery is enabled, attempting to connect via the AirMedia application on an iPhone / iPad / Mac after previously connecting from the same user device using Bluetooth discovery recently may yield inconsistent results. Reboot the iPhone / iPad / Mac to recover.
- When the IP address of a receiver is entered into the AirMedia app on macOS, iOS, or iPadOS, other macOS, iOS, or iPadOS devices with the AirPlay Screen Mirroring list visible at that time will see the IP address of the receiver shown in the list.
- When using the AirMedia Experience application mode, if using a URL for a Custom Logo and Refresh Image is enabled, the logo will be retrieved at configuration but not refreshed on the specified interval. This will be addressed in a future release.
- When using the AirMedia Experience application mode, the connection info overlay may occasionally not show the connection instruction text during presentations. This will be addressed in a future release.
- When using the AirMedia Experience application mode, the first broadcast message received from Fusion will not be displayed on the Front of Room display. Subsequent messages will display correctly. This will be addressed in a future release, or use the AirMedia Experience (Legacy) application mode in the interim.
- If using a persistent HDMI source in conjunction with signage, the HDMI source playback may not recover automatically and require a remove and reinsert.
- In some cases when the device is restored the Appspace app will not unregister with the Appspace portal. To recover, manually unregister the device from the Appspace portal.
- If a delay is observed when switching between layouts in advanced Appspace channels that include streaming IPTV content, the following device property can be added to the AM3K device in the Appspace portal: Property name: player.media.bypass.loadwait, Value: true.
- If playing network video streams through Appspace, it is recommended to either enable Content Caching on the AirMedia receiver, or disable Low Bandwidth Mode in the Appspace portal. Network and switch configuration best practices should be followed for optimal performance with video streams.
- If streaming network content is playing in Appspace and the local network connection is disconnected, the device may need to be rebooted if the content does not automatically resume.
- When switching between Application Modes while an HDMI source is connected, a device reboot (or re-connecting the HDMI source) is required for the HDMI source to display again.
- YouTube cards are not yet supported in Appspace channels. This will be addressed in a future release.
- After switching the channel from the Appspace console, if the device takes a while to switch to the new channel, rebooting the device will force a sync.
- SIMPL# is not yet fully supported.
- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.

- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.
- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.

- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3000/3100/3200 web configuration interface, and performance varies between different devices.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status or volume control) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- HDR video is not supported on the AM-3000/3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.

- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the AM-3000/3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-Update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.

- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3000/3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3000/3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0200.0075

Date: 2023-11-14

Item	Value
File name	am3xxx_3.0200.0075.puf

New Features

- Bluetooth Discovery for AirPlay Screen Mirroring
    - Bluetooth Discovery enables iPhone, iPad, and Mac devices to discover nearby AirMedia receivers and connect using AirPlay Screen Mirroring, even if located in different network subnets or in network configurations where Bonjour / mDNS is not available for discovery.
    - iPhone / iPad / Mac devices must still be connected to a network that can reach the AirMedia receiver; once the beacon is seen, the user device will verify network connectivity to the receiver and show the AirMedia receiver as an available destination.
    - This is available on Wireless compatible receiver models (-WF or -WF-I) and can be enabled in Settings → AirMedia → General Settings.
- Appspace App for Devices
    - AirMedia Series 3 receivers now support the full Appspace App for Devices, enabling content caching, enhanced card types (including IPTV and streaming channels), and remote layout control.
    - Content caching to a microSD card is now supported. When a microSD card is inserted into the receiver, Content Caching can be enabled in the web configuration interface, which will store content locally rather than streaming all content directly from Appspace.
    - When the AirMedia Experience application mode is selected, select Appspace as the signage provider to enable the new Appspace experience in Settings → Application Mode.
    - If the receiver was registered to Appspace in the Legacy mode, Appspace registration will be migrated when switching to the new AirMedia Experience application mode.

- General Web Signage Support
    - Additional signage providers can now be leveraged on AirMedia via the General Web signage provider option. This allows a custom Signage URL to be entered to display as the background or standby signage content.
- Application Auto-Connect from Web Landing Page
    - By default, downloading the AirMedia Windows or macOS application from the landing page of an AirMedia receiver will automatically connect to the receiver the app was downloaded from. This makes it easy for users to present to that specific receiver quickly, but some organizations may wish to have the standard guest application downloaded so that users can launch it again later to connect to different receivers.
    - If desired, this can be disabled in Settings → AirMedia → Application Downloads under the Application Options section.
- Option to Hide the AirMedia Connect Adaptor Tile
    - The AirMedia Connect Adaptor instruction tile can be disabled if desired in Settings → AirMedia → Connection Display.
- Audio Output Volume Control via device extender in SIMPL Windows
    - Requires Device Database version 200.315.001.00 for support in SIMPL Windows.

Fixed Issues

- Localization and translation updates for various Front of Room elements. (Certain Connect Adaptor related Front of Room elements will be translated in a subsequent release).
- Resolves an issue where devices may fail to authenticate and connect to the network when 802.1X authentication is used.
- Resolves an issue where Connect Adaptor firmware Auto Updates would not occur if the AirMedia receiver firmware has been manually updated through XiO Cloud.
- Resolves an issue where certain ports did not support the full set of standard cipher suites.
- Resolves an issue where certain display driver attributes would not be shown in the web configuration interface.

