RELEASE NOTES

Crestron Home

3.011.0070

Crestron Home

This firmware is for the Crestron Home™ CP4-R.

Notes and Recommendations

DM-NAX – Best Practices

To ensure a successful upgrade when using any previous version of Crestron Home with multiple NAX units, follow these tips:

Note: if it's a newly deployed NAX system with Crestron Home 3.8, or there is only 1 NAX in the system, then there is no need to follow these steps.

1. Ensure all NAX devices are online with Crestron Home
2. Ensure all NAX devices have the same set of profiles, and providers, in the same order
3. Upgrade the NAX firmware on all devices
4. Upgrade to Crestron Home 3.8

   Once the system is done upgrading, users can continue to use their system on Crestron Home 3.8 without any additional setup. Profiles and providers are then automatically synchronized across NAX units by Crestron Home.

   Note: Any subsequent NAX should be restored and updated to the latest after step 4.

Sonos – Best Practices

To ensure a successful integration with Sonos, follow these tips:

- Set up your Sonos device and assign it a room name in the Sonos app first.
- A Sonos device can use a wired or wireless connection. However, after installation this setting cannot be changed. Changing the setting at runtime can cause problems for controlling the Sonos unit.
  - If the wireless network is setup for the Sonos system, connecting or disconnecting the LAN cable will make the Sonos unit switch between the wired and wireless network.
- Do not create a room name longer than 12 characters for the Sonos device in the Sonos App. This room name will be used for the device name in Pyng which has a limit of 12 characters.

- The line-out level for a Sonos Connect needs to be configured as fixed. Volume control is handled by the Crestron amp.
    - The Sonos app will display “Fixed Volume” instead of the volume bar with volume controls for all Connects used in Pyng.
- Multiple Sonos systems cannot be placed on the same network. Each Sonos system has a system ID and Pyng will only discover Sonos units that are part of the last discovered Sonos system (Last system ID wins)
    - This can lead to behavior where Pyng sometimes discovers units from the first Sonos system or it discovers only the second system (depends on the last received system ID) but never both.

System Requirements and Dependencies

- See the Maximum System sizes here: https://docs.crestron.com/en-us/8525/Content/CP4R/System-Design.htm
- When integrating with other 3-Series processors and separate touch screens, use Smart Graphics v2.13.05, or later.
- To learn IR drivers, use Crestron Toolbox 3.03.332.00, or later.

Operational Installation/Upgrade Instructions

Press “Check for Updates” in the Installer Settings, then follow the instructions.

Alternatively, you can update manually using the Package Update Tool in Toolbox.

Known Issues

- When using any of the DM card-cage products, you must roll the DM firmware back to 3.02.18 to be compatible with Crestron Home.
- When changing com ports on a working security system to a new com port, if you see the security system drop offline after a few minutes, a 1-time reboot of the processor may be required to establish the COM connection permanently.

Version History

3.011.0070 01-25-2022

Cp4-r_3.011.0070.puf
Uses Crestron Drivers SDK 12.0.9.0

Changes since Last Version

New Features

- Adds support for power controller (PC-350V-18 and PC-350V-12)

- Adds support for Device Health dashboard
- Adds support for Basalte Auro Crestron Connected Motion Detector
- Adds support for the DM-NVX-D200
- iOS and Android Apps
    - Adds support for multiple languages
    - Home Chooser List - iOS and Android
- Adds support for Lutron RadioRA3

Bug Fixes and Behavior Changes

- Corrects rare exception that could occur when loading Source Routes that included an uncontrolled amplifier
- Corrects issue where in some cases a multi-zone AVR could be added to the system as a single zone AVR
- Corrects issue where “Circulate” option would not be displayed on the UI for the DIN-THSTAT
- Corrects potential issue where source could be muted after returning from audio breakaway when using the DM-NVX-D30 decoder
- Corrects minor DM-NAX related issue where output name in the NAX web settings page could be set incorrectly when attaching uncontrolled amps to an NAX output
- Corrects issue where default device folder was not being created on serial platform drivers only

3.010.0098 12-13-2021

Cp4-r_3.010.0098.puf
Uses Crestron Drivers SDK 12.0.7.0

Changes since Last Version

New Features

- Adds support for Lighting Scene editing in the Crestron Home app
- Adds support for Basalte Fibonacci
- Adds support for Secure Remote Access
- Adds support for NAX Airplay
- Adds support for Crestron battery-powered shades (CS-SHADE-ROLLER-BATT)
- Adds support for the Crestron CEN-GW1

Bug Fixes and Behavior Changes

- Corrects issue with Crestron Home Setup checkboxes in some Extension drivers not updating their values on the UI
- Adds extra protection to attempt reconnections if communication is lost with DIN-DALI
- Fixes issue where on the MC4-R, in rare cases after updating the processor firmware EX devices may become unacquired
- Fixes issue where some drivers could send too much data to the logs