Behavior Changes

- AirMedia Experience and Signage Only Application Modes
    - AirMedia Experience and Signage Only have been added as Application Mode options, the previous mode has been renamed to AirMedia Experience (Legacy). The new modes enable additional signage functionality. **Admins are encouraged to migrate to the AirMedia Experience application mode, devices will be automatically migrated in a future release, and the legacy mode will be removed in a subsequent release.**

Known Issues

- If Bluetooth Discovery is enabled, attempting to connect via the AirMedia application on an iPhone / iPad / Mac after previously connecting from the same user device using Bluetooth discovery recently may yield inconsistent results. Reboot the iPhone / iPad / Mac to recover.
- When the IP address of a receiver is entered into the AirMedia app on macOS, iOS, or iPadOS, other macOS, iOS, or iPadOS devices with the AirPlay Screen Mirroring list visible at that time will see the IP address of the receiver shown in the list.

- Languages that use Right to Left text (such as Arabic or Hebrew) are not yet supported with the AirMedia Experience application mode. This will be resolved in a future release, in the interim continue using AirMedia Experience (Legacy) when using a language with right to left text.
- Dynamic image refresh is not currently supported in AirMedia Experience mode, the AirMedia Experience (Legacy) mode should be used if dynamic refresh is required. This will be addressed in a subsequent release.
- Underscan adjustment is not currently supported in AirMedia Experience mode. If an underscan adjustment is required, AirMedia Experience (Legacy) mode should be used.
- When using the AirMedia Experience application mode, the connection info overlay may occasionally not show the connection instruction text during presentations. This will be addressed in a subsequent release.
- If using a persistent HDMI source in conjunction with signage, the HDMI source playback may not recover automatically and require a remove and reinsert.
- If a delay is observed when switching between layouts in advanced Appspace channels that include streaming IPTV content, the following device property can be added to the AM3K device in the Appspace portal: Property name: player.media.bypass.loadwait, Value: true.
- If streaming video is configured to play on the receiver through Appspace, network and switch configuration best practices should be followed for optimal performance.
- If streaming network content is playing in Appspace and the local network connection is disconnected, the device may need to be rebooted if the content does not automatically resume.
- When switching between Application Modes while an HDMI source is connected, a device reboot (or re-connecting the HDMI source) is required for the HDMI source to display again.
- If unable to login to the web configuration interface, clear browser cookies or try an incognito window and try again.
- YouTube cards are not yet supported in Appspace channels. This will be addressed in a future release.
- After switching the channel from the Appspace console, if the device takes a while to switch to the new channel, rebooting the device will force a sync.
- SIMPL# is not fully supported as of firmware version 3.0200.0075.
- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Occasionally audio pops may be heard when using certain conferencing peripherals. This will be addressed in a future release.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.

- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- In certain scenarios the AirMedia Connect Adaptor tile is removed from the Front of Room display even when devices are still paired. Reconnecting an AM-TX3-100(-I) device will bring the tile back.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.

- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn’t detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.

- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.

- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.

- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0100.0079

Date: 2023-09-21

Item	Value
File name	am3xxx_3.0100.0079.puf

Fixed Issues

- Improves overall latency when using wireless conferencing with an AM-TX3-100(-I) and prevents cases where latency could increase during sessions.

- Resolves an issue where Zum keypads may not work as expected and required the AirMedia receiver to be restored.

Known Issues

- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Occasionally audio pops may be heard when using certain conferencing peripherals. This will be addressed in a future release.
- Connect Adaptor firmware Auto Updates will not occur if the AirMedia receiver firmware has been manually updated through XiO Cloud. This will be addressed in a future release.
- Port 7879 used by Connect Adaptors does not currently support the full set of standard cipher suites.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.
- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- In certain scenarios the AirMedia Connect Adaptor tile is removed from the Front of Room display even when devices are still paired. Reconnecting an AM-TX3-100(-I) device will bring the tile back.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".

- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.

- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.

- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.

- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.

    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0100.0066

Date: 2023-08-29

Item	Value
File name	am3xxx_3.0100.0066.puf

New Features

- Connect Adaptor Wireless Conferencing Support
    - Wireless conferencing is now supported on the AM-TX3-100(-I) Connect Adaptor. When conferencing peripherals are connected to the AirMedia receiver, the Connect Adaptor can wirelessly take advantage of the in-room peripherals (camera, mic, and speaker). No drivers or software are required to be installed or run on the laptop.
    - Wireless Conferencing on the Connect Adaptor supports both PCs and Mac devices.
    - Connect Adaptors must be updated to firmware version 1.0.1.133 or later.
    - Online Help article 1001764 lists conferencing peripherals that have been validated to work with Connect Adaptors.
- Connect Adaptor Local Pairing
    - If enabled, the setup button on the receiver can be held for 5 seconds to enter pairing mode. This can be configured in Settings → AirMedia → Connect Devices.
- Connect Behavior Settings
    - The default behavior when a Connect Adaptor is connected to a laptop can be configured in Settings → AirMedia → Connect Devices.
        - If set to Auto-Present and Auto-Conference, both presentation and conferencing will start upon connection.
        - If set to Auto-Present, presentation will start automatically, but users must tap the peripherals button to begin conferencing.
- Connect Adaptor Auto-Update
    - Connect Adaptors are now automatically updated through the paired AirMedia receiver when new firmware has been released. Connect Adaptor firmware will be automatically downloaded to the receiver using Auto Update, and if an outdated Connect Adaptor comes online a prompt will be shown on the Front of Room display indicating an update is

available. When this appears, users can follow the on-screen instructions to complete the update (press and hold the peripheral button for 5 seconds).
    - This is enabled by default but can be managed in Settings → System Setup → Auto Update.
    - Connect Adaptors must be updated to firmware version 1.0.1.133 or later; automatic updates will occur with subsequent updates to later versions.
- Zum Keypad Support
    - Zum AirMedia keypads now work with AirMedia receivers, providing a simple room control option for display power and volume control.
    - A Zum AVBridge can be connected to the receiver via USB, and keypads can be paired in Settings → Connected Devices. Refer to the AirMedia Series 3 Product Manual for more details.

Behavior Changes

- In the web configuration interface, the Transmitter Pairing tab under the AirMedia accordion on the Settings page has been renamed to Connect Devices.
- In the web configuration interface, an Application Mode accordion has been added to the Settings page. Options related to Digital Signage and Appspace configuration have been moved to this section, and the Digital Signage accordion has been removed.

Fixed Issues

- The AM-TX3-100(-I) signal strength indicators in the Transmitter Pairing table do not dynamically update, but rather show the signal upon connection.
- Resolves an issue with devices not reporting all usage data to XiO Cloud to be displayed in the device dashboard.

Known Issues

- When using Wireless Conferencing on AM-TX3-100(-I), only one active AM-TX3-100(-I) session is supported.
- When using Wireless Conferencing on AM-TX3-100(-I), certain peripherals will experience higher conferencing latency. If this is observed, check the WiFi channel selection, or try to switch the Conferencing quality mode to Low.
- When using Wireless Conferencing on AM-TX3-100(-I), the double tap to pause functionality is not available. To pause the presentation, first end the conferencing session by tapping the peripheral button.
- When using Wireless Conferencing on AM-TX3-100(-I), the conferencing indicators will not be shown in the session control list of AirMedia applications.
- Occasionally audio pops may be heard when using certain conferencing peripherals. This will be addressed in a future release.
- Connect Adaptor firmware Auto Updates will not occur if the AirMedia receiver firmware has been manually updated through XiO Cloud. This will be addressed in a future release.
- If a Zum keypad doesn't work as expected, the AirMedia receiver may need to be restored. This will be addressed in a future release.
- Port 7879 used by Connect Adaptors does not currently support the full set of standard cipher suites.
- Certain Web Browsers will not show the correct progress status of a firmware update due to the browser saving resources. This does not impact the update status.
- The AirMedia Chrome Extension for ChromeOS devices is not supported via the Access Point Mode.

- If the battery is removed from a Zum Keypad while paired with the Zum, AVBridge, the device will still report as online in the AirMedia receiver's web configuration interface. Reinsert or change the keypad battery to recover.
- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- In certain scenarios the AirMedia Connect Adaptor tile is removed from the Front of Room display even when devices are still paired. Reconnecting an AM-TX3-100(-I) device will bring the tile back.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.

- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn’t detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.

- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.

- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.

- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0000.0077

Date: 2023-05-11

Item	Value
File name	am3xxx_3.0000.0077.puf

New Features

- N/A

Fixed Issues

- Resolves an issue where AM-TX3-100(-I) devices could disconnect during several simultaneous long-term presentations.
- Time zone definition update to support Daylight Savings Time in Egypt.
- Resolves an issue where the AirMedia Connect Adaptor tile on the Front of Room Display would be removed until an AM-TX3-100(-I) was re-connected.

Known Issues

- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- If WLANSUBNETMODE is changed from the default setting; certain browser versions may not automatically redirect users to the AirMedia landing page.
- If a user connects to the built-in Wireless Access Point of the receiver and then attempts to use Miracast WiFi Direct for presentation, the connection will fail. It is recommended to use the AirMedia application when connecting to the built-in Wireless Access Point; or to use Miracast over Wi-Fi Direct while connected to a different network.
- The signal strength indicators in the Transmitter Pairing table do not dynamically update, but rather show the signal upon connection.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- In certain scenarios the AirMedia Connect Adaptor tile is removed from the Front of Room display even when devices are still paired. Reconnecting an AM-TX3-100(-I) device will bring the tile back.
- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report “DST is not valid”.
- When using Miracast, it is recommended to ensure your laptop’s video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.

- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).

- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.

- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.

- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

3.0000.0067

Date: 2023-04-21

Item	Value
File name	am3xxx_3.0000.0067.puf

New Features

- AirMedia Connect Adaptor (AM-TX3-100 and AM-TX3-100-I) Support
    - Connect Adaptors can be paired with a Wi-Fi compatible AirMedia Series 3 Receiver to enable simple wireless presentation, without requiring applications or software installations.
    - Up to 8 Connect Adaptors can be paired with a single receiver.
    - Connect Adaptors support 4K video resolution when the System Mode is set to Optimized for Video Quality, or 1080p resolution when System Mode is set to Optimized for Multiple Presentations or Custom.
    - When one or more Connect Adaptors are paired with an AirMedia receiver, the AirMedia Connect Adaptor tile will be shown on the Front of Room display.
- System Mode Support
    - Introduction of simplified configuration modes to streamline settings for common uses. Refer to the AirMedia Series 3 product manual for detailed information on each mode and related settings. When a System Mode is set, any enforced settings will display an information icon.
    - Three System Modes options are available:
        - Optimized for Video Quality: Supports a single AM-TX3-100(-I) or Miracast WiFi direction session presenting at 4K, other sources up to 1080p
        - Optimized for Multiple Presentations: Supports multiple presentations up to 1080p
        - Custom: all settings need to be manually configured (default after firmware update)
- Configuration Option for Miracast Tile on Front of Room Display
    - A new toggle is available under Settings → AirMedia → Connection Display which can be used to enable or disable the Miracast instruction tile from being shown on the Front of Room display.

Fixed Issues

- Miracast reliability enhancements and WiFi Direct performance improvements.

Known Issues

- When one Miracast or AM-TX3-100(-I) session is active, the maximum number of simultaneous presentations is limited to 3.
- The signal strength indicators in the Transmitter Pairing table do not dynamically update, but rather show the signal upon connection.
- Presentation content with high density text may appear washed out when presenting with an AM-TX3-100(-I).
- In rare scenarios during long term AM-TX3-100(-I) presentations, the AirMedia receiver may encounter an error. The device will automatically reboot to recover.
- The external antennas included with the AM-3200-WF(-I) must be connected prior to powering on the device. If they are disconnected when the device is powered on, WiFi signal may be lost.
- In certain scenarios the AirMedia Connect Adaptor tile is removed from the Front of Room display even when devices are still paired. Reconnecting an AM-TX3-100(-I) device will bring the tile back.

- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report “DST is not valid”.
- When using Miracast, it is recommended to ensure your laptop’s video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera’s video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.

- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.

- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.

- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.

    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0500.0011

Date: 2023-03-21

Item	Value
File name	am3xxx_2.0500.0011.puf

New Features

- N/A

Fixed Issues

- Time zone definition updates to support changes in how several regions observe Daylight Savings Time.

Known Issues

- Greenland Standard Time (UTC-03:00) shifts the time to be one hour ahead on the March 2023 DST change. This will not be an issue in subsequent years. When a device uses this time zone, the timezone console command will report "DST is not valid".
- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.

- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.

- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.

- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.

- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0400.0033

Date: 2022-12-13

Item	Value
File name	am3xxx_2.0400.0033.puf

New Features

- AM-3000-WF and AM-3000-WF-I Support
    - AirMedia firmware version 2.0400 includes support for AM-3000-WF and AM-3000-WF-I. These models support do not support any firmware versions below 2.0400.

Fixed Issues

- Resolved an issue where usernames with underscores could not login to the device.

Known Issues

- When using Miracast, it is recommended to ensure your laptop's video / graphics drivers are up to date.
- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional

features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.

- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.

- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.

- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.

- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0300.0019

Date: 2022-11-01

Item	Value
File name	am3xxx_2.0300.0019.puf

New Features

- Wireless Conferencing HDMI Camera Support
    - The HDMI input port on an AM-3200(-WF)(-I) can be configured in either Content mode (default) or Camera mode. When set to Camera mode, the connected HDMI camera will be available for wireless conferencing, along with a USB connected audio device.
    - The 1Beyond Hawk (IV-CAMHK-12-SLVR-1B) is the first supported HDMI camera peripheral. Please see OLH 1001764 for more information.
- Wireless Conferencing Privacy Enhancement

    - Wireless Conferencing is not available if the Front of Room display is powered off. This enhances privacy as the on-screen privacy indicators will be shown in the room (if enabled) during a conferencing session.
- Wireless Conferencing Speed Enhancements
    - The AirMedia Windows sender will now start Wireless Conferencing sessions faster, as drivers are prepared upon initial connection. Be sure to update to AirMedia Windows application version 5.7.1.53 and AirMedia Peripherals version 1.2.0.53.

Fixed Issues

- Wireless Conferencing stability improvements.
- Removed excessive logging in certain scenarios to improve performance.
- General bug fixes and performance improvements.

Known Issues

- A several second delay may be observed when initially connecting to an AirMedia receiver with Wireless Conferencing enabled if the AirMedia peripherals have been installed.
- It is recommended to allow the Wireless Conferencing session to fully disconnect prior to starting another Wireless Conferencing session on a different device.
- YouTube video push from an iOS / iPadOS device to an AirMedia receiver requires the devices to be on the same subnet.
- When using conferencing, if delays or pixelization issues are observed when using the HDMI input in camera mode, there is likely packet loss or similar network issues present between the laptop and AirMedia receiver.
- Conferencing peripherals should be connected to the AirMedia receiver prior to starting Wireless Conferencing.
- The Microsoft Teams app on iOS and iPadOS will always use the built-in speaker for calls, even when the device is connected to an AirMedia receiver.
- Cameras should be connected to the USB 3.0 port on the AirMedia receiver to maximize compatibility.
- When using an HDMI camera with Wireless Conferencing, connect the camera to the HDMI input port prior to starting Wireless Conferencing.
- When using the Jabra Panacast 50 as a Wireless Conferencing peripheral, if the camera's video is lost, wait 30 seconds and restart Wireless Conferencing to recover.
- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.
- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.

- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.

- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.

- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.

- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0200.0035

Date: 2022-09-13

Item	Value
File name	am3xxx_2.0200.0035.puf

New Features

- Support for preventing the AirMedia app download from the web landing page. To enable this, issue the command **airmediadownload disable** from Text Console. To re-enable the standard app download functionality, issue the command **airmediadownload enable**.

Fixed Issues

- General bug fixes and performance improvements.

Known Issues

- It is recommended to enable Canvas Session Controls when Wireless Conferencing is enabled so that peripheral status is shown on connected touch panels.

- Certain network switches may cause an inaccurate status of PoE or PoE+ to be reported in the web configuration interface. This will be addressed in a future release.
- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URLs.
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the ‘When User Locks Screen’ option in the AirMedia sender app to ‘Nothing’ to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, ‘Error starting Wireless Conferencing’ messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn’t detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.

- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.

- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.

- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device’s built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode ‘WiFi Direct Only’ may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.
- When presenting a PowerPoint from an iPhone in portrait orientation, the device’s aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar’s home button not functioning. To recover, restore the touch panel.
- AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0100.0019

Date: 2022-08-04

Item	Value
File name	am3xxx_2.0100.0019.puf

New Features

- Dynamic Code
    - This streamlines the connection process for users by highlighting the pin code that is required for connecting. When a user selects an AirMedia receiver in the app, the pin code

(if enabled) will pop-up on the Front of Room display in large text for the user to enter on their device.

- AirPlay Screen Mirroring Tile on Front of Room Display
    - When navigating to Settings → AirMedia → Connection Display, there is a new toggle to enable the Airplay Screen Mirroring information tile on the Front of Room display (HDMI output). Turning this on will add a new tile with Screen Mirroring instructions for Apple users.
- Miracast Tile updated with Device Name
    - When Miracast is enabled on the AirMedia receiver, the information tile will now display the receiver's hostname as shown in the Miracast device list for users to connect.
- Power Status info in Web Configuration Interface
    - The power source used by the AirMedia receiver is using is now shown in the Web Configuration Interface. When navigating to Status → Device → Power Status, you will see 'PoE+', 'PoE', or 'DC' depending on the currently active power source. An error message will also be shown when attempting to enable Wireless Conferencing while on PoE power (which is not supported).

Fixed Issues

- Improve system performance and reliability when connecting Wireless Conferencing peripherals via USB.

Known Issues

- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URLs, or WiFi passwords (either for the built-in Access Point or external network connection info).
- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).

- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.

- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.

- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- If intermittent audio is heard when presenting from a Windows laptop, ensure your audio device drivers are up to date. If intermittent audio is still observed after updating audio drivers, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0000.0104

Date: 2022-06-30

Item	Value
File name	am3xxx_2.0000.0104.puf

New Features

- N/A

Fixed Issues

- Resolved an issue where MacBook devices with an M1 chip would show a green screen during presentation.
- Improve system performance and reliability when using Wireless Conferencing.

Known Issues

- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).

- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URL's.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.

- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.

- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- When presenting from a laptop with an AMD processor, audio output can be intermittent. If this is observed, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.

AM-3100/3200 devices require PoE+ or DC power to provide power to connected conferencing peripherals. If standard PoE power is connected, peripherals will not work properly.

2.0000.0098

Date: 2022-06-15

Item	Value
File name	am3xxx_2.0000.0098.puf

New Features

- N/A

Fixed Issues

- Resolved an issue where Wireless Conferencing could fail to start after many session restarts.
- Improve system performance and reliability when connected to certain conferencing peripherals.

Known Issues

- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).

- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.
- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URL's.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.

- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.

- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows 10 version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
    - Miracast is recommended to be used on networks with authentication configured.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

- When presenting a PowerPoint from an iPhone in portrait orientation, the device's aspect ratio will be used instead of the PowerPoint aspect ratio.
- When presenting from a laptop with an AMD processor, audio output can be intermittent. If this is observed, it is recommended to install the peripheral driver package and start Wireless Conferencing through the AirMedia application.
- When configuring an AM-3100/3200 with Fusion, ensure SSL is selected and the username and password are entered.
- Disabling hard keys on a connected x70 touch panel running the .AVFramework project will result in the virtual toolbar's home button not functioning. To recover, restore the touch panel.

2.0000.0081

Date: 2022-06-01

Item	Value
File name	am3xxx_2.0000.0081.puf

New Features

- Added support for Wireless Conferencing on Windows.

Fixed Issues

- Fixed issue where users were unable to download the AirMedia application when accessing the AirMedia webpage via FQDN (instead of IP address).