- Fixes potential issue where after a reboot the two loads on a CLW-DIMSWEX could track each other
- Protects against rare occurrence where the NAX playing progress bar could get out of sync with the UI
- Protects against a case where a DM-CPU could go offline after a processor reboot
- Corrects issue where customer user drivers were not persisting boolean values
- Protects against potential reboot loop after adding the KNX Extension driver
- Corrects NAX Podcast issue that was specific to using Sequences to start a Podcasts in multiple rooms
- Corrects source routes issue where if a TV was connected first, then the NAX speaker outputs, the default audio endpoint was not set to the NAX speaker outputs

3.009.00107 10-24-2021

Cp4-r_3.009.00107.puf
Uses Crestron Drivers SDK 11.0.15.0

Changes since Last Version

New Features

- Adds support for DM-NAX-16AIN
- Adds support for importing Cresnet to Ethernet bridges from Crestron Home Configurator
- Adds support for importing Ceiling Fan keypad actions from Crestron Home Configurator
- Adds support on TSW, iOS, and Android to show Pools on the Home screen

Bug Fixes and Behavior Changes

- Adds support for DSC Power Series Neo security systems
- Fixes a potential exception that could occur when calling UpdatePairedDevice on platform drivers
- Fixes a potential exception that could occur unloading platform drivers
- Will now display the serial number of devices, if entered via the Crestron Home Configurator
- Corrects issue where in some rare cases EX devices could be unacquired from the MC4-R after a firmware upgrade in some cases
- Corrects issue observed on Satel security systems related to the friendly names not updating automatically on the user interface
- Corrects issue where NVX E10/E20/D10/D20 are not displaying on the device firmware page
- Corrects issue where profiles may not update in the Crestron Home UI after making changes at the DM-NAX webpage
- Corrects potential lockup caused by underlying cresnet issue. If seeing, “Timed out while waiting for cresnet driver to indicate operation done” in the console, this version recovers from those situations.
- Corrects potential issue that can cause the UI to no longer display mode, setpoint, or schedule, on cresnet thermostats after a power loss, or cresnet loss
- Corrects issue where Autonomic devices were not paused after an audio zone is powered off
- Adds support for Keypad Control Station data if pre-configured via Crestron Home

- Adds protection for a potential lockup that could occur if a Texecom Premier Elite 48 security system was in the system
- Adds protection from certain invalid drivers that could stop the system from starting
- Corrects issue where treble was not adjustable from AV Switchers
- Corrects potential scenario where HZ-THSTAT could switch from cool and off modes when adding the device to a system
- Adds optimizations to the Source Routes step that are more visible in larger systems
- On NAX systems allows the startup volume to be set higher than 50%
- Corrects issue where duplicate cresnet devices could be shown in the discovered device list when C2N-AMP-4x100, C2N-IO, GLS-SIM, CNX-PAD8A, CNX-BIPAD8, CNAMPX-12x60, CNAMPX-16x60, or CNX-PAD8As are in the system
- Protects against potential lockup while controlling lights, or shades, during scene setup
- Corrects issue where an EX device may display on the wrong gateway after doing a device replace
- Adds self-healing to recover if a DIN-DALI stops communicating with the processor
- Allows side-loading of drivers even if the driver version on the portal is newer
- Adds DM-NAX support for fast forward and rewind on Podcasts

3.008.00079 09-08-2021

Cp4-r_3.008.0079.puf
Uses Crestron Drivers SDK 10.0.10.0

Changes since Last Version

New Features

- Adds support for DM NAX to be able to recall specific favorites from Media Scenes.
- Adds option for Media Scenes to be able to create a group.
- Adds support for DM NAX account syncing so that all accounts will automatically synchronize across all DM NAX units in an install.
- Adds support for DM-NVX-E20 & DM-NVX-D20
- Adds support for DM-NVX-E10 & DM-NVX-D10

Bug Fixes and Behavior Changes

- Corrects issue related BACnet current temperature updates not occurring in real-time.
- Corrects issue where Black Nova keypads were not being resent the active and inactive LED colors after a processor restart.
- Adds support to set the scale on the HVAC gauge to have it display better when using Celsius.
- Adds support to BACnet thermostats for showing half degrees when using Celsius.
- Adds support for an option to hide the fan controls on the climate UI.
- Corrects issue where CSM-QMTDC-250-4 was not displaying speed settings.
- Corrects issue where incorrect version number parsing would lead to some drivers not displaying.
- Corrects issue related to reordering display commands.
- Corrects issue related to Alexa feedback related to shade groups.