Known Issues

- Wireless Conferencing is not supported when Flex mode is enabled.
- Wireless Conferencing peripheral status icons are not displayed on Touch Panel source page.
- For Windows 10 N users, the following steps must be taken to enable Wireless Conferencing peripheral support: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features. Install Media feature pack.
- Setting iPhone Airplay volume to 0 does not completely mute content audio on the connected USB audio device.
- Source volume control is not available when playing video push content from iOS devices. An acceptable level should be set using the volume slider within the AM-3100/3200 web configuration interface, and performance varies between different devices.
- Localization has not yet been implemented for Wireless Conferencing related features.
- Depending on the laptop system configuration, it can take varying lengths of time to start or stop Wireless Conferencing. After starting Wireless Conferencing, it may take 10 or more seconds for the virtual device to be available in conferencing applications.
- HID feedback (mic mute status) is not supported for USB peripherals.
- When using Wireless Conferencing, users should set the 'When User Locks Screen' option in the AirMedia sender app to 'Nothing' to avoid disconnects.
- Wireless Conferencing users should maintain an active presentation when using Wireless Conferencing (users should not dock or pause their session).
- Due to a known Microsoft Windows issue, 'Error starting Wireless Conferencing' messages may be observed after a recent Windows Update. A reinstall of Wireless Conferencing peripheral drivers is recommended if this error is encountered. See this article for more information.

- When a Wireless Conferencing session is started, previously active HDMI presentations cannot be docked.
- When using the Crestron UC-SB1-CAM with the AM-3100/3200, certain USB cables can cause unpredictable behavior. When in this scenario, if you encounter an error message, the camera feed shows black, the laptop doesn't detect the camera, or the AM-3100/3200 reboots when starting an AirMedia session, connect the UC-SB1-CAM to the USB 2.0 port of the AM-3100/3200.
- HDR video is not supported on the AM-3100/AM3200. It is recommended to disable HDR on display devices to achieve best picture quality.
- When presenting using Windows Miracast and the session is disconnected from the .AVFramework panel, Windows may cache the Miracast PIN and prevent future connections. To recover, establish a new Miracast session from the menu (Windows + K).
- When configuring 802.1x authentication, the OCSP Mode toggle can report an error and not save properly.
- When using Miracast Infrastructure mode, it is recommended that the sender device be on the same subnet as the AirMedia receiver.
- Special characters (%, ", <, >, {, }, |, and \ ) are not supported in custom background or logo URL's.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an "Invalid Port" error may be shown. Temporarily select a different driver to recover normal operation.

- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.

- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixelation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
    - It is not recommended to connect to the AirMedia device's built-in Wireless Access Point and present using Miracast. Use Miracast WiFi Direct mode instead.
    - The Miracast connection mode 'WiFi Direct Only' may connect to the AirMedia receiver without the need for a presentation code.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5060.0018

Date: 2022-03-01

Item	Value
File name	am3xxx_1.5060.0018.puf

New Features

- Advanced Presentation performance and stability improvements.
- Added filter button to AVF touch panel to show only users that are currently presenting.

Fixed Issues

- Fixed issue causing Sender app downloads to fail when the AM3100/3200 is accessed via Host Name.
- Fixed issue causing Miracast to not function in Infrastructure mode with Login Code Disabled.

Known Issues

- Special characters (%, “, <, >, {, }, |, and \ ) are not supported in custom background or logo URL’s.
- Drivers that have been uploaded or imported from XiO Cloud will remain in the imported drivers list after deletion until the AM3100/3200 is rebooted.
- With 30 AirMedia users connected, connecting a 31st user will disconnect the next most recently connected user that is not actively presenting.
- When Auto Launch AirMedia Page is set to Enabled, users connected to the WiFi AP cannot access the Web UI through the Chrome and Edge browsers. Use Firefox browser if Web UI access is required while connected to the WiFi AP.
- Disabling calendaring from the Web UI will not un-register the previously selected calendar.
- Presenting using an HP Chromebook (ChromeOS version 94.0.4606.124, Chrome Extension version 1.0.1.0) may result in loss of connection. Reconnect to resume presentation.
- When mirroring content from Chrome OS desktop, the audio icon will be erroneously displayed on TSW touch panels and Canvas Session Control screens.
- Static IP addresses are not supported on AUX LAN.
- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.

- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.

- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5050.0016

Date: 2021-12-28

Item	Value
File name	am3xxx_1.5050.0016.puf

New Features

- Added support for Advanced Presentation (Early Preview Feature)
- Added support for Dual LAN Functionality.

Note: The secondary LAN port has limited functionality. It is intended solely for use with a guest network and does **not** support the following devices and services:

- XiO Cloud service
- Crestron Fusion software
- Scheduling services (such as Google Calendar or Microsoft 365 software)
- Occupancy sensors
- Touch screen control
- ChromeOS presentation
- Power over Ethernet

Fixed Issues

- Fixed issue preventing group from being changed for existing user accounts.
- Fixed issue causing Custom URL to be displayed instead of IP address.

Known Issues

- Connections to the WiFi Access Point may drop suddenly when presenting using MacOS devices with WiFi 5 or earlier Wireless adapters. WiFi 6 is recommended.
- After connecting Miracast over AUX LAN, green flashes may be observed on the display.
- Miracast cannot be used in Infrastructure mode with Login Code Disabled.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.

- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.

1.5004.0007

Date: 2021-12-01

Item	Value
File name	am3xxx_1.5004.0007.puf

New Features

- Added support for Crestron Fusion.
- "Show Broadcast Message on Touchscreen", "Emergency Message Timeout" and "Non-Emergency Message Timeout" settings have been added to Touch Panel Settings.

Fixed Issues

- Fixed issue causing the status tab to incorrectly show "The System is Currently offline" after a firmware upgrade.

Known Issues

- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Group cannot be changed for existing user accounts. Remove and re-add the user or use text console to assign a new group to an existing user.

- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an "Invalid Port" error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, "Poll Interval" settings will override "Day and Time". Leave "Poll Interval" blank in order to utilize "Day and Time" configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to "Auto". Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an "Authenticating…please wait" message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has "Forced HTTPS Landing Page" enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating "The operation couldn't be completed" may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust "Site Settings" to allow "insecure content"
    - Edge: Adjust "Site permissions" to allow "insecure content"
- Canvas session control not supported in Windows 7.

- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5003.0007

Date: 2021-11-18

Item	Value
File name	am3xxx_1.5003.0007.puf

Fixed Issues

- Fixed issue causing Digital Signage joins to not function.
- Fixed issue causing signage content to freeze on screen after running for an extended period of time.
- Fixed issue causing AirMedia sender application to fail to connect after recovery from a network outage when a static IP is configured.

Known Issues

- When connecting to a projector, it is not recommended to use the Crestron CEC Controlled Display driver. Either the Non-Controlled Display driver or a projector specific driver should be used instead.
- If the Auto Update manifest URL is configured using toolbox, the updated URL will not be reflected correctly in the web configuration interface.
- If the AM3100/3200 is power cycled immediately after making configuration changes, the changed values may revert to their default state.
- Group cannot be changed for existing user accounts. Remove and re-add the user or use text console to assign a new group to an existing user.
- Currently logged in admin user can delete the admin account. Deleted accounts can be added through text console.
- The Name/SSID field may become grayed out a short time after enabling Wireless Access Point Mode. Toggle Wireless Access Point Mode again to allow editing Name/SSID.
- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.

- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.

- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5002.0022

Date: 2021-11-04

Item	Value
File name	am3xxx_1.5002.0022.puf

Fixed Issues

- Fixed issue causing instability after running 1080p video content in Appspace for an extended time.
- Fixed issue causing a “Failed to connect” error when using AirPlay on iOS. Fixed intermittent HDMI output instability.
- Fixed issue causing previews to not display properly when editing URL for custom background or logo.

Known Issues

- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.

- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.

- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5001.0034

Date: 2021-10-18

Item	Value
File name	am3xxx_1.5001.0034.puf

Fixed Issues

- Fixed issue that would cause AM3100/3200 to not receive an IP address in certain network configurations.

Known Issues

- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When editing the custom logo/background URL, it is recommended to delete and re-add the entire URL. Editing an existing URL may result in the preview image not displaying properly.
- When switching to a new CCD driver, an "Invalid Port" error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, "Poll Interval" settings will override "Day and Time". Leave "Poll Interval" blank in order to utilize "Day and Time" configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to "Auto". Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an "Authenticating…please wait" message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has "Forced HTTPS Landing Page" enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.
- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating "The operation couldn't be completed" may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust "Site Settings" to allow "insecure content"
    - Edge: Adjust "Site permissions" to allow "insecure content"
- Canvas session control not supported in Windows 7.

- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC's with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from 'Dual Band IEEE 802.11 a/b/g' to '5GHz 802.11a' to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- When using AirPlay on iOS, a "Failed to connect" error may be occasionally seen. Re-connect, or power cycle the iPhone and reconnect to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When "Power Mode" is set to "Business Hours + Occupancy" the options "Occupancy Power On" and "Occupancy Power Off" are inaccessible. Switch mode to "Occupancy Based" to toggle these settings, then return to "Business Hours + Occupancy".
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with "extended display", the extended display may lose signal when starting a Miracast presentation.

    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.
- Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.5001.0031

Date: 2021-10-12

Item	Value
File name	am3xxx_1.5001.0031.puf

New Features

- Early Preview Appspace integration for digital signage.

Fixed Issues

- Fixed issue causing remotely hosted custom logos to not automatically refresh based on the specified refresh interval.
- Fixed issue causing static to be heard on the HDMI input audio when using the HDMI input and Airplay in Canvas mode.

Known Issues

- After disabling Calendaring services, the Web UI may continue to show the registration status. Enable and re-configure the calendar to clear.
- When editing the custom logo/background URL, it is recommended to delete and re-add the entire URL. Editing an existing URL may result in the preview image not displaying properly.
- When switching to a new CCD driver, an “Invalid Port” error may be shown. Temporarily select a different driver to recover normal operation.
- If special characters are used for custom names, Presentation controls and status may not display properly on connected touch panels.
- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.

- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- When using AirPlay on iOS, a “Failed to connect” error may be occasionally seen. Re-connect, or power cycle the iPhone and reconnect to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.
- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.

- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

Audio and Video drops may be seen in AirMedia and Miracast presentations when using a long (100m) unshielded network cable. Using a shielded cable is recommended.