- Corrects issue related to media routing where some sources may not be displayed when and AVR is between 2 NVX devices.
- Corrects issue related to media routing where an audio only source, connected to a TV, would not complete the route.
- Adds support to set the security system exit delay timeout.
- Corrects issue where AV Switcher drivers were not responding correctly to power commands.

3.007.0166 07-07-2021 (3.7 Service Pack 1)

Cp4-r_3.007.0166.puf
Uses Crestron Drivers SDK 9.0.11.0

Changes since Last Version

New Features

- Adds additional support for the DM-NAX-8ZSA.
    - Adds basic support for Media Scenes down to the provider level.
    - Adds support for SiriusXM.

Bug Fixes and Behavior Changes

- Adds UI improvements related to showing a busy indicator while music browse lists load.
- Corrects issue where Podcasts may not correctly show the progress bar.
- Corrects media routing issue related to the HD-MD-4x4 audio outputs.
- Corrects issue where in some cases the audio endpoints were not saved across reboots.
- Corrects case where DM-NAX system could cause the audio tile to be missing if providers were preconfigured on the DM-NAX.
- Adds additional recovery mechanisms to reconnect to the DM-NAX.
- Corrects issue related to adjoining room auto-selection of sources when using different providers.
- Adds additional self-healing process to watch for a lockup then recover automatically.

3.007.0071 06-10-2021

Cp4-r_3.007.0071.puf
Uses Crestron Drivers SDK 8.0.8.0

Changes since Last Version

New Features

- Adds initial support for the DM-NAX-8ZSA.
    - See the Crestron Home manual for details.
    - Adds supports for standard source routing, volume, and tone control.

    - Adds support for Bussing and Bridging (Except 2.1 configurations. That will be added in a future release).
    - Adds support for Interrupts (playing chimes), including Do Not Disturb.
    - Adds support for the first few streaming services (Pandora, Internet Radio, Podcast).
    - Adds support to stream stereo audio from NVX encoders to NAX.

Bug Fixes and Behavior Changes

- Adds Scene, Quick Action, Button Emulation, and External Function mode to the Media Zone Sleep event.
- Adds Scene, Quick Action, Media Function, Button Emulation, and External Function modes to Extension events.
- Corrects issue where Crestron Home Extension events are not being triggered properly when events pass through other extensions.
- Prevents a scenario where the system could slow down over time.
- Corrects issue where source audio will not change when switching the video source for mirrored displays.
- Corrects Crestron Home Setup issue where the UI will freeze after pressing on the 'Web Settings' option under system control options.
- Corrects Crestron Home Setup issue shows that the Sonnex line output is always powered off, even when the room is active.
- Corrects potential issue where a switching command could be sent twice on AVR scenarios where the audio is routed back to the AVR from the TV.
- Corrects potential issue on Honeywell 128bpt security systems where the exit delay interrupt message could be shown multiple times.

3.006.0132 05-06-2021

Cp4-r_3.006.0132.puf

Changes since Last Version

New Features

- Adds support Crestron Home Configurator redeploy.
    - This allows you to continue to make Crestron Home Configuration changes after adding AV and other customizations from the Crestron Home Setup app. Use a new deploy code again to get the lighting changes from the Crestron Home Configurator, without losing any non-lighting customizations. See the Crestron Home manual for details.
- Adds support for the Crestron Horizon thermostat.
- Adds support for 3rd party device diagnostics. See the, "Enable Logging" checkbox in the Advanced tab from the device's gear menu. Once turned on you can see additional details on the Diagnostics page.
- Adds improved Alexa voice support for shades.
- Adds support to show help files for drivers.
- Adds Sequence support to Crestron Home platform drivers that contain multiple types.
- Adds support for Visualint VIM-7000 preview and PTZ.

- Adds support for Crestron Drivers SDK 8.0.8.0

Bug Fixes and Behavior Changes

- Improves robustness related to loading of config files.
- Corrects issue where interrupts attached to security events could trigger on a reboot.
- Prevents a scenario where the Security System tile could be removed when a room was removed.
- Protects against a case where a Platform driver was preventing other devices from loading.
- Corrects issue related to CHV-TSTAT where the fan options could be missing at runtime.
- Corrects TV overflow related issue where some overflow commands were displayed but did not function.
- Corrects issue related to HR-310 where depending on how long the button was held, in some cases, the actions were not triggering.
- Corrects BACnet related issue related to Slab State was not displaying the correct object types.
- Corrects potential issue where Jandy iAquaLink could show a setpoint of 255.
- Adds support for, “Time of Day Actions” on security system events.
- Adds protection so an exception will not occur when powering on a room via source selection in the Crestron Home Setup app.

3.005.0074 03-30-2021

Cp4-r_3.005.0074.puf

Changes since Last Version

New Features

- Adds support for Black Nova backlight configuration
- Adds support for Rhombus Cresnet Connected keypads
- Adds support for the DM-NVX-E760 / DM-NVX-E760C
    - Below is the list of supported DM and DM Lite transmitters:
    - Standard Transmitters:
        - DM-TX-201-C
        - DM-TX-401-C
        - DM-TX-4KZ-202-C
        - DM-TX-4KZ-302-C (known issue: for this model only, you may need to refresh multiple times if the 302 is not discovered).
        - DM-TX-4K-100-C-1G
        - DM-TX-4KZ-100-C-1G
    - DM Lite Transmitters:
        - HD-TX-101-C-1G-E
        - HD-TXC-101-C-1G-E
        - HD-TX-101-C-E
        - HD-TXC-101-C-E

- Removes the run-time pages from the Crestron Home Setup application. The advanced user pages are still available, and when the admin name and password is entered it goes directly into the Configuration pages, instead of launching the control pages.
- Adds Crestron Home Extension color radial gauge object support.
- Grouping improvements – While in a group, if a room attempts to select a video source that room will be removed from the group and that video source will be selected in that room.
- Adds support for Crestron Drivers SDK 7.0.0.12

Bug Fixes and Behavior Changes

- Improves reconnection logic for 3rd party drivers where only some devices are not reliably reconnecting after a processor restart.
- Corrects issue where 3rd party driver User Attributes are not set if the value is empty text.
- Corrects issue where the period button is not displayed in the overflow menu.
- Corrects issue where after a processor restart, if interrupts are tied to Security Arm and Disarm events, the interrupt tone would be played.
- Corrects issue where not all DALI controlled lights would turn back on after a system upgrade.
- Updated Sonos related text to include the latest Sonos model names.
- Corrects issue related to BACnet where the wrong setpoint range is displayed in Climate Scenes or Climate schedules.
- Corrects issue where the “Learn Layout” is not operations for the CLW-DIMSWEX.
- Corrected an issue with CLW-DIMSWEX switch feedback.
- Corrects issue where if changing the User Interface Device port number, then attempting to change it back to port 50001 it would fail to connect.
- Corrects issue where C2N-IO or GLS-SIM could not be added to new systems.
- Expands the number of visible events for Crestron Home Extensions from 20 to 300.
- Resolves BACnet subscription/feedback issues.
- Corrects issue where security system function labels could display as blank.
- Corrected an issue with Sonos Play continuously playing after power off the room when a sonos group is cleared.
- Corrects an issue in the keypad programming UI where specific actions can cause the Scene lists to jump back to the room list.
- Corrects an issue with Horizon keypad - Custom Color Theme sequence item is missing the color chooser boxes.
- Adds support for adding the DM switchers that have firmware with authentication enabled by default.

3.004.0112 03-12-2021 (3.4 Service Pack 2)

cp4-r_3.004.0112.puf

Changes since Last Version

Bug Fixes and Behavior Changes

- Corrects instance where 'Limited Control' message could be shown when selecting Sonos on the local network
- Corrects rare issue where a network error could cause Sonos control to lockup

3.004.0077 03-01-2021 (3.4 Service Pack 1)

Cp4-r_3.004.0077.puf

Changes since Last Version

Bug Fixes and Behavior Changes

- Adds self-healing process to watch for low memory threshold then recover automatically

3.004.0071 02-16-2021

Cp4-r_3.004.0071.puf

Changes since Last Version

Critical Fixes

- Increased resilience to protect against potential system lockups
- Corrects scenario where after upgrades, in some cases, the Crestron Home touchscreens and apps would not connect until the User Interface account was updated

New Features

- Adds support for built-in TV tuners
- Adds support for digital inputs to be used as buttons
- Adds support for random delays between steps in Sequences
- Adds support so that Quick Actions can be recalled via the scheduler
- Adds support for "Media Zone Sleep" event on the Media Zone

    - Use this to trigger custom actions such as turning of the lights when the sleep timer has expired.
- Adds support to Crestron Home Extensions and Sequences so that events can be fired from an Extension and reacted to by a Sequence.
- Adds support for showing Crestron swirls next to all drivers that were tested by Crestron
- Improves the speed of downloading and installing firmware
    - The older Smart Graphics UIs have now been removed from the Crestron Home processor firmware
- Adds support for CHV-TSTAT-FCU
- Adds support for choosing custom curve types for the following lighting devices:
    - CLX-1DIMU4, CLX-1DIMU4-HP, CLX-2DIMU8, CLX-2DIMU8-277, CLXI-2DIMU8, CLW-DIMUEX-P, CLW-DIMFLVEX-P, HZ-DIMEX, HZ-DIMFLEX, HZ-DIMUEX, and DIN-2LEDPWM8
- Diagnostics – Adds additional logging for 3rd party driver troubleshooting

Bug Fixes and Behavior Changes

- (see Critical Fixes section above)
- Includes support for Driver SDK 5.0.0.20.
- Corrects Media Scene feedback when tied to a keypad button
- Corrects issue with the C2N-CBD keypad where the 'auto-brightness' property was not correctly set
- Corrects exception that could occur when importing Lutron buttons that contain conditionals
- Resolves a case where CLX-2DIMU8 feedback could get out of sync with the processor
- Corrects issue with the REST API where the devices list was not being returned
- Corrects an issue with OS2 to OS3 upgrade where a PYNG-CONNECT-COM could be removed from the configuration
- Improved BACnet communication robustness

3.003.0035 11-05-2020

Cp4-r_3.003.0035.puf

Changes since Last Version

New Features

- Adds support for Crestron Home Extensions hooking into Sequences
- Adds support for AV Switcher drivers that can be pulled from the cloud, or side-loaded
- Adds support for 4KZ Switchers:
    - HD-MD4X1-4KZ-E
    - HD-MD4X2-4KZ-E
    - HD-MD4X4-4KZ-E
    - HD-MD8X4-4KZ-E
    - HD-MD8X8-4KZ-E
- Adds support for 4K Switchers:
    - HD-MD4X1-4K-E
    - HD-MD4X2-4K-E
    - HD-MD6X2-4K-E

- Adds support for Crestron Home Setup applications for the PC and Mac
- Adds support for Lutron individual lighting load and shade motor control (RadioRA2, QS, and QSX)

Bug Fixes and Behavior Changes

- Corrects exception that could occur when importing Lutron buttons that contain conditionals
- Corrects issue where in some cases processor went back to “Welcome to Crestron Home” screen
- Corrects Texecom Security driver where functions were off by 1
- Corrects issue where lighting feedback could be out of sync with the DIN-2LEDPWM8
- Corrects button model issue where a double-tap on a lighting load was not executing a cut
- Corrects issue with multi-tap global timeout settings going back to 0 after a reboot
- Protects against an issue where international drivers with international characters were causing 3rd party drivers to fail to load
- Corrects a case where volume control reports inconsistently depending on the media path through the system
- Corrects issue where Interlogix Networx NX-8E connected with Networx NX-587E RS-232 interface was triggering Away when armed to Stay
- Corrects issue where shades and Quick Action were not controlling multiple relays
- Corrects issue where in some cases a display could turn on when connecting AVR output to display input

3.002.0036 10-09-2020

Cp4-r_3.002.0036.puf

Changes since Last Version

Bug Fixes and Behavior Changes

- Compensates for Sonos 12.1 change where the favorites list structure has changed. To the user, they will see a blank browse list if they have more than 13 favorites when using Sonos 12.1 and Crestron Home prior to 3.002.000036.

3.002.0031 09-30-2020

Cp4-r_3.002.0031.puf

Changes since Last Version

New Features

- Adds support for Crestron Home Extensions
  - Allows drivers to be created that also include a custom UI
  - Details for developers available here: developer.crestron.com
- Adds support for security systems drivers that can be pulled from the cloud, or side-loaded. Depending on the specific security system model, features include:

    - Improved end-user experience with redesigned security pages
    - Audible touchscreen chimes, and flipping to the security page automatically
    - Using the security features on your mobile device, allows PIN code entry to be done by the Crestron Home system on the user's behalf
- Adds support for new NVX products:
    - DM-NVX-360
    - DM-NVX-363
    - DM-NVX-360C
    - DM-NVX-363C
- Adds support for Crestron Connected Keypads. See the "Work with Crestron Home" document for a list of models.
    - Basalte
    - Vitrea
    - Eutech
    - Black Nova

Bug Fixes and Behavior Changes

- Adds additional protection against a potential lockup that could occur that would block Crestron Home Apps, or TSWs, from connecting
- Corrects issue where in some cases audio routing does not complete when selecting a video source
- Corrects issue with no Feedback from Honeywell Vista 128 FBPT using the 4232CBM RS-232 interface
- Corrects issue with MyCrestron DNS password change accepting mismatching passwords
- Protects against an MC4-R showing no configuration and flips back to the "Welcome to Crestron Home" page
- Improved robustness when multiple TSR-310s are connecting and disconnecting quickly
- Corrects a case where users were unable to edit thermostat off on a BACnet object
- Corrects issue where Lutron QSX momentary button press is not sending the feedback LED state

3.001.0056 09-09-2020

Cp4-r_3.001.0056.puf

Changes since Last Version

New Features

- Adds support for multiple displays per room
- Adds additional features to Sequences:
    - Call Quick Actions from a Sequence
    - Trigger relay devices from a Sequence
    - Enable/Disable Scheduled events from a Sequence
    - Send a command to change Horizon backlight color from a Sequence
    - Route sources to individual display in a room from a Sequence
- Adds support for Lutron button emulation

    - Press any button on a Lutron keypad, not just a lighting or shade scene
        - Known issue: This feature is not available for QSX when using Palladium, or Phantom, keypads until a future Lutron Designer software update. Crestron Home will not need to be updated.
    - Press/Hold/Double-Tap/Release Lutron keypad button
    - The led feedback shown on the Lutron buttons will be reflected on the Crestron buttons
- TSWs - Added support for Dark Mode

Bug Fixes and Behavior Changes

- Adds additional protection against a potential lockup that could occur that would block Crestron Home Apps, or TSWs, from connecting
- Corrects issue where a Select button press on HR remotes could send a command twice
- Changed the default fade time to 1 second for custom lighting scenes
- Corrects issue where MyCrestron DNS registration fails when using certain characters in the password
- Disabled the ability to add a Smart Graphics TSR-310 using the Pair Devices page
- Corrects issue where some aspect ratio commands do not work for Display Settings
- Crestron Home Advanced User password can no longer be changed without entering admin password
- Improved the Diagnostics logs to include additional information about the commands sent to the devices and about button presses

3.000.0548 07-20-2020

Cp4-r_3.000.0548.puf

Changes since Last Version

New Features

- Adds support for Sequences
    - To use Sequences, create Quick Action, then under “Mode” choose, “Sequence”
- Adds support for Display Commands
    - To configure go to the TV or Projector and tap the gear icon, then see the “Accessories” and “Commands” tabs
- Adds support for CNAMPX-16x60
- Adds support for CNAMPX-12x60
- Adds support for Multi-zone AVR dynamic drivers

Bug Fixes and Behavior Changes

- Makes swapping out drivers much easier. Drivers can now be removed when a new driver version is available, without a reboot required.
- Adds protection against a potential lockup that could occur that would block user interfaces from connecting

- Corrects issue where on a reboot serial data could loop through from RX to TX while initializing the built-in COM ports on the CP4-R/MC4-R
- Corrects issue where Cresnet device list was restricted to 200 items
- Corrects issue where 2nd button labels on C2NI keypads could not be set
- Corrects issue with DIN-2MC2 intermittent shade direction control issues
- Corrects issue related to HZ-DIMUEX feedback, only when set to switched mode
- Increased the list of digital inputs from 100 to 250
- Corrects issue with the system-wide setting that would cause the double-tap time to not correctly be saved
- Changed Pool “On” indicator behavior to display when any of the pool parts are on
- Corrects handheld remote mapping for devices like TiVo so that the EXIT button will first attempt to connect to the back command to go back a level in the menu
- Adds a message on adding DM or Sonnex devices indicating that all devices should first be connected to those devices before adding it to the system

3.000.0428 06-02-2020

Cp4-r_3.000.0428.puf

Changes since Last Version

New Features

- Adds support for multi-press button model

Bug Fixes and Behavior Changes

- Changed behavior so that if a DALI fixture reports offline, Crestron Home will still attempt to control it
- Adds protection against a potential memory leak related to touch screens running Smart Graphics, or TSR-310 on v1 versions of firmware

3.000.0419 05-18-2020

Cp4-r_3.000.0419.puf

Changes since Last Version

New Features

- Adds Lutron QS processor for HomeWorks
- Adds Lutron QSX processor for HomeWorks and RadioRA2
- Includes support for audio interrupts and playing sound files from touchscreens
- Adds the ability to hide individual services
- Adds support for DIN-DALI-2. Start by commissioning via the Toolbox DALI Commissioning Tool. Then discover via Crestron Home.
- Adds support for CNX-PAD8A and CNX-BIPAD8
- Adds support for CLW-DIMUEX
- Removes the 25 limit on Media Scenes. Increases the limit to 200.
- Adds bussing to C2N-AMP-6X100 and C2N-AMP-4X100
- Includes pan, tilt, and zoom support for streaming cameras
- Includes additional button models: press-and-hold, and ceiling fan button models

Bug Fixes and Behavior Changes

- Includes new driver framework to increase reliability and speed of IP drivers. You must re-add the drivers to take advantage of this change.
- Removes the ability to add TSW-x60s via the Crestron Home Setup app since that only displays the OS 2 style UI. Instead, add TSW-x60s to the system from the x60s themselves.
- Corrects issue from March release where digital input changes on DIN-IO8, C2N-CBD, CLWI-KPLCN, and HZ-KPCN were not reflecting in the system
- Fixes issue with, “always keep device on” check box where if the user manually powers off the source, then uses the Power toggle command, when Crestron Home turns on the room, the source would turn off.
- Corrects issue with deploy code imports failing if there are unexpected characters in the phone number field
- Corrects issue with CNX keypads where the backlight could stop working if activating and deactivating the device locator
- Corrects issue with C2NI-CB keyapds where the backlight could not go all the way to zero
- Corrects issue where pressing the mode button on the TSTAT could cause the system to not track the matching feedback
- Corrects issue where only 24 pool parts are displayed even though the Pentair driver has up to 50

3.000.0329 03-20-2020

cp4-r_3.000.0329.puf

Changes since Last Version

New Features

- None

Bug Fixes

- Corrected RS-232 issue where depending on how much data the device was sending the system could be put into a state where the entire system appeared sluggish.
- Added protection against a reboot that could occur on some systems at midnight if the file system was full.

3.000.0328 03-20-2020

Cp4-r_3.000.0328.puf

Changes since Last Version

New Features

- Added the ability to hide rooms per touch screen
- Improved Autonomic performance
- Added the ability for IP devices to show miscellaneous commands in the overflow menu
- Added support for Double-Tap button models on keypads that support it natively
    - Note: Additional button models will be added in future releases.
- Added support for importing engravings from myCrestron Crestron Home Configurator
- Added support for Wi-Fi IO accessory devices CEN-IO-2xx
- Added support for C2N-IO
- Added support for GLS-SIM
- Added option in the Crestron Home Setup app to reboot the processor
- For ISPs that have setup their DNS servers to respond to an ISP IP address for hostnames that are unknown, Crestron Home now has a more robust connection mechanism to connect to TSR-310s in those cases
- Added support for HTT-B10EX button feedback when used in non-battery mode

Bug Fixes

- Added the ability for a driver's custom property to be changed, without being forced to add the device again
- Corrected camera issue where in some cases the config file was not including the external port for the snapshot view

- Corrected Media Routing issue where, in some cases, if there were multiple paths through the system, a route through a different room could be favored over going only through the intended room.
- Increased relay pulse time maximum duration.
- Corrected an issue where changing an IP address of a Smart TV could stop the Crestron Home application.
- Corrected an issue in the Crestron Home Setup app related to setting shade limits.
- Corrected issue where only 24 pool parts displayed in the Crestron Home Setup app (so far only needed for Pentair driver).
- Added the ability for startup times to be lowered below the default startup time
    - For example: if the device is faster than the one that was tested in the lab, you can lower the startup time to react faster. You must still make sure the specific device can respond that quickly before lowering this timeout.

3.000.0249 02-03-2020

Cp4-r_3.000.0249.puf

Changes since Last Version

New Features

- Added support for pool and spa controllers
- Added TSW-x60 password protection for Security, House Access, and Cameras
- Added pulse times for relays
- Autonomic is now visible again (MMS-1E, 2A, 3E, 5A and 5E)
- Added ability to adjust the backlight brightness on Horizon Keypads
- Added support to turn on a media zone with the same source as an adjoining room
    - Configure via the room options under Source Routes
- Added option, per source, to never attempt to turn off the source
- Added support for CEN-ODT-C-POE
- Added support for CLCI-MCEX-W
- Added SSL commissioning support for wired CEN-IO-* devices
- Allow replace for DIN-1TSTAT8 devices

Bug Fixes

- Removed logic that would clear a route, or power off a media zone, when not receiving feedback from a 3rd party driver.
- Fixed BACnet thermostat issue where thermostat mode change could cause the UI to report OFF.
- Corrected issue where firmware updates were not working on the CSA-PWS10S-HUB-ENET.

3.000.0147 01-08-2020

Cp4-r_3.000.0147.puf

Changes since Last Version

Bug Fixes

- Fixed issue where if Sonos and a Smart TV were in the same room, the media subsystem could crash on a reboot (depending on the order that devices were added to the system).

3.000.0142 12-16-2019

Cp4-r_3.000.0142.puf

Changes since Last Version

New Features

- Added support for streaming video cameras
    - ONVIF discovery or use a custom URL for cameras that are not 100% ONVIF compliant
    - See the Crestron Home manual for the list of Crestron tested cameras
- Added support for RA2 Select
    - Remotely press buttons on the Lutron system to recall lighting and shading scenes
    - See the Crestron Home manual for details
- Added Smart TV app icons
- Added support to Media Routing to support DM Transmitters
- Added support for DMC-4KZ-C
- Added support for DMC-4KZ-C-DSP
- Added support for DMC-C
- Added support for DM-TX-4KZ-100-C-1G
- Added support for DM-TX-4K-100-C-1G
- Added support for DM-TX-4KZ-202-C
- Added support for DM-TX-4KZ-302-C
- Added support for DM-TX-4KZ-202-C
- Added support for DM-TX-201-C
- Added support for DM-TX-401-C
- Added support for CLX-2DIMFLV8-277
- Added support for CLX-2DIMU8-277

Bug Fixes

- Fixed issue introduced in 3.000.0117 where BACnet alerts being configured would cause the configuration to fail to load on the next reboot
- Fixed issue introduced in 3.000.0117 where daylighting rooms would cause the configuration to fail to load on the next reboot
- Fixed issue where displays could turn off if not receiving feedback from the driver

Other Notes

- Upgrading from OS 2 to OS 3 will put the CP4-R into secure mode, if it's not already. Make sure you note the serial number of the CP4-R before upgrading.
    - See the instructions in the CP4-R Product Manual for upgrading to OS 3 and for the procedure to add TSW-xx60 touchscreens to OS 3.
    - See the upgrade videos here: https://vimeo.com/showcase/6259874

3.000.0117 11-11-2019

Cp4-r_3.000.0117.puf

Discovered Issue

November 15, 2019

IMPORTANT NOTE: Do NOT use the BACnet Alerts feature in this version (3.000.0117). You can continue to use BACnet, just not the Alerts feature in BACnet thermostats. It can cause the entire system configuration to fail to load on the next reboot. This will be addressed in the next release.

- Workaround: Clear the BACnet Alerts before upgrading to 3.000.0117.

Changes since Last Version

New Features

- Added support for Smart TVs
- Added support for renaming rooms from the iOS Crestron Home app
- Improved UX for House Access, including Garage Doors, Gates, and Door Locks
- Added "Choose Layout" to all Horizon keypads and dimmers
    - Allows keypads to be fully configured before buttons arrive
- Added support for Google Voice
- Added support for DIN-2LEDPWM8
- Added support for DM-MD6x6
- Added support for DM-MD6x4
- Added support for Universal Distribution Amplifiers
- Added support for Horizon EX dimmers
- Added support for CEN-IO-xx products
    - Turn off SSL manually using Toolbox before adding these devices
- Now allows security systems to connect to any COM port
    - PYNG-CONNECT-COM no longer required

Other Notes

- Follow the steps in the TSR-310 release notes to ensure you have the Performance UI loaded and running on the TSR-310s.
- Upgrading from OS 2 to OS 3 will put the CP4-R into secure mode, if it's not already. Make sure you note the serial number of the CP4-R before upgrading.

- See the instructions in the CP4-R Product Manual for upgrading to OS 3 and for the procedure to add TSW-xx60 touchscreens to OS 3.
- See the upgrade videos here: https://vimeo.com/showcase/6259874

3.000.0063 09-01-2019

Cp4-r_3.000.0063.puf

Changes since Last Version

New Features

- Added Crestron Home support
- Added support for iOS App: Crestron Home
- Added support for iOS dealer-facing App: Crestron Home Setup
- Added support for Crestron Home user experience on TSW-xx60 touchscreens
- Added support for BACnet thermostats, including CoolMaster
- Added support for Quick Actions per room

Other Notes

- Follow the steps in the TSR-310 release notes to ensure you have the Performance UI loaded and running on the TSR-310s.
- Upgrading from OS 2 to OS 3 will put the CP4-R into secure mode, if it's not already. Make sure you note the serial number of the CP4-R before upgrading.
    - See the instructions in the CP4-R Product Manual for upgrading to OS 3 and for the procedure to add TSW-xx60 touchscreens to OS 3.
    - See the upgrade videos here: https://vimeo.com/showcase/6259874

2.003.0027 05-10-2019

Cp4-r_2.003.0027.puf

Changes since Last Version

New Features

- Added support for INETS-IOEX-DOOR-BATT Door sensor.

Bug Fixes

- Improved TSR-310 reconnect robustness

2.003.0023 05-31-2019

Cp4-r_2.003.0023.puf

Changes since Last Version

Bug Fixes

- Fixed issue where after a thermostat is first added, it would not be controllable unless the thermostat was rebooted.

2.003.0021 05-20-2019

Cp4-r_2.003.0021.puf

Changes since Last Version

New Features

- Added support for double power off for IR projectors.
- Added support for the HD-XSP.
- Added support for the DIN-1TSTAT8.
- Added support for the importing a CP3-R myCrestron deploy code into a CP4-R.
    - See CP4-R manual for instructions.

Bug Fixes

- Fixed issue where TV presets with repeating numbers could skip a number

2.003.0011 04-01-2019

Cp4-r_2.003.0011.puf

Changes since Last Version

Initial CP4-R release

New Features

- Added support for Media Scenes.
- Removed 10 second timeout that would flip out of the source control page when a route was detected as incompatible.

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