1.4998.00062

Date: 2021-09-21

Item	Value
File name	am3xxx_1.4998.00062.puf

Known Issues

- Multi-channel audio input is distorted when passed through the AM-3200 HDMI input.
- Uploaded background and logo image filenames may not contain the following characters: & or $ or ; or # or `.
- Custom Logo and Background image uploads do not support GIF or SVG formats. JPG and PNG are recommended.
- Touch panel may fail to connect after performing a restore on the AM-3100/3200. Reboot the touch panel to reconnect.
- When configuring firmware Auto-update, “Poll Interval” settings will override “Day and Time”. Leave “Poll Interval” blank in order to utilize “Day and Time” configuration.
- AM-3200 may output static when connected to certain Sharp Displays (LE601) when output resolution is set to “Auto”. Manually select a valid resolution for the display device to recover.
- When changing Flex mode from Disabled to Enabled, a reboot of the device is recommended.
- Blocking Cookies in Web Browsers (Mozilla, Chrome, Safari) may result in an “Authenticating…please wait” message when logging into the AM-3100/3200 Admin page. Turn this setting off in the browser to work-around this.
- When AM-3200 has “Forced HTTPS Landing Page” enabled, Safari Browser may not show the pop-up to auto launch the installed AirMedia client. Use a different browser, or manually open the installed AirMedia client.

- Chrome browser on Mac OS does not support Apple Airplay video push. It is recommended to use Safari for Apple Airplay video push.
- When launching the macOS client from the AirMedia landing page using Safari an error message stating “The operation couldn’t be completed” may be displayed. Download the AirMedia application prior to launching the client.
- macOS users may see a notice stating that the AirMedia application is not the latest. Manually install the most recent AirMedia application to dismiss this message.
- After stopping a PowerPoint presentation from the iOS AirMedia application, there may be some delay before the output display is updated. Tap the iPhone screen after stopping the presentation to update immediately.
- Remote images stored on non-secure HTTP locations cannot be previewed with default browser security settings.
    - Browser security settings can be adjusted to allow non-secure images to be displayed.
    - Chrome: Adjust “Site Settings” to allow “insecure content”
    - Edge: Adjust “Site permissions” to allow “insecure content”
- Canvas session control not supported in Windows 7.
- Muted HDMI or AirMedia presentation audio may be heard for a few seconds if presentation is disconnected before stopping.
- Resuming a docked and muted HDMI source will unmute the audio.
- Samsung commercial displays support CEC power off control on HDMI 1 inputs only. Use of the CEC driver will automatically change the display to HDMI 1 or reboot or power cycle. It is recommended to use the Samsung Crestron Connected Driver instead of CEC.
- On PC’s with Intel AC 9560 MHz Wireless adapters, AirMedia Discovery may fail on the 5GhZ band with WiFi Direct enabled. Change the 802.11a/b/g Wireless Mode from ‘Dual Band IEEE 802.11 a/b/g’ to ‘5GHz 802.11a’ to enable discovery.
- It is not recommended to change output resolution during an active Presentation. Output resolution changes may not be saved if the device is power cycled within 10 minutes of making a change.
- When running the AirMedia application on a mobile device, it is recommended to leave the Application in the foreground and never allow the devices to sleep.
- On some occasions, AirMedia presentations started from Android devices may fail to connect. Start the presentation again to recover.
- When using AirPlay on iOS, a “Failed to connect” error may be occasionally seen. Re-connect, or power cycle the iPhone and reconnect to recover.
- Apple iPhones may display a "Device is rebooting or Connection error has occurred with the Device" message on the screen while connecting to the admin login page or in the WIFI captive portal.
- The Windows AirMedia application may fail to discover AM-3K devices. Connect using device IP address or reboot the windows PC.
- In Canvas mode, when using the HDMI input and Airplay, static may be heard on the HDMI input audio.
- Green flashes may be observed when connecting a MacBook Pro to AM-3200 HDMI input using Apple USB C Multi-head Adapter (model A2119).
- AM-3100/3200 devices will not set forced output resolution if the display does not support the specified resolution, resulting in incorrect resolution feedback.

- When “Power Mode” is set to “Business Hours + Occupancy” the options “Occupancy Power On” and “Occupancy Power Off” are inaccessible. Switch mode to “Occupancy Based” to toggle these settings, then return to “Business Hours + Occupancy”.
- With Flex Mode enabled, Apple M1 laptops may fail to start the presentation after a reboot of the AM-3200. Remove and reinsert the HDMI adapter on the laptop to recover.
- When using a language other than English, the Front of the Room content may not be translated or aligned properly, and touch panels may not update correctly. It is recommended to use English language only in this release.
- Presenting from certain client devices may exhibit inconsistencies around motion video and text readability. Setting output resolution to 4K@30 may improve the presentation experience.
- Touch panel proximity detection on TSW-x70 may fail to wake the touch panel. Users must physically touch the panel to wake the screen.
- Disabling both custom background and logo may result in an "update failed" error. Enable and disable background image only to recover.
- Remotely hosted custom logos may not automatically refresh based on the specified refresh interval. Manually load a new image to update.
- The following issues have been observed with Miracast connections
    - Miracast may be problematic on Windows Version 1909. Please use the latest version.
    - Pixilation of the Miracast screen content may be observed while presenting with the WiFi direct band connected to the 2.4GHz frequency band.
    - When presenting from a laptop configured with “extended display”, the extended display may lose signal when starting a Miracast presentation.
    - Higher than normal latency can be seen at times with Miracast WiFi Direct mode.

Licensing and Copyright Information

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource