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Product Manual

DM NAX[®]

Intelligent Audio

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All other languages are a translation of the original document.

Regulatory Model: M202439001, M202439002, and M202439003

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DM NAX® Intelligent Audio

The DM NAX Intelligent Audio platform consists of the DM-NAX-AP-100 Intelligent Audio Processor and several audio-over-IP microphone and speaker peripherals. When combined together, DM NAX Intelligent Audio devices operate as echo canceling speakerphone solutions that are certified for use with the Microsoft Teams® conferencing platform.

Refer to [Getting Started on page 25](#) for important information on using your product and this document.

This section provides the following information:

- [Features](#)
- [Applications](#)

Features

This section provides the following information:

- [DM-NAX-AP-100 Features](#)
- [DM-NAX-POD-MIC Features](#)
- [DM-NAX-POD-MIC-SPK Features](#)

DM-NAX-AP-100 Features

The [DM-NAX-AP-100](#) is a DM NAX® Intelligent Audio Processor for unified communications and commercial audio applications.

- Intelligent Audio processor for streamlined setup of conferencing solutions
- Mixes and processes audio from paired microphones, distributes program audio to paired speakers
- Automatically configures up to eight paired devices^{1,2}
- DM NAX® audio-over-IP and AES67 capable
- Provides bidirectional stereo USB audio support to a host computer via a USB-C® connection
- USB Audio Class 2 (UAC2) echo-cancelling speakerphone device
- Dedicated network port to isolate audio-over-IP traffic onto a separate LAN
- Power over Ethernet (PoE) or DC powered via an optional power pack ([PW-2407WU](#), sold separately)



Streamlined Web Interface

The DM-NAX-AP-100 web interface is optimized to most configuration tasks automatically. The DM-NAX-AP-100 configures the settings on paired speakers and microphones¹ to create a unified communications solution without having to manually set up advanced DSP parameters.

The dashboard view provides a comprehensive overview of the status of all paired devices, network information, and any error messages.

DM NAX® Audio-over-IP Capable

The DM-NAX-AP-100 has a dedicated network port for a secondary audio-over-IP LAN to connect to one or more DM NAX Intelligent Audio microphone and/or speaker pods ([DM-NAX-POD-MIC](#) and [DM-NAX-POD-MIC-SPK](#), sold separately). Connected microphones provide an automixed signal to the processor, which continuously analyzes the incoming mixes and automatically selects the best signal from up to eight connected microphone pods.

The Intelligent Audio processor is also interoperable with the [SAROS DM-NAX-IC4A-W](#) PoE in-ceiling speaker (sold separately) via DM NAX audio-over-IP compatibility.

Pairing the DM-NAX-AP-100 with DM NAX audio devices allows for encrypted unicast audio-over-IP streaming. Up to eight audio devices can be paired with a single DM-NAX-AP-100.²

Microsoft Teams® Certified Conferencing Solution

When used together, the DM-NAX-AP-100 Intelligent Audio processor and one or more microphone and speaker pods (DM-NAX-POD-MIC and DM-NAX-POD-MIC-SPK, sold separately) form a Microsoft Teams certified conferencing solution. This configuration allows the Intelligent Audio processor to be selected as the audio interface for a BYOM device running Microsoft Teams.

Sennheiser TeamConnect Ceiling Microphone Integration

The DM-NAX-AP-100 can pair with and control the Sennheiser TeamConnect Ceiling microphone (TCCM) via a secure API.¹ Using AES67 audio-over-IP streaming, connected microphones provide a mix to the Intelligent Audio processor and the processor supplies an AEC reference to the microphone for echo cancellation. The processor continuously analyzes the incoming mixes and automatically selects the best mix from up to four connected ceiling microphones.

In combination with one or more SAROS DM-NAX-IC4A-W PoE in-ceiling speakers (sold separately), these devices also form a Microsoft Teams® certified conferencing solution.

Notes:

1. Third-party devices may require initial setup before the DM-NAX-AP-100 can configure the necessary settings.
2. SAROS IC4P-W passive speakers are not included in the paired device count.

DM-NAX-POD-MIC Features

Key features include:

- A tabletop 12-element array microphone for small to large room conferencing solutions
- Convenient in-call volume and mic mute controls
- LED indicator ring displays operational status
- Built-in automatic gain control and automixing balances each microphone in the internal array to provide optimal signal levels while reducing extraneous noise
- Connects via network to a DM-NAX-AP-100 Intelligent Audio processor, which sends and receives audio to a BYOM computer via a USB-C® connection
- Power over Ethernet (PoE) network powered



DM NAX® Audio-over-IP Capable

The [DM-NAX-POD-MIC](#) connects to a dedicated audio-over-IP network for pairing with a [DM-NAX-AP-100](#) Intelligent Audio processor (sold separately) and other microphone or speaker pods.

The processor automatically configures the necessary audio routing and level adjustments once it is paired with one or more pods and/or speakers. Pairing the DM-NAX-POD-MIC with DM NAX audio devices allows for encrypted unicast audio-over-IP streaming.

Microsoft Teams® Certified Conferencing Solution

When used in combination with the DM-NAX-AP-100 Intelligent Audio processor, the DM-NAX-POD-MIC is part of a Microsoft Teams certified conferencing solution. This allows the Intelligent Audio processor to be selected as the audio interface for a BYOM device running Microsoft Teams.

Capacitive Call and Volume Buttons

The top surface of the DM-NAX-POD-MIC features back-lit capacitive buttons for microphone mute control as well as call pickup and hangup functions for a connected BYOM device.

DM-NAX-POD-MIC-SPK Features

Key features include:

- A tabletop device for small to large room conferencing solutions with a 12-element array microphone and built-in speaker
- Convenient in-call volume and mic mute controls
- Speaker volume indicator and LED indicator ring display operational status
- Built-in acoustic echo cancellation and noise reduction provides exceptional full-duplex audio performance with highly intelligible, echo-free two-way voice quality
- Built-in automatic gain control and automixing balances each microphone in the internal array to provide optimal signal levels while reducing extraneous noise
- Connects via network to a DM-NAX-AP-100 Intelligent Audio processor, which sends and receives audio to a BYOM computer via a USB-C® connection
- Power over Ethernet+ (PoE+) network powered



DM NAX® Audio-over-IP Capable

The [DM-NAX-POD-MIC-SPK](#) connects to a dedicated audio-over-IP network for pairing with a [DM-NAX-AP-100](#) Intelligent Audio processor (sold separately) and other microphone or speaker pods.

The processor automatically configures the necessary audio routing and level adjustments once it is paired with one or more pods and/or speakers. Pairing the DM-NAX-POD-MIC-SPK with DM NAX audio devices allows for encrypted unicast audio-over-IP streaming.

Microsoft Teams® Certified Conferencing Solution

When used in combination with the DM-NAX-AP-100 Intelligent Audio processor, the DM-NAX-POD-MIC-SPK is part of a Microsoft Teams certified conferencing solution. This allows the Intelligent Audio processor to be selected as the audio interface for a BYOM device running Microsoft Teams.

Capacitive Call and Volume Buttons

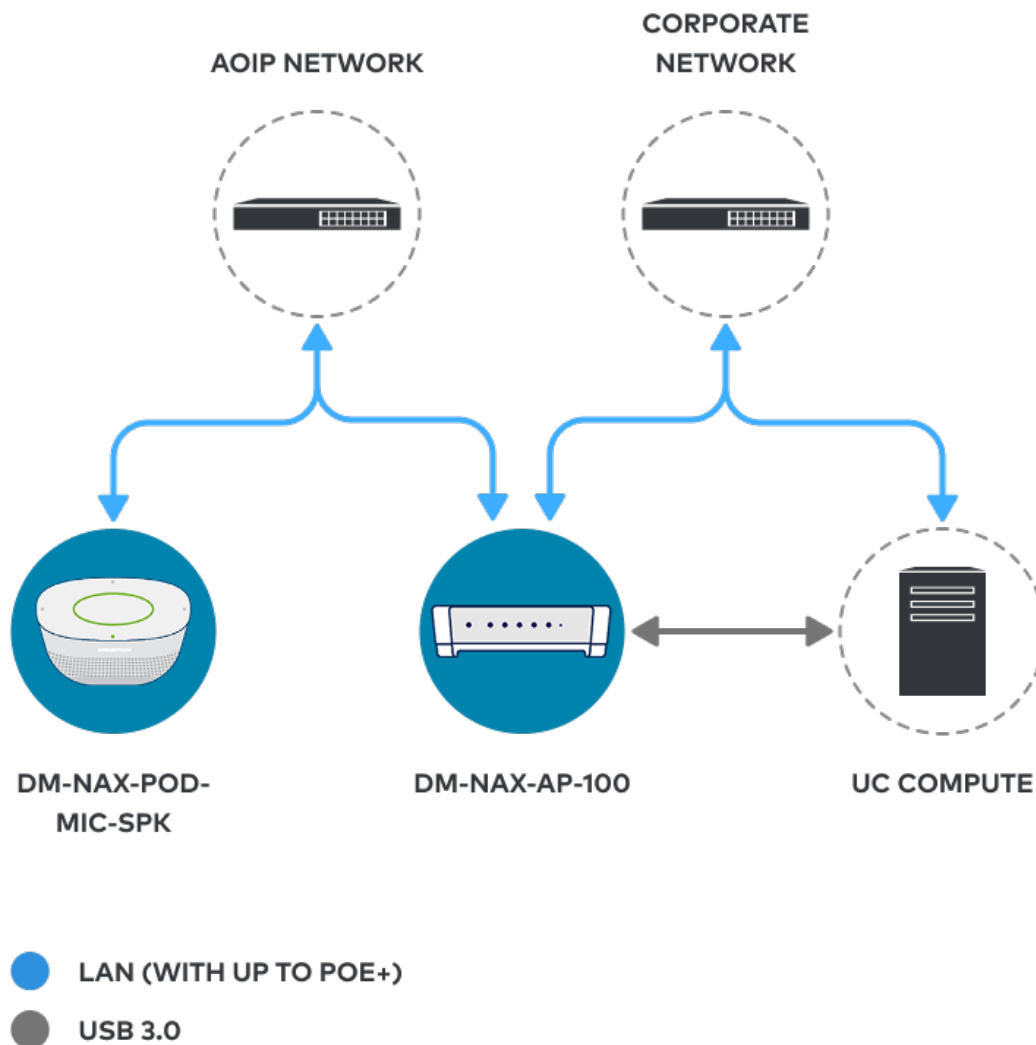
The top surface of the DM-NAX-POD-MIC-SPK features back-lit capacitive buttons for microphone mute control, speaker volume level, and call pickup and hangup functions for a connected BYOM device.

Applications

The DM NAX Intelligent Audio platform can be scaled up to eight peripherals paired with a single DM-NAX-AP-100 Intelligent Audio Processor. The applications below highlight several use cases in differently sized conferencing spaces:

- [Huddle Space on page 11](#)
- [Medium Space on page 12](#)
- [Large Space on page 13](#)

Huddle Space

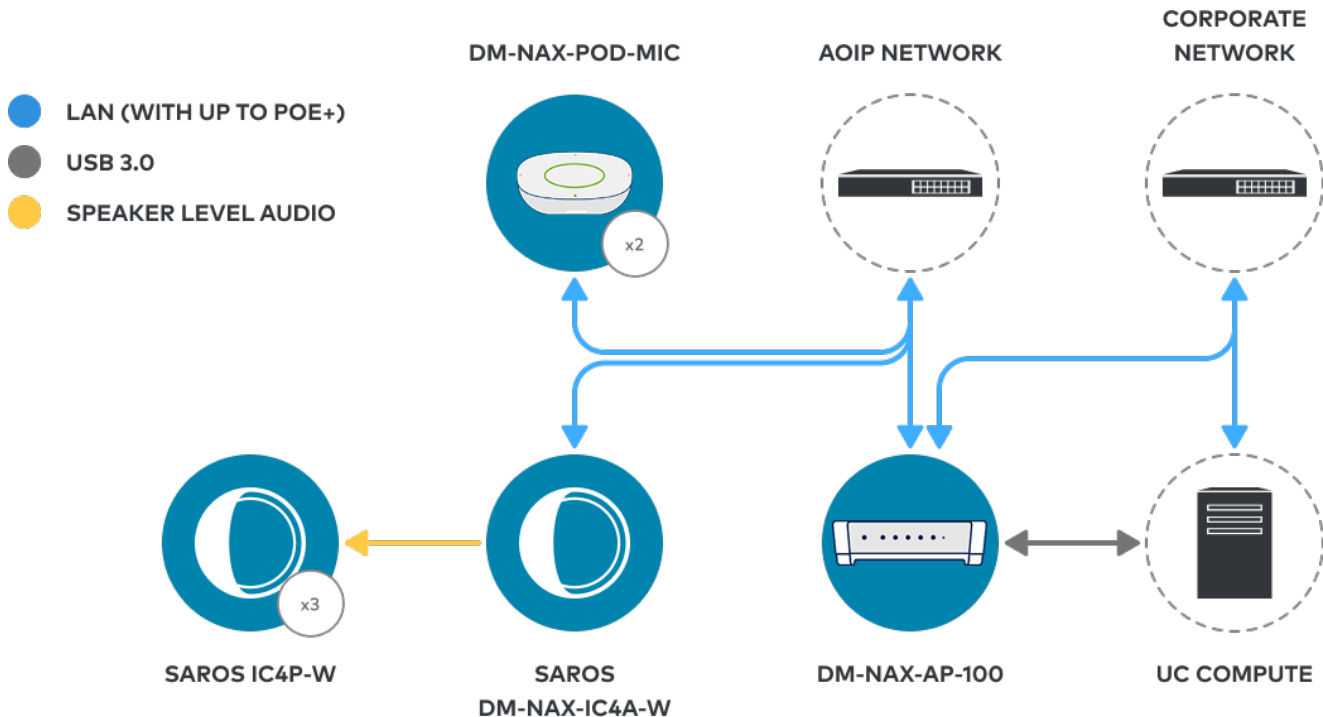


In this use case, a single DM-NAX-POD-MIC-SPK speaker and microphone pod is paired with a DM-NAX-AP-100 Intelligent Audio Processor. The USB output of the Intelligent Audio Processor is connected to a UC compute (such as a Crestron Collab Compute).

Meetings hosted on the UC compute receive the processed microphone audio and transmit the far-end audio to the pod's built-in speaker.

The pod performs acoustic echo cancellation, and the Intelligent Audio Processor performs noise reduction on the microphone audio. The pod's speaker and microphone pickup range of 7.5 ft (2.3 m) makes this solution suitable for a small huddle space.

Medium Space

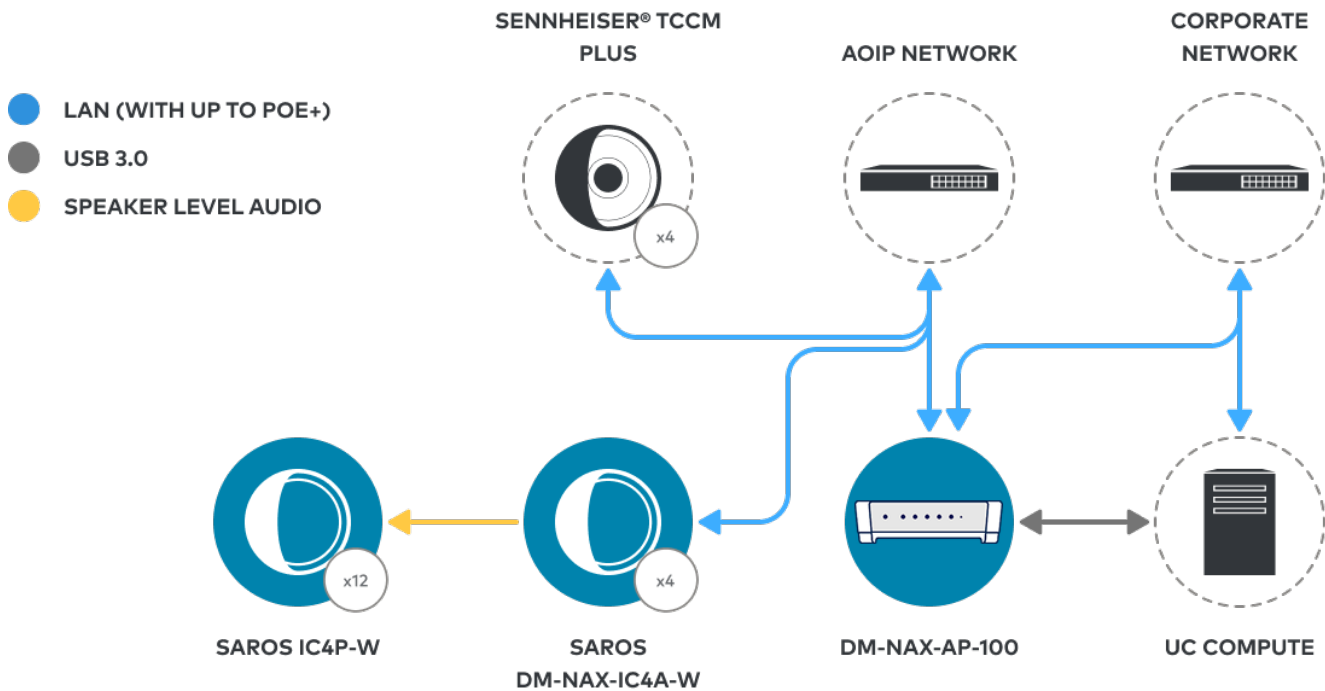


In this use case, two DM-NAX-POD-MIC microphone pods and one SAROS DM-NAX-IC4A-W PoE speaker are paired with a DM-NAX-AP-100 Intelligent Audio Processor. The USB output of the Intelligent Audio Processor is connected to a UC compute (such as a Crestron Collab Compute).

Meetings hosted on the UC compute receive the processed microphone audio of both pods and transmit far-end audio to the PoE speaker. The PoE speaker distributes the same audio to three connected SAROS IC4P-W passive speakers for additional coverage.

The pod performs acoustic echo cancellation, and the Intelligent Audio Processor performs noise reduction on the microphone audio. With the extra pickup coverage of a second microphone pod and the reinforcement of four in-ceiling speakers, this solution is suitable for a medium-sized meeting space.

Large Space



In this use case, four Sennheiser TCCM Plus in-ceiling microphones and four SAROS DM-NAX-IC4A-W PoE speakers are paired with a DM-NAX-AP-100 Intelligent Audio Processor. The USB output of the Intelligent Audio Processor is connected to a UC compute (such as a Crestron Collab Compute).

Meetings hosted on the UC compute receive the processed microphone audio of all four ceiling microphones and transmit far-end audio to the PoE speakers. The PoE speakers each distribute the audio to three locally connected SAROS IC4P-W passive speakers for a total of sixteen in-ceiling speakers.

The ceiling microphones each receive a reference stream from the Intelligent Audio Processor for echo cancellation. The Intelligent Audio Processor performs noise reduction on the microphone audio. The pickup coverage of four ceiling microphones and the reinforcement of up to sixteen in-ceiling speakers makes this solution suitable for a large conferencing space.

Specifications

This section provides the following information:

- [DM-NAX-AP-100 Specifications](#)
- [DM-NAX-POD-MIC Specifications](#)
- [DM-NAX-POD-MIC-SPK Specifications](#)

DM-NAX-AP-100 Specifications

Product specifications for the DM-NAX-AP-100 are provided below.

Product Specifications

Communications

Ethernet	For control and PoE, AoIP, and/or console, 100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, DHCP
USB	Bidirectional USB Audio Class 2 (UAC2) device connection, up to 24-bit/48 kHz stereo audio transfer; Enumerates as Crestron Echo-Canceling Speakerphone

Audio

DSP	Acoustic echo cancellation, automatic gain control, and dynamic noise suppression
Input Signal Types	USB stereo; DM NAX/AES67 audio-over-IP
Output Signal Types	USB stereo; DM NAX/AES67 audio-over-IP

Connectors

USB	(1) USB Type-C® connector, female; UAC2 audio support; Enumerates as Crestron Echo-Canceling Speakerphone
24VDC 0.75A	(1) 2.1 x 5.5 mm DC power connector; 24VDC power input; PW-2407WU power pack (sold separately)
LAN 1 (PoE)	(1) 8-pin RJ-45 connector, female; 100BASE-TX/1000BASE-T Ethernet port; Dedicated for control traffic and Power over Ethernet only; PoE PD (powered device) port; IEEE 802.3af Type 1 PoE Class 0 (12.95 W) compliant; Compatible with PoE compliant Ethernet switch or third-party PoE PSE; Dedicated for Audio-over-IP traffic only
LAN 2	(1) 8-pin RJ-45 connector, female; 100BASE-TX/1000BASE-T Ethernet port
G	(1) 6-32 screw; Chassis ground lug

Controls and Indicators

PWR	(1) Green LED; Indicates that the device is connected to power and fully booted
-----	--

LAN 1-2	(2) LEDs; Solid green indicates that the indicated network port has established a network link and is ready for pairing; Flashes teal in sequence with the other front panel LEDs to indicate that firmware is upgrading; Flashes blue in sequence with the other front panel LEDs to indicate that a connected speaker's firmware is upgrading
AoIP	(1) LED; Solid green indicates that audio-over-IP traffic is passing in or out of the device; Solid yellow indicates that one or more paired devices are offline; Solid red indicates that all paired devices are offline; Flashes teal in sequence with the other front panel LEDs to indicate that firmware is upgrading; Flashes blue in sequence with the other front panel LEDs to indicate that a connected speaker's firmware is upgrading
USB	(1) LED; Solid green indicates that a connection to a USB host is established; Flashes teal in sequence with the other front panel LEDs to indicate that firmware is upgrading; Flashes blue in sequence with the other front panel LEDs to indicate that a connected speaker's firmware is upgrading
PAIR	(1) LED; Flashes blue to indicate that pairing is in process; Flashes teal in sequence with the other front panel LEDs to indicate that firmware is upgrading; Flashes blue in sequence with the other front panel LEDs to indicate that a connected speaker's firmware is upgrading
SETUP	(1) Push button: Pressing and holding the SETUP button for 15 seconds with power supplied clears network settings and restores the default DHCP mode; To perform a factory restore, press and hold the SETUP button with power disconnected, then connect the power supply and continue to hold the SETUP button for 30 seconds; (1) LED, illuminates red when the button is pressed, flashes red when reset has been initiated

Power

PoE	IEEE 802.3af Class 0 (12.95 W) compliant; Compatible with IEEE 802.3af compliant Ethernet switch or third-party PoE compliant PSE
Power Supply (optional)	Input: 100-240VAC, 50/60 Hz; Output: 0.75A @ 24VDC; Model: PW-2407WU (sold separately)

Environmental

Temperature	41° to 104°F (5° to 40°C)
Humidity	10% to 95% RH (noncondensing)

Construction

Enclosure	Lightly textured black finish, plastic housing
-----------	--

Mounting	Freestanding, stackable, surface mount and wall/ceiling mount option with bracket (black plastic)
-----------------	---

Dimensions

Height	1.35 in. (34 mm); 1.77 in. (45 mm) with mounting bracket
Width	5.04 in. (128 mm); 5.36 in. (137 mm) with mounting bracket
Depth	5.04 in. (128 mm)

Weight

12.3 oz (348 g)

Compliance

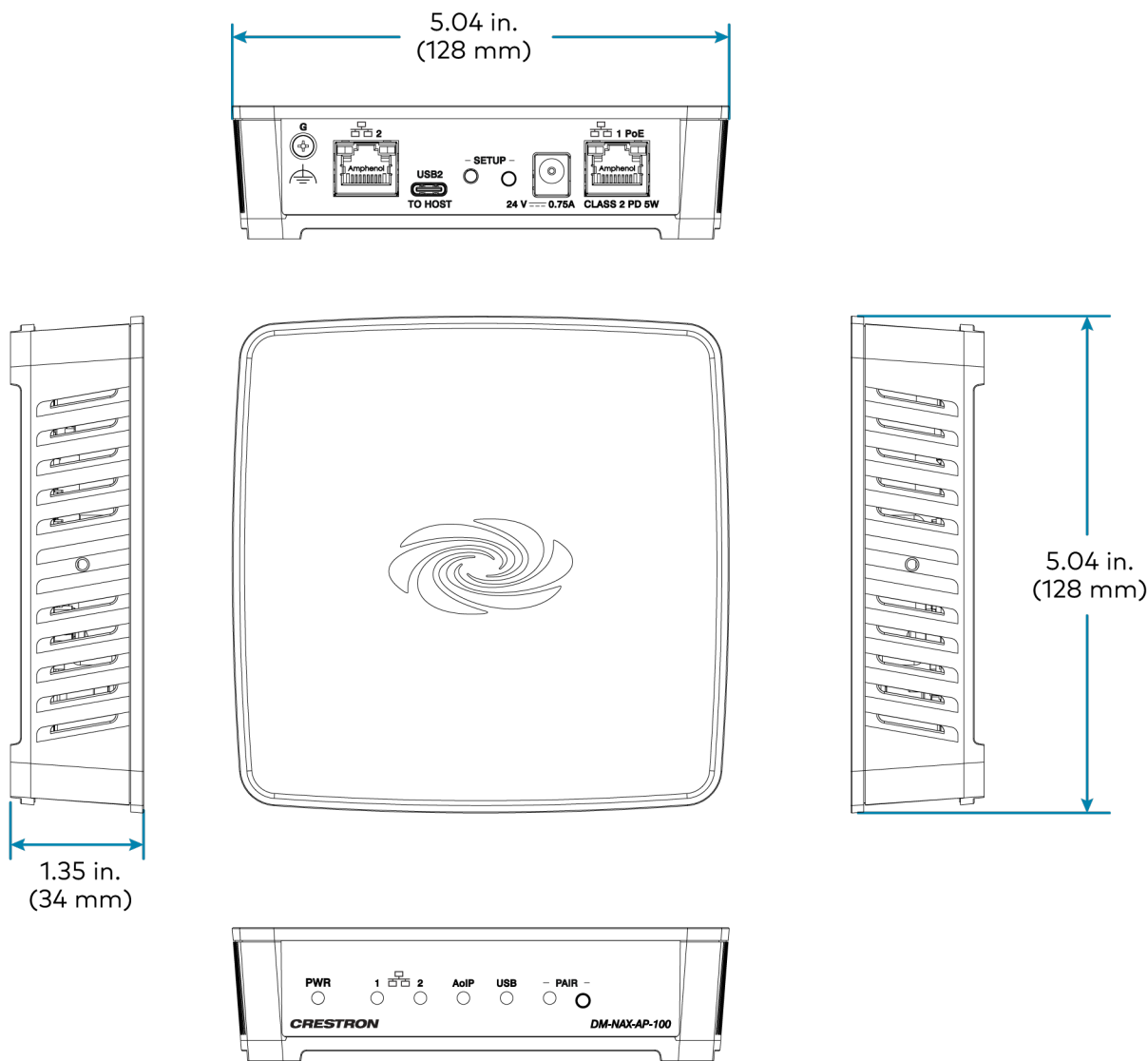
Regulatory Model: M202439003

FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Note:

1. Third-party devices may require initial setup before the DM NAX® can configure the necessary settings.

Dimension Drawings



DM-NAX-POD-MIC Specifications

Product specifications for the DM-NAX-POD-MIC are provided below.

Product Specifications

Communications

Ethernet	For control and PoE, AoIP, and/or console, 100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, DHCP
----------	---

Microphones

Microphones	360° 12-element array
Pickup Radius	7.5 ft (2.3 m)

Audio

DSP	Automatic gain control and dynamic noise suppression Full-duplex IEEE 1329 Type 1 compliant
-----	--

Connectors

LAN 1 (PoE)	(1) 8-pin RJ-45 connector, female; 100BASE-TX/1000BASE-T Ethernet port; PoE PD (powered device) port; IEEE 802.3af Type 1 PoE Class 0 (12.95 W) compliant; Compatible with PoE compliant Ethernet switch or third-party PoE PSE; Dedicated for Audio-over-IP traffic only
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Controls and Indicators

Mic Mute	(1) Button, capacitive, backlit, mutes or unmutes internal microphone; (1) Bicolor red/green LED, indicates whether microphone is muted or unmuted
Status Ring	(1) Multicolor LED ring on top panel, indicates status conditions such as pairing, updating, or errors
RESET	(1) Push button: Pressing and holding the RESET button for 15 seconds with power supplied clears network settings and restores the default DHCP mode; To perform a factory restore, press and hold the RESET button with power disconnected, then connect the power supply and continue to hold the RESET button for 30 seconds

Power

PoE	IEEE 802.3af Class 0 (12.95 W) compliant; Compatible with IEEE 802.3af compliant Ethernet switch or third-party PoE compliant PSE
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Environmental

Temperature	41° to 104°F (5° to 40°C)
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Humidity	10% to 95% RH (noncondensing)
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Construction

Enclosure	Lightly textured black finish, plastic housing, perforated stainless steel grilles, and die-cast aluminum bottom cover
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Mounting	Tabletop mounting only
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Dimensions

Height	1.30 in. (33 mm)
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Width	4.70 in. (120 mm)
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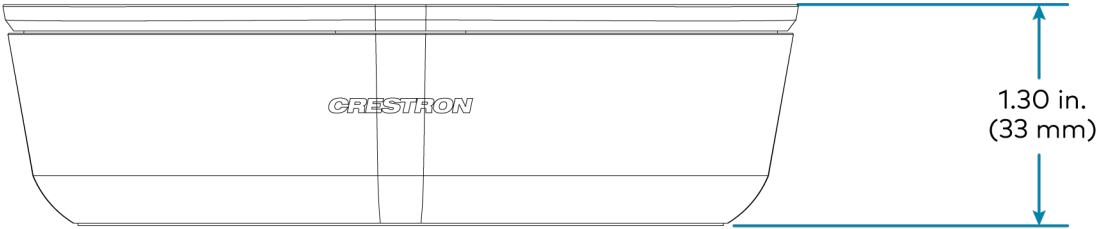
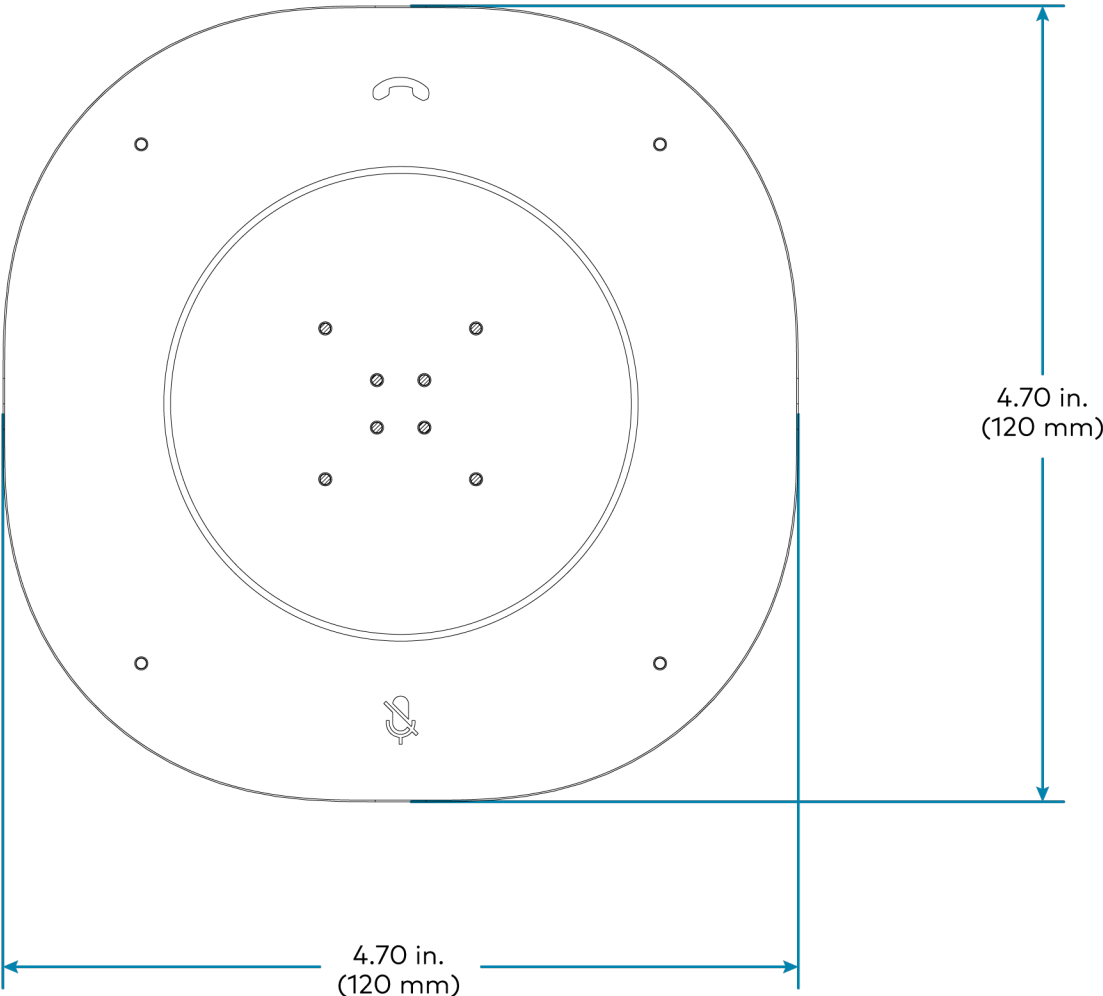
Depth	4.70 in. (120 mm)
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Compliance

Regulatory Model: M202439001

FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Dimension Drawings



DM-NAX-POD-MIC-SPK Specifications

Product specifications for the DM-NAX-POD-MIC-SPK are provided below.

Product Specifications

Communications

Ethernet	For control and PoE, AoIP, and/or console, 100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, DHCP
-----------------	---

Microphones

Microphones	360° 12-element array
Pickup Radius	7.5 ft (2.3 m)

Speaker

Driver	One full range 2 in. speaker
Frequency Response	100 Hz to 7 kHz
Output Level	74 dB SPL @ 1 m

Audio

DSP	Acoustic echo cancellation, automatic gain control, dynamic noise suppression, and speaker volume control Full-duplex IEEE 1329 Type 1 compliant
------------	---

Connectors

LAN 1 (PoE+)	(1) 8-pin RJ-45 connector, female; 100BASE-TX/1000BASE-T Ethernet port; PoE+ PD (powered device) port; IEEE 802.3at Type 2 PoE Class 4 (25.5 W) compliant; Compatible with PoE+ compliant Ethernet switch or third-party PoE+ PSE; Dedicated for Audio-over-IP traffic only
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Controls and Indicators

Mic Mute	(1) Button, capacitive, backlit, mutes or unmutes internal microphone; (1) Bicolor red/green LED, indicates whether microphone is muted or unmuted
Volume Level	(2) Buttons, capacitive, backlit, increase (+) or decrease (-) speaker volume level; (5) White LEDs, indicate current speaker volume level
Status Ring	(1) Multicolor LED ring on top panel, indicates status conditions such as pairing, updating, or errors

RESET (1) Push button: Pressing and holding the **RESET** button for 15 seconds with power supplied clears network settings and restores the default DHCP mode;
To perform a factory restore, press and hold the **RESET** button with power disconnected, then connect the power supply and continue to hold the **RESET** button for 30 seconds

Power

PoE+ IEEE 802.3at Class 4 (25.5 W) compliant; Compatible with IEEE 802.3at compliant Ethernet switch or third-party PoE+ compliant PSE

Environmental

Temperature 41° to 104°F (5° to 40°C)
Humidity 10% to 95% RH (noncondensing)

Construction

Enclosure Lightly textured black finish, plastic housing, perforated stainless steel grilles, and die-cast aluminum bottom cover
Mounting Tabletop mounting only

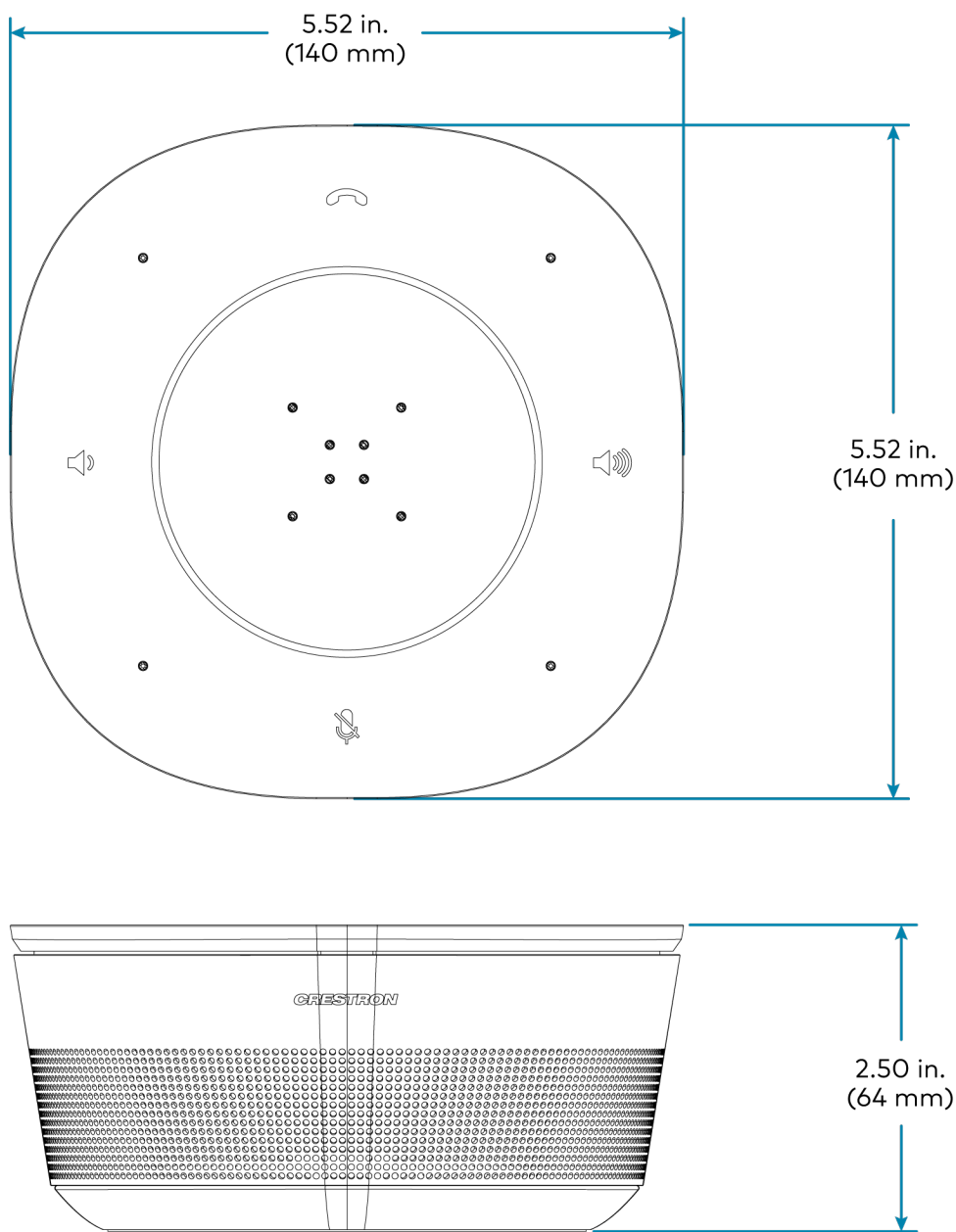
Dimensions

Height 2.50 in. (64 mm)
Width 5.52 in. (140 mm)
Depth 5.52 in. (140 mm)

Compliance

Regulatory Model: M202439002

Dimension Drawings



Getting Started

This manual covers the installation and configuration of the DM-NAX-AP-100 DM NAX® Intelligent Audio Processor, including pairing it with one or more DM NAX Intelligent Audio microphone pods, audio-over-IP speakers, and Sennheiser® TeamConnect™ Ceiling Microphones.

Refer to the headings below to get started with your DM NAX Intelligent Audio system:

- [Installation Content on page 25](#)
- [Configuration Prerequisites on page 25](#)
- [Launch Wizard for Initial System Setup on page 27](#)
- [Full Web Interface Configuration on page 27](#)

Installation Content

Refer to [DM-NAX-AP-100 Installation on page 29](#) for the steps to install and connect the DM-NAX-AP-100.

Refer to [DM-NAX-POD-MIC\(-SPK\) Installation on page 33](#) for the steps to install a DM NAX microphone pod.

Configuration Prerequisites

Before configuring the DM-NAX-AP-100 and pairing devices, ensure the prerequisites below for hardware, firmware, software, and network infrastructure have been met:

- [Hardware and Firmware on page 25](#)
- [Software on page 26](#)
- [Network Infrastructure on page 26](#)

Hardware and Firmware

- DM-NAX-AP-100 Intelligent Audio Processor
 - Must be running firmware version 2.1.139 or later. If a firmware upgrade was required to reach this version, perform a factory restore after the firmware upgrade completes.

NOTE: DM-NAX-POD devices cannot be discovered by the DM-NAX-AP-100 on earlier firmware versions.

- SAROS DM-NAX-IC4A-W PoE Speaker
 - Must be running firmware version 2.0.0163.19137. If a firmware upgrade was required to reach this version, perform a factory restore after the firmware upgrade completes.

- Sennheiser TCCM TeamConnect Ceiling Microphones
 - Sennheiser TCCM Plus must be running firmware version 1.0.0 or higher.
 - Sennheiser TCCM must be running firmware version 1.6.0 or higher.
- NETGEAR® AV Line Managed Network Switch
 - Must be running the latest firmware version available from the [NETGEAR website](#).
 - All network ports connected to Crestron devices must be running the **Crestron DigitalMedia AV Network** profile. Refer to the [NETGEAR Configuration Example Guide for ProAV Installations](#) for instructions on setting a network profile on a given port (under Section 2, titled **AV profile templates, network profiles, and VLANs**).

Software

- Crestron Toolbox™ Software
 - Must be installed on your computer to discover networked Crestron devices. Download this utility from the [Crestron website](#).
- Sennheiser Control Cockpit Software
 - Must be installed on your computer to discover and configure the TeamConnect Ceiling Microphone. Download this utility from the [Sennheiser website](#).

NOTE: This utility is only required for the TCCM and not for the TCCM Plus microphone.

- Audinate® Dante® Controller
 - Must be installed on your computer to route the AES67 audio-over-IP streams between the Crestron Intelligent Audio Processor and the Sennheiser TeamConnect Ceiling Microphone. Download this utility from the [Audinate website](#).

Network Infrastructure

The DM-NAX-AP-100 features two network ports for connection to two isolated networks. The first is for connection to a dedicated audio-over-IP network. The other is for connection to the corporate network, providing access to the web user interface for configuration. This keeps audio traffic fully isolated from the corporate network.

These networks can be isolated either via external switching hardware or via port-based VLAN configuration on a single managed network switch.

If a single NETGEAR AV Line network switch is used, ensure that the default **Data** network profile is used on all appropriate corporate LAN ports of the switch and the **Crestron DigitalMedia AV Network** profile is used on all audio-over-IP ports.

NOTE: The **LAN 1** connector of the Intelligent Audio Processor should be connected to the audio-over-IP network and is also a PoE PD (powered device) port. If PoE is not available on the audio-over-IP network port, an external power supply ([PW-2407WU](#) power pack, sold separately) must be used to power the processor. The **LAN 2** connector is for connection to the corporate LAN.

Once all of the prerequisites above are satisfied, connect to the DM-NAX-AP-100 web UI to use the **Launch Wizard**.

Launch Wizard for Initial System Setup

Refer to [Initial Setup on page 41](#) for instructions on using the **Launch Wizard** to perform the initial setup of the DM-NAX-AP-100.

Full Web Interface Configuration

Refer to [Web Configuration on page 60](#) for instructions on using the DM-NAX-AP-100 web user interface. DM NAX Intelligent Audio microphone pods are configured through the DM-NAX-AP-100 web user interface.

Installation

This section provides the following information:

- [DM-NAX-AP-100 Installation](#)
- [DM-NAX-POD-MIC\(-SPK\) Installation](#)

DM-NAX-AP-100 Installation

Use the following procedures to install the DM NAX®.

- [In the Box on page 29](#)
- [Install the Processor on page 29](#)
- [Connect the Device on page 31](#)

In the Box

Qty.	Description
1	DM-NAX-AP-100, DM NAX Intelligent Audio Processor
Additional Items	
1	Mounting Bracket Assembly, Black, Plastic (4519035)
2	Screw, 6-32 x 3/8 in., Pan Head, Phillips, Black (2007225)
1	Cable, USB-C to USB-C, 6.6 ft. (2 m), Black (2056116)

Install the Processor

The DM-NAX-AP-100 can be mounted on a wall, attached to a DIN rail, or placed on a flat surface.

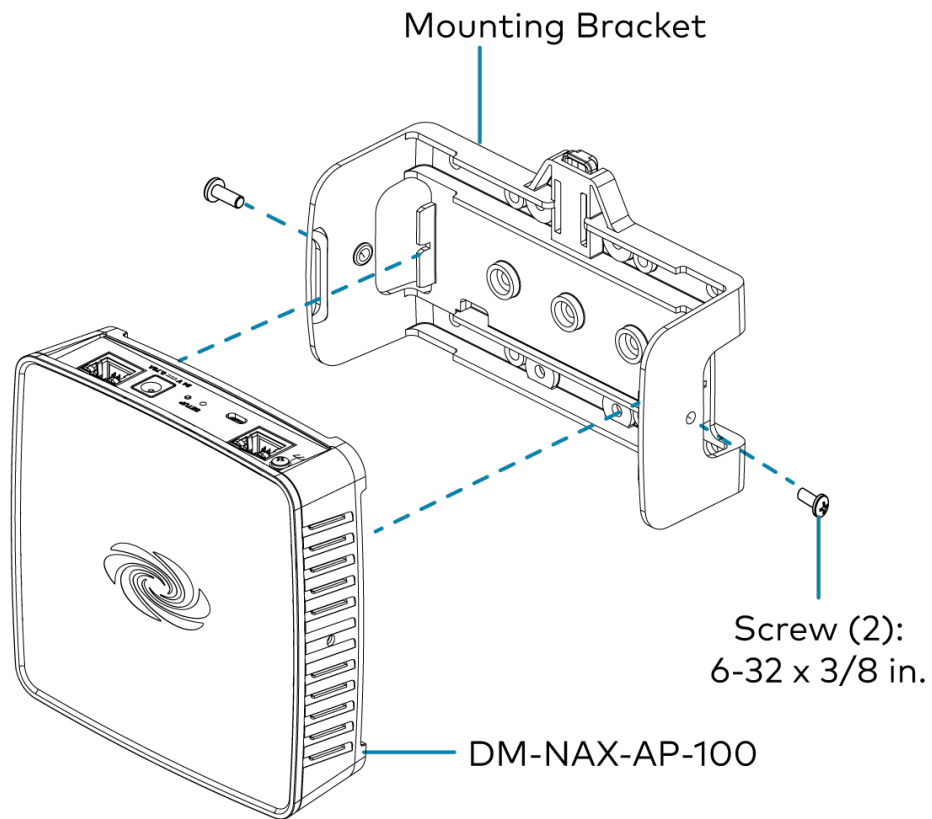
NOTE: Install and use the device in accordance with the appropriate electrical codes and regulations.

Wall Mount

To mount the DM-NAX-AP-100 to a wall:

1. Secure the mounting bracket to a vertical flat surface using surface-appropriate mounting screws (not included).
2. Gently push the device into the mounting bracket until it snaps into place.

3. Secure the device to the mounting bracket using the two 6-32 x 3/8 in. screws as shown in the following image.

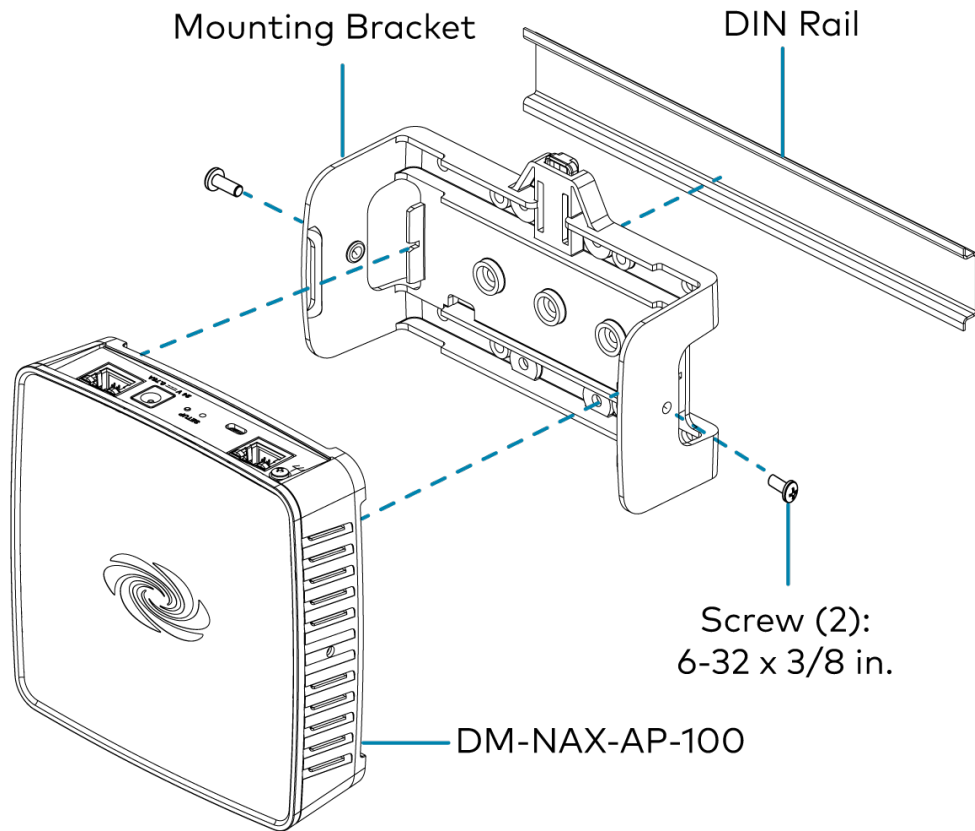


DIN Rail Mount

To mount the DM-NAX-AP-100 onto a DIN rail:

1. Hang the mounting bracket on the top of the DIN rail and press the top of the bracket toward the DIN rail until it snaps into place.
2. Gently push the device into the mounting bracket until it snaps into place.

3. Secure the device to the mounting bracket using the two 6-32 x 3/8 in. screws as shown in the following image.

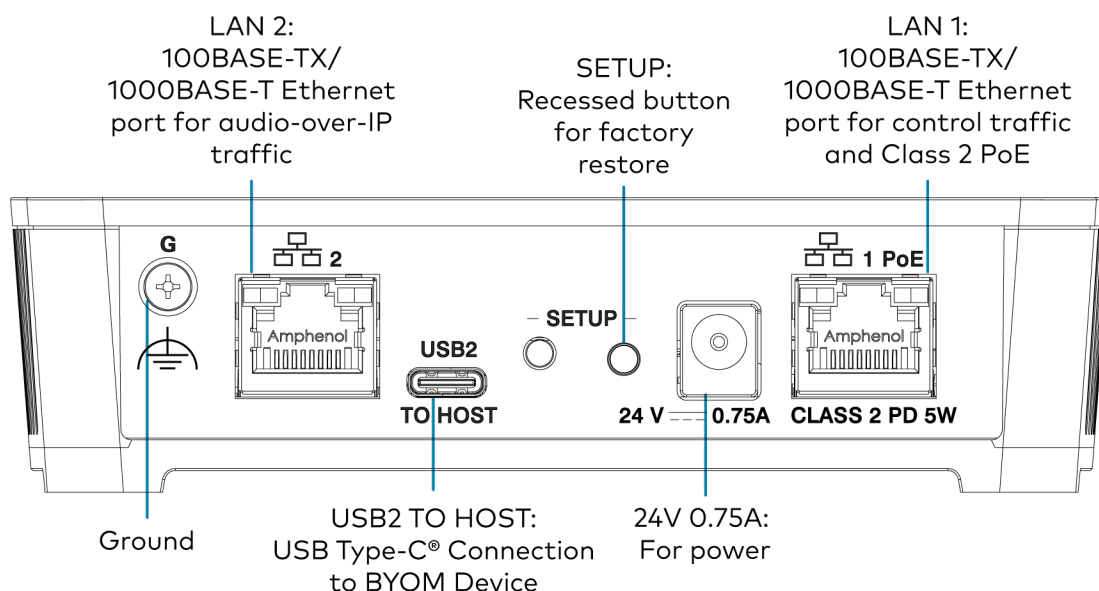


Connect the Device

Make the necessary connections as called out in the following illustration. Connect power last.

NOTES:

- Ensure that the unit is properly grounded by connecting the chassis ground lug to an earth ground (building steel).
- To prevent overheating, do not operate this product in an area that exceeds the environmental temperature range listed in the product specifications.
- If PoE is not available on the connection labeled **1 PoE**, an external power supply ([PW-2407WU](#) power pack, sold separately) must be used to power the device.



Observe the LED Indicators

Refer to the following table for information about the LED indicators on the device.

Indicator(s)	Status	Meaning
PWR	Green, solid	The device is powered on.
LAN 1 and LAN 2	Green, solid	A LAN link is established. When both LAN indicators are green, the device is ready to be paired with accessories.
USB	Green, solid	The device is connected to a USB host.
PAIR	Blue, blinking	Pairing is in progress.
AoIP	Green, solid	DM NAX audio-over-IP traffic is passing from the device and paired peripheral devices. All paired devices are online.
	Yellow, solid	One or more paired peripheral devices are offline.
	Red, solid	All paired peripheral devices are offline.
All front panel indicators	Teal, chasing from left to right	A firmware upgrade for the DM-NAX-AP-100 is in progress.
	Blue, chasing from left to right	A firmware upgrade for one or more paired peripheral devices is in progress.

DM-NAX-POD-MIC(-SPK) Installation

Use the following procedures to install the DM-NAX-POD-MIC and DM-NAX-POD-MIC-SPK pods:

- [In the Box on page 33](#)
- [Install the Device on page 33](#)
- [Observe the LED Indicators on page 39](#)

In the Box

Qty.	Description
1	DM-NAX-POD-MIC(-SPK), PoE (Speaker and) Microphone Pod
Additional Items	
1	Tabletop Mounting Bulkhead, Black, Plastic (4538815)
4	Screw, 4-40 x 1/4 in., Flat Head, Phillips, Black (2007152)
1	Tabletop Cutout Template (2064383)
1	Locking Washer, Metal (2064343)
1	Nut, 2 in. Diameter, Black, Plastic (2064341)

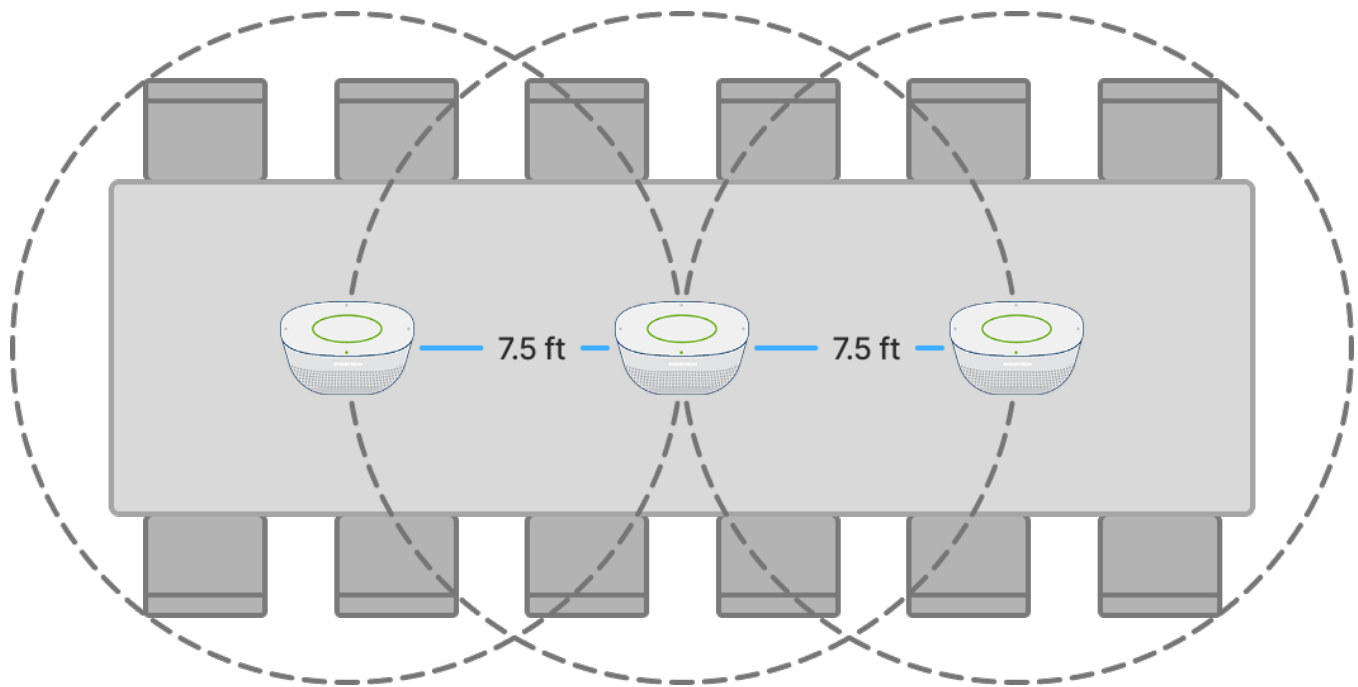
Install the Device

The DM-NAX-POD-MIC and DM-NAX-POD-MIC-SPK can be placed on top of a flat surface or installed into a table top.

NOTE: Install and use the device in accordance with the appropriate electrical codes and regulations.

Pods should be installed 7.5 ft (2.3 m) apart center-to-center.

Pod Spacing



This spacing provides optimal audio coverage and helps Automate VX software distinguish between meeting participants.

Surface Placement

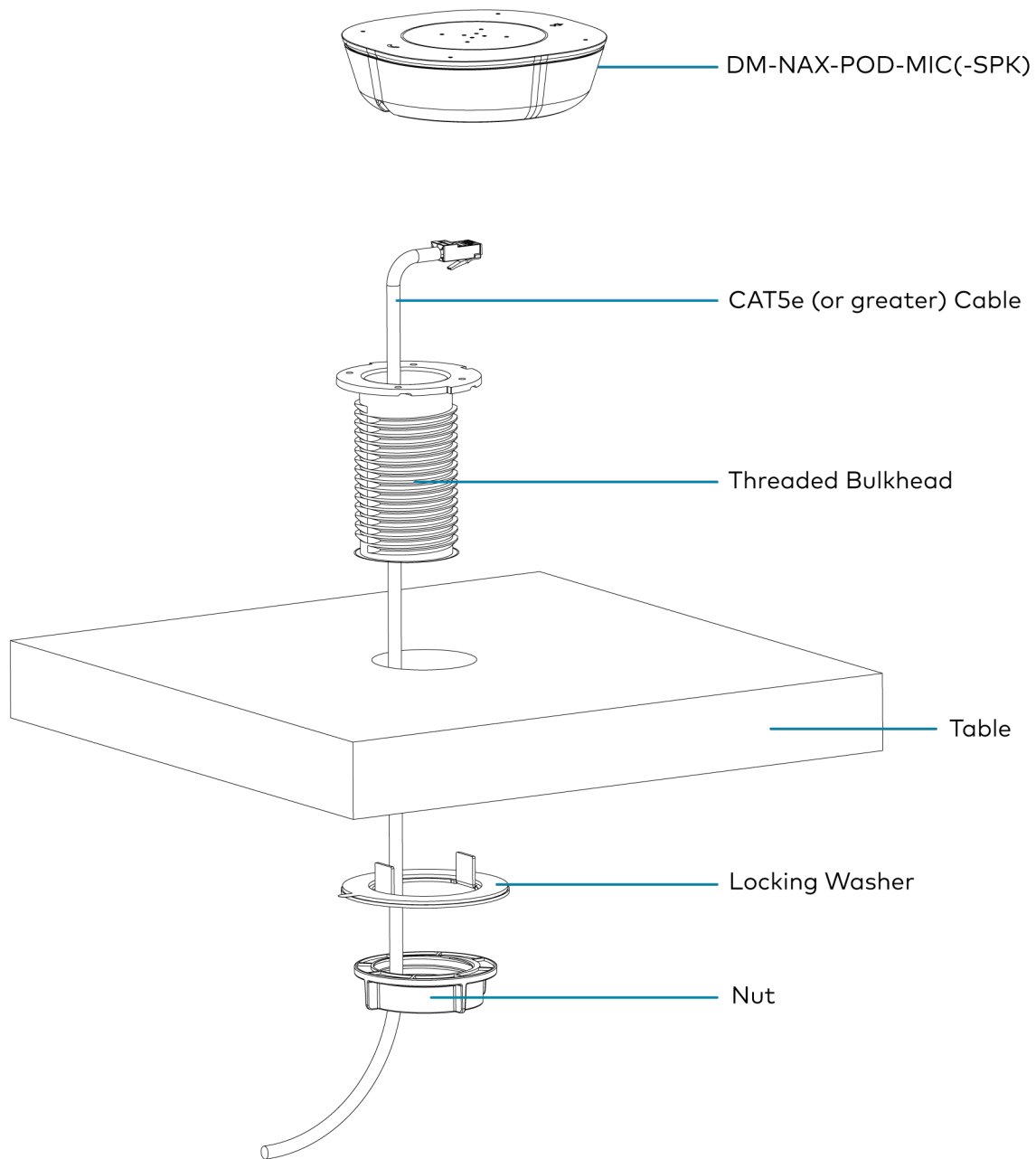
The bottom face of the DM-NAX-POD-MIC(-SPK) features a padded ring, allowing it to be placed directly onto a flat surface without the risk of scratching or damaging the surface. Guide the connected cables through the cable channel, then place the pod on a flat surface.

Table Top Mounting

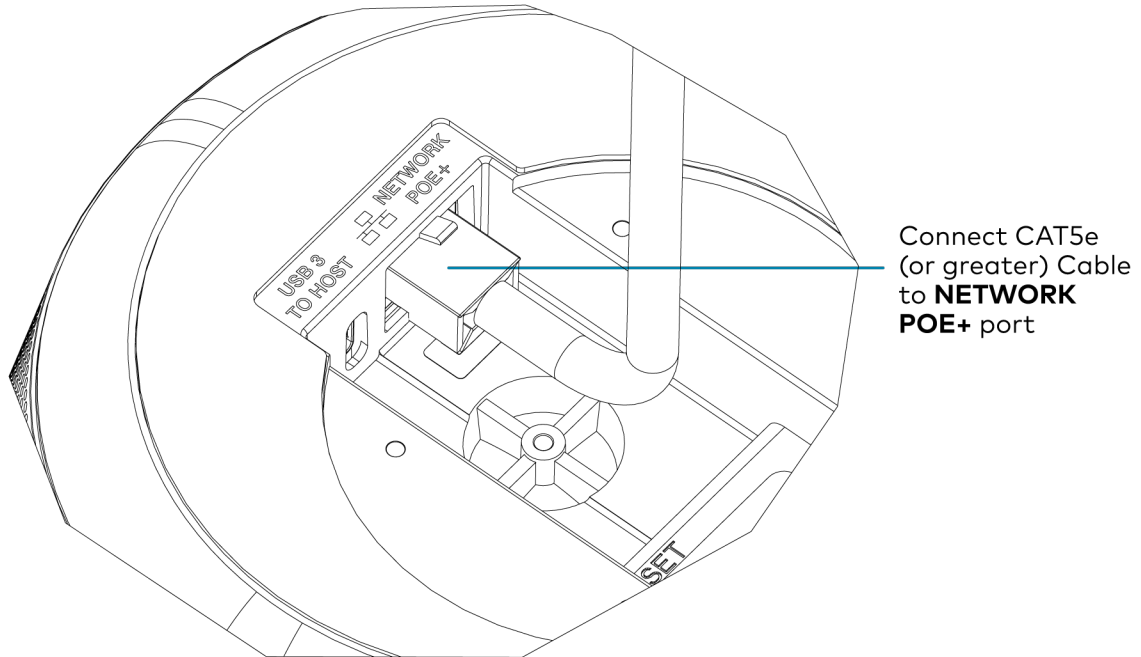
To permanently mount the DM-NAX-POD-MIC(-SPK) onto a table top:

1. Prepare proper protection for the table surface.
2. Use the included cutout template and a 2 in. (50.8 mm) hole saw (not included) to drill a hole through the table at the desired location.

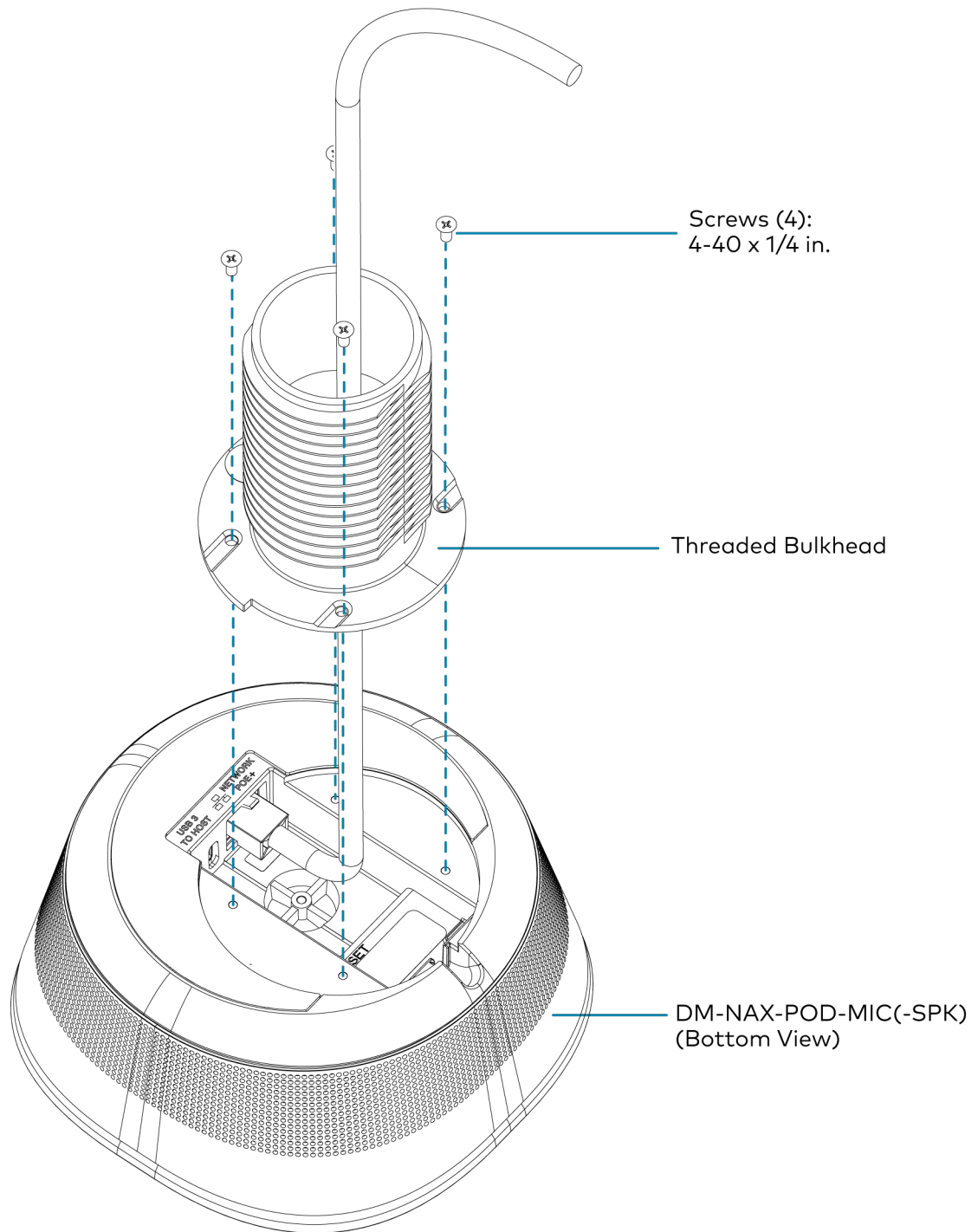
3. Guide a CAT5e (or greater) cable through the nut and locking washer underneath the table surface, then through the hole in the table, then through the threaded bulkhead above the table surface. Refer to the illustration below to ensure that the cable is passing through these components in the correct order.



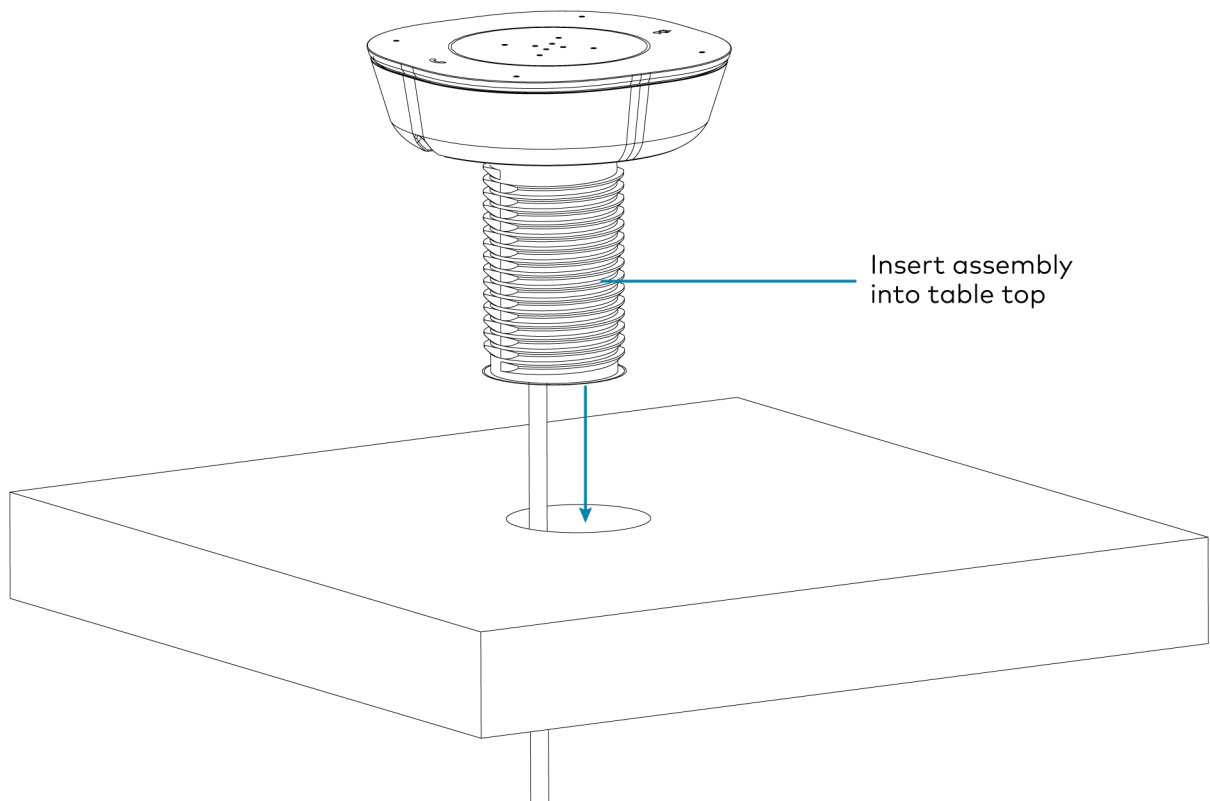
4. Connect the cable to the **NETWORK POE+** port of the pod.



5. Use the four included Phillips screws to secure the threaded bulkhead to the bottom surface of the pod.

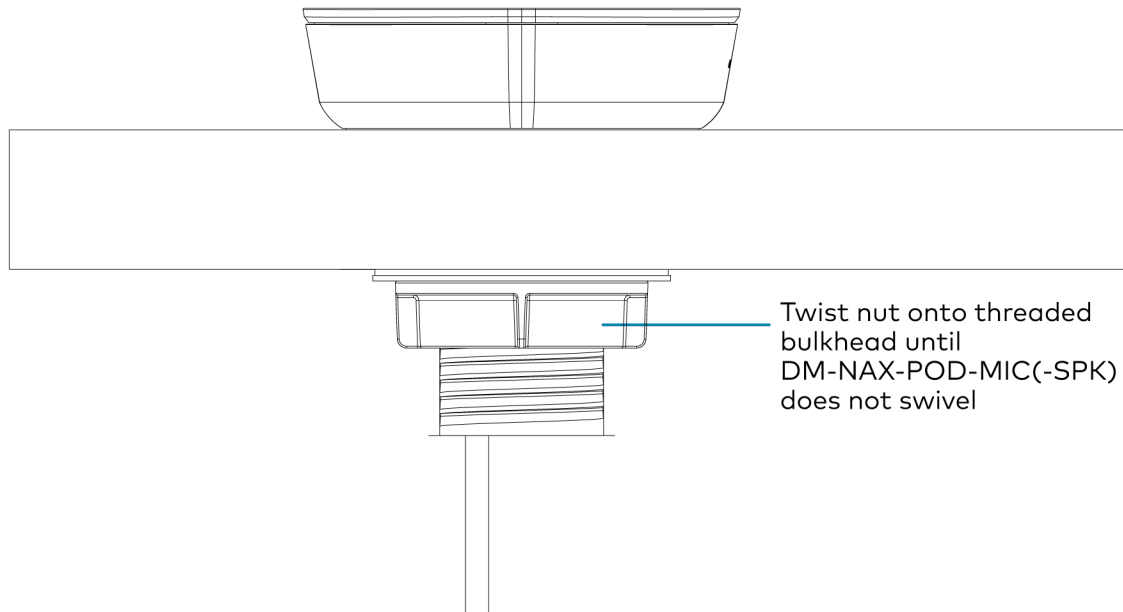


6. Insert the bulkhead into the hole in the table surface.



7. Push the included locking washer into the hole from the underside of the table so it touches the bottom surface of the table.

- Twist the included nut onto the bulkhead threads from the underside of the table until it makes contact with the locking washer. Ensure the nut is tight enough to prevent the pod from freely swiveling on the table top, but do not overtighten the nut.



Observe the LED Indicators

Refer to the following table for information about the LED indicators on the device.

Indicator(s)	Status	Meaning
LED Ring	Amber, solid	The pod is not paired with a DM-NAX-AP-100 audio processor.
	Blue, blinking three times quickly	The pod is pairing with or unpairing from a DM-NAX-AP-100.
	Cyan, solid	The pod is idle; no calls or meetings are currently active.
	Amber, slow blink	The paired DM-NAX-AP-100 is offline.
	Green clockwise chase	The pod firmware is upgrading.
Handset Button	Green, blinking three times	A call is incoming.
LED Ring, Mute Button, and Handset Button	LED ring and Mute button are solid green, handset button is red	A call or meeting is active and the microphone is unmuted.
LED Ring and Mute Button	Red, solid	A call or meeting is active and the microphone is muted.

Configuration

This section provides the following information:

- [Initial Setup](#)
- [Web Configuration](#)

Initial Setup

Use the following procedures to set up the DM-NAX-AP-100 prior to regular operation:

- [Access the Web User Interface on page 41](#)
- [Update Firmware on page 42](#)
- [Launch Wizard on page 43](#)
- [Set the Time Zone on page 58](#)

Access the Web User Interface

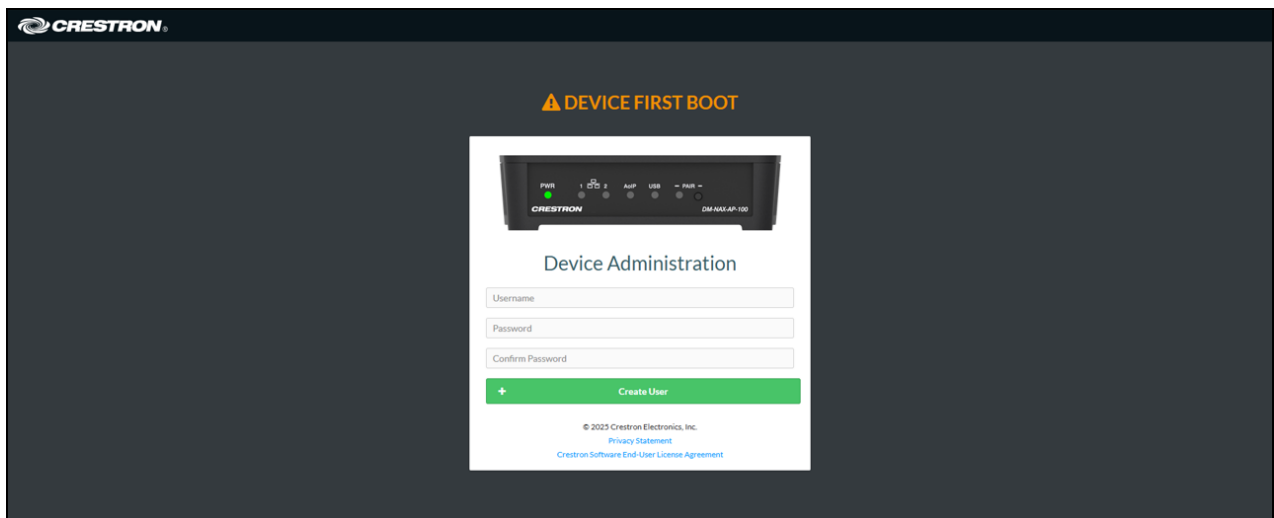
To access the web user interface (UI) of the DM-NAX-AP-100, enter its IP address into a web browser. To obtain the IP address, use the Device Discovery Tool in Crestron Toolbox software or an IP scanner application.

If this is the first time you are accessing the UI out of the box or after a factory restore, you will need to create an administrator account.

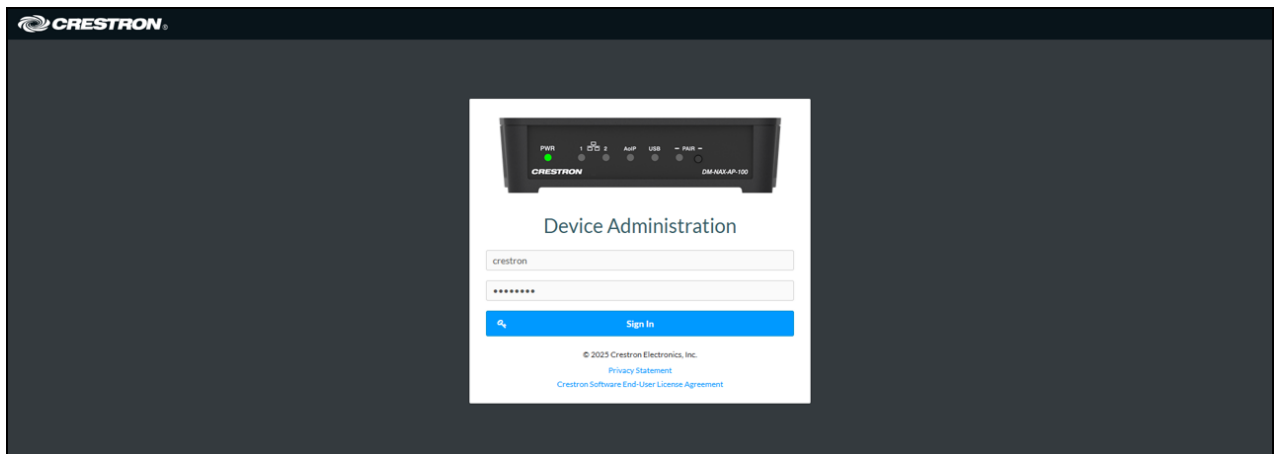
Create an Admin Account

To create an administrator account:

1. Enter a user name in the **Username** field.
2. Enter a password in the **Password** field.
3. Re-enter the same password in the **Confirm Password** field.



4. Select **Create User**. The **Device Administration** page refreshes with two text fields instead of three and a **Sign In** button instead of a **Create User** button.

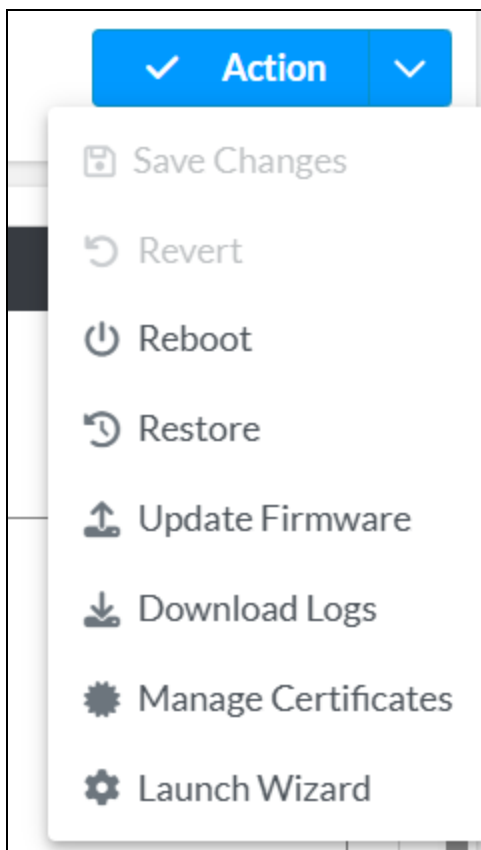


5. Enter the user name and password, then select **Sign In** to access the rest of the web UI.

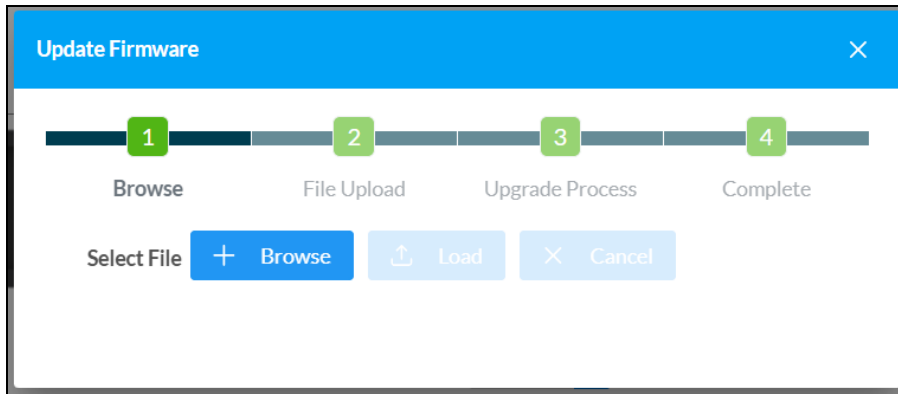
Update Firmware

To update firmware on the device:

1. Sign into the device web UI.
2. Select the **Action** drop-down at the top right of the UI.



3. Select **Update Firmware**. The **Update Firmware** message box is displayed.



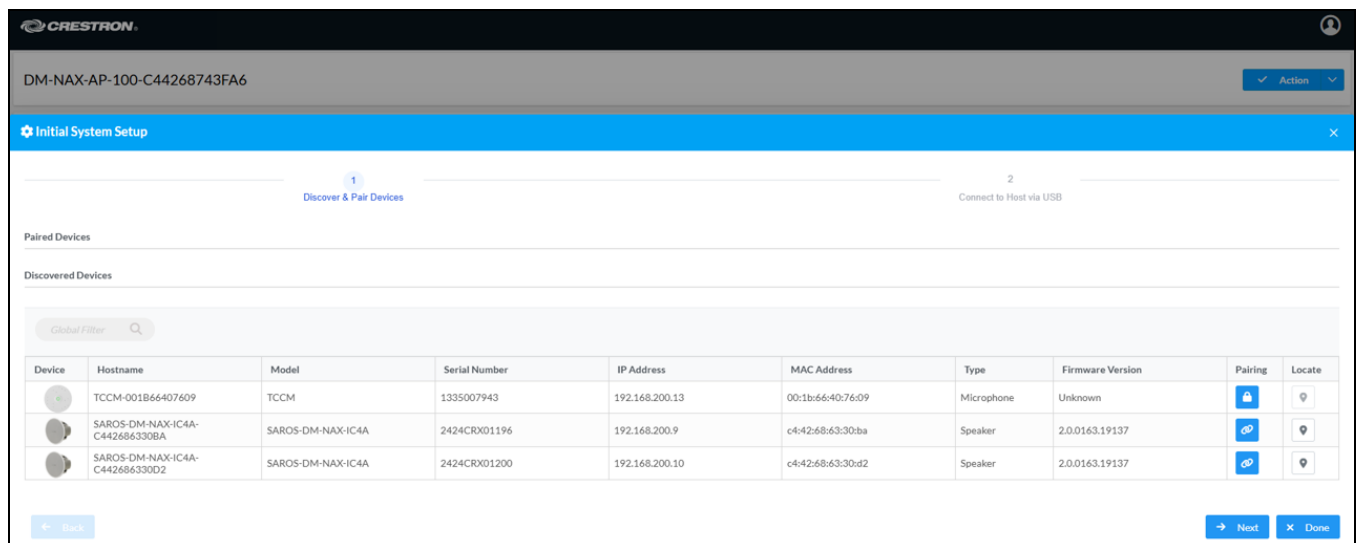
4. Select **Browse**. A file explorer window is displayed.
5. Locate and select the firmware file, then select **Open**. The selected firmware file name is displayed in the **Update Firmware** window.
6. Select **Load** and wait for the progress bar to complete and for **OK** to become selectable.
7. Select **OK**. The firmware update is complete and the web UI can be accessed as normal.

Launch Wizard

The DM-NAX-AP-100 web user interface (UI) features a **Launch Wizard** that is displayed after the first user login.

NOTE: If accessing the UI for the first time or immediately following a factory restore, create an administrator account. The **Launch Wizard** will appear. If the **Launch Wizard** does not appear after logging in, it can be accessed from the **Action** drop-down menu at the top right corner of the UI by selecting **Action** and then **Launch Wizard**.

DM-NAX-AP-100 Launch Wizard Window

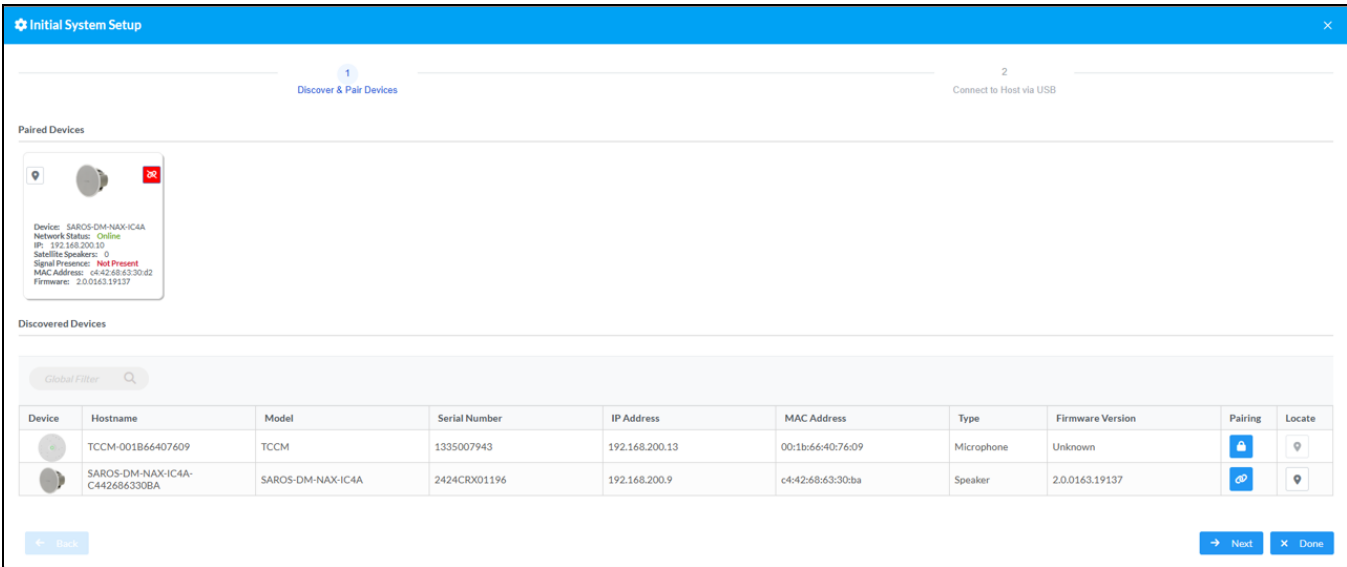


The **Launch Wizard** begins on step one, **Discover & Pair Devices**. The **Paired Devices** table is empty during initial setup. All discovered compatible endpoints on the audio-over-IP network are listed under the **Discovered Devices** table along with a device image, their hostname, model name, serial number, IP address, MAC address, device type, and current firmware version.

Pair PoE Speakers or DM-NAX-POD devices

To pair a SAROS DM-NAX-IC4A-W, DM-NAX-POD-MIC, or DM-NAX-POD-MIC-SPK with the Intelligent Audio Processor, select the pairing icon  under the **Pairing** column. The device will appear in the **Paired Devices** table with several status fields.

Successfully Paired DM-NAX-IC4A-W PoE Speaker



Initial System Setup

1 Discover & Pair Devices 2 Connect to Host via USB

Paired Devices



Device: SAROS-DM-NAX-IC4A
Network Status: Online
IP: 192.168.200.10
Satellite Speakers: 0
Signal Presence: Not Present
MAC Address: c4:42:68:63:30:a2
Firmware: 2.0.063.19137

Discovered Devices

Global Filter 

Device	Hostname	Model	Serial Number	IP Address	MAC Address	Type	Firmware Version	Pairing	Locate
	TCCM-001B66407609	TCCM	1335007943	192.168.200.13	00:1b:66:40:76:09	Microphone	Unknown		
	SAROS-DM-NAX-IC4A-C442686330BA	SAROS-DM-NAX-IC4A	2424CRX01196	192.168.200.9	c4:42:68:63:30:ba	Speaker	2.0.063.19137		

Pair Ceiling Microphones

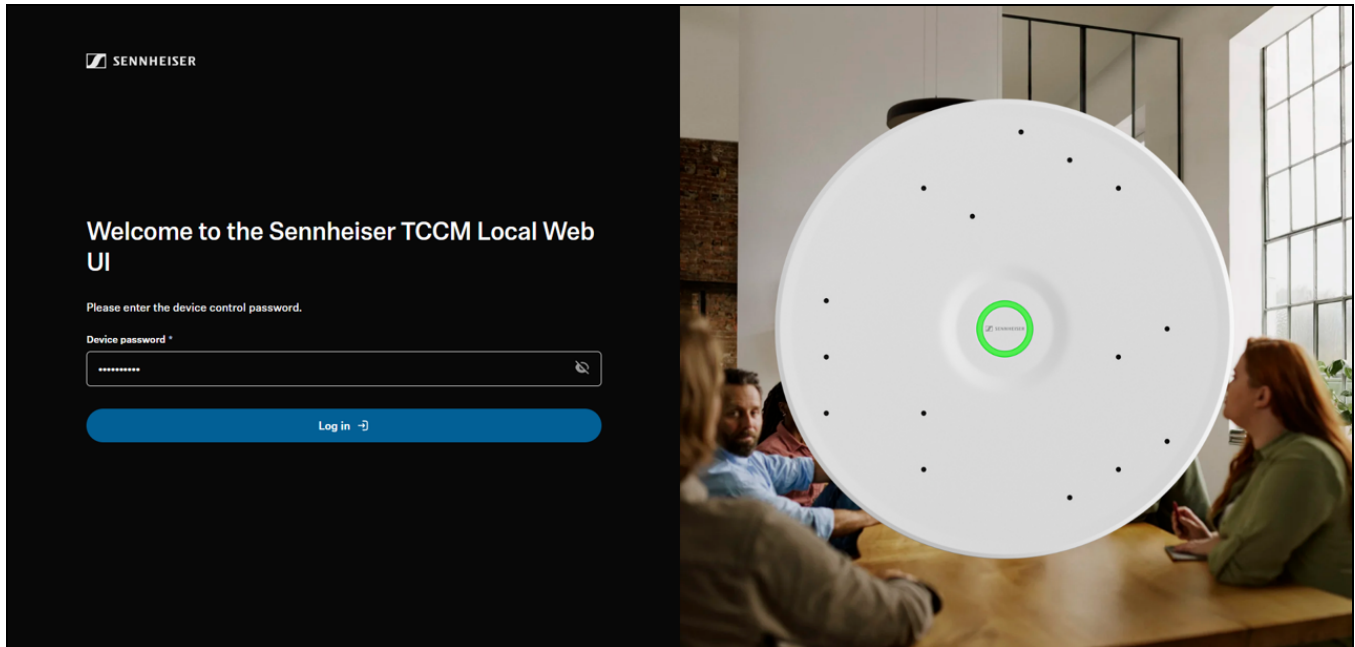
Sennheiser TeamConnect microphones require device passwords before they can be paired with the Intelligent Audio Processor. For TCCM Plus microphones, this only requires an initial login to the microphone's web UI. For first-generation TCCM microphones, this requires Sennheiser Control Cockpit software.

Refer to the sections below:

- [Initial Login \(TCCM Plus Only\) on page 45](#)
- [Open Sennheiser Control Cockpit \(TCCM Only\) on page 45](#)
- [Claim the Microphone \(TCCM Only\) on page 46](#)
- [Pair the Microphone with the Intelligent Audio Processor on page 47](#)
- [Route the AES67 Audio-over-IP Traffic on page 49](#)

Initial Login (TCCM Plus Only)

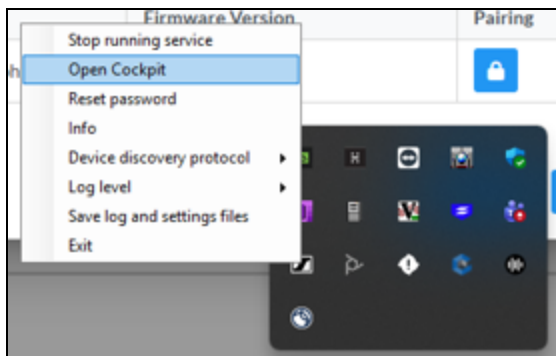
Connect to the IP address of the TCCM Plus microphone to access the web UI for the first time and create a device password.



Open Sennheiser Control Cockpit (TCCM Only)

Launch the Control Cockpit application in a web browser from the system tray by right-clicking on the Control Cockpit icon and selecting **Open Cockpit** in the menu that is displayed.

Open Sennheiser Control Cockpit

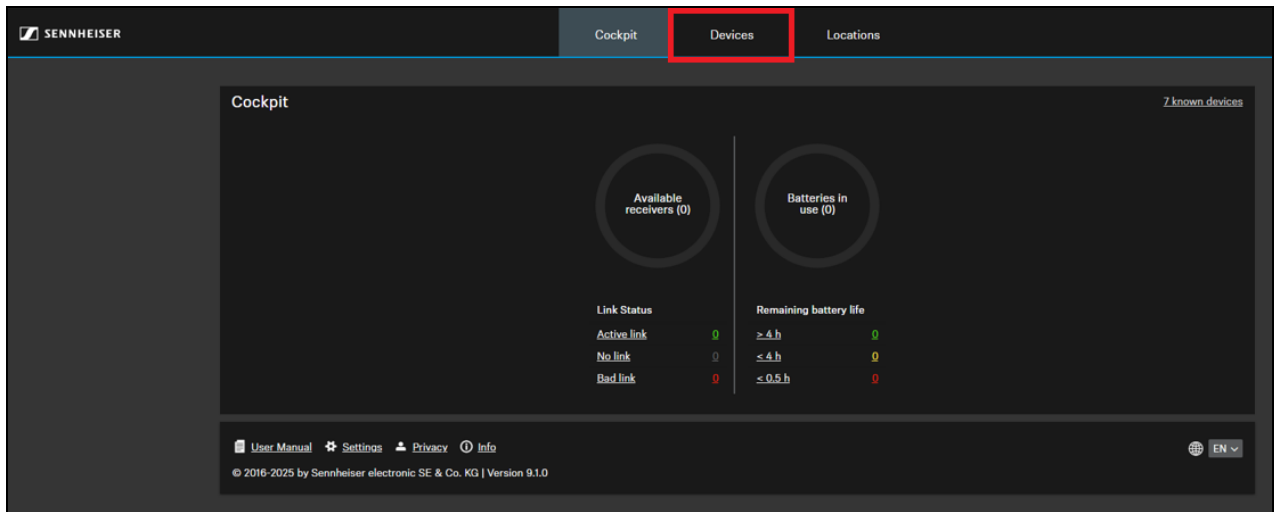


Enter the same Control Cockpit login that was used during installation of the application.

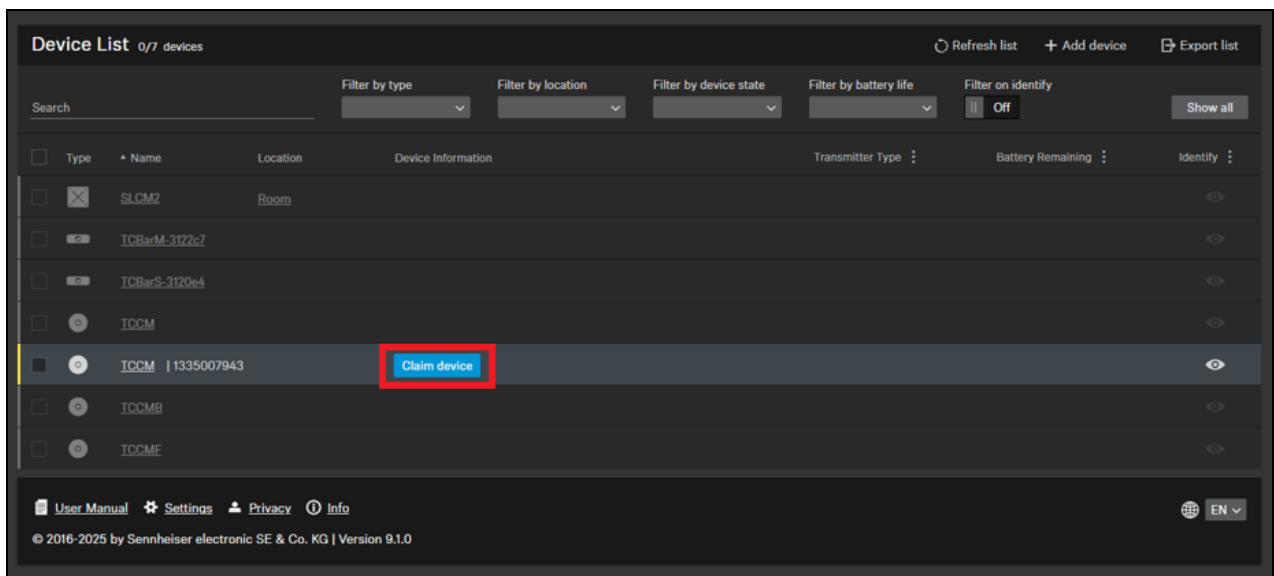
Claim the Microphone (TCCM Only)

To claim a TCCM using Control Cockpit:

1. Select the **Devices** tab.



2. Select **Claim device** next to the desired microphone.



3. Read and agree to the license agreement when prompted, then select **Next**.

The screenshot shows a 'Claim device' window with a progress indicator '1/3' in the top right corner. The main text reads: 'In order to claim your device(s), please read and agree to the software license(s) first.' Below this, there is a table with two columns: 'Device Name' and 'Licenses'. The first row shows 'TCCM' under 'Device Name' and 'I accept the [license agreement](#)' under 'Licenses'. To the right of the table, there are two 'Accept all' checkboxes, both of which are checked. At the bottom right of the window, there are two buttons: 'Next' (highlighted in blue) and 'Cancel'.

4. Enter a device password, then select **Set Password**.

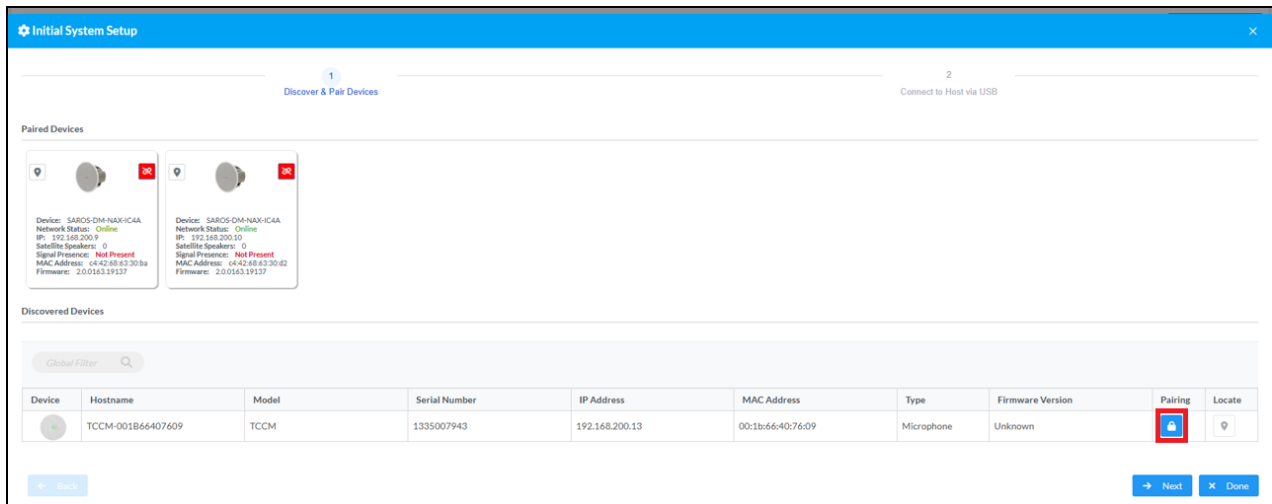
The screenshot shows the same 'Claim device' window, but the progress indicator now shows '3/3'. The main text reads: 'Please enter a new password for this (these) device(s). Please remember this password as it will be needed in case the device is to be claimed again in the future. The new password has to be at least 10 characters long and contain at least one of each: lowercase letter (a..z), uppercase letter (A..Z), digit (0..9), special character.' Below this text, there is a 'New Password' label and a text input field containing 'Crestron#1'. To the right of the input field is an eye icon. At the bottom of the window, there are three buttons: 'Back', 'Set Password' (highlighted in blue), and 'Cancel'.

Pair the Microphone with the Intelligent Audio Processor

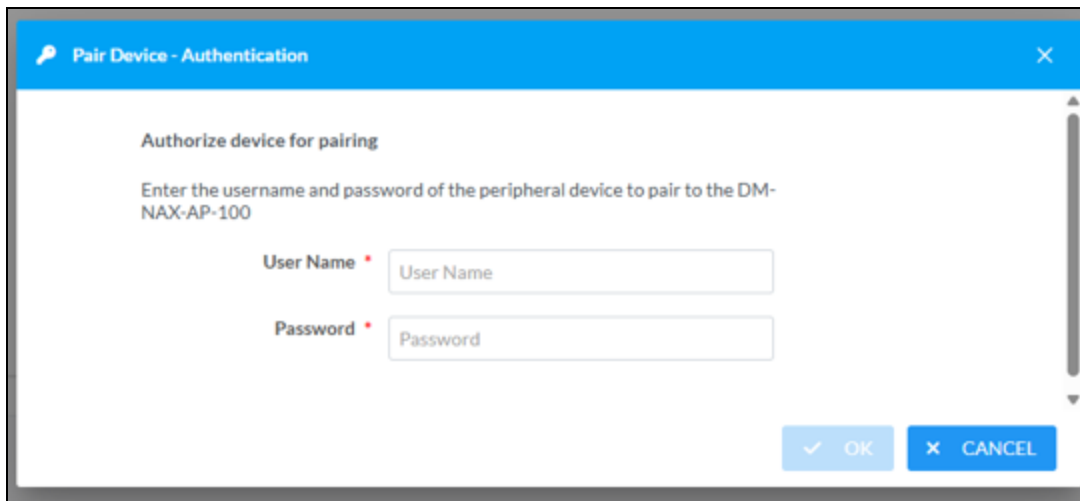
Once the microphone device password has been created, return to the DM-NAX-AP-100 web UI Launch Wizard.

To pair the microphone:

1. Select the lock icon  under the **Pairing** column. The **Pair Device - Authentication** window is displayed.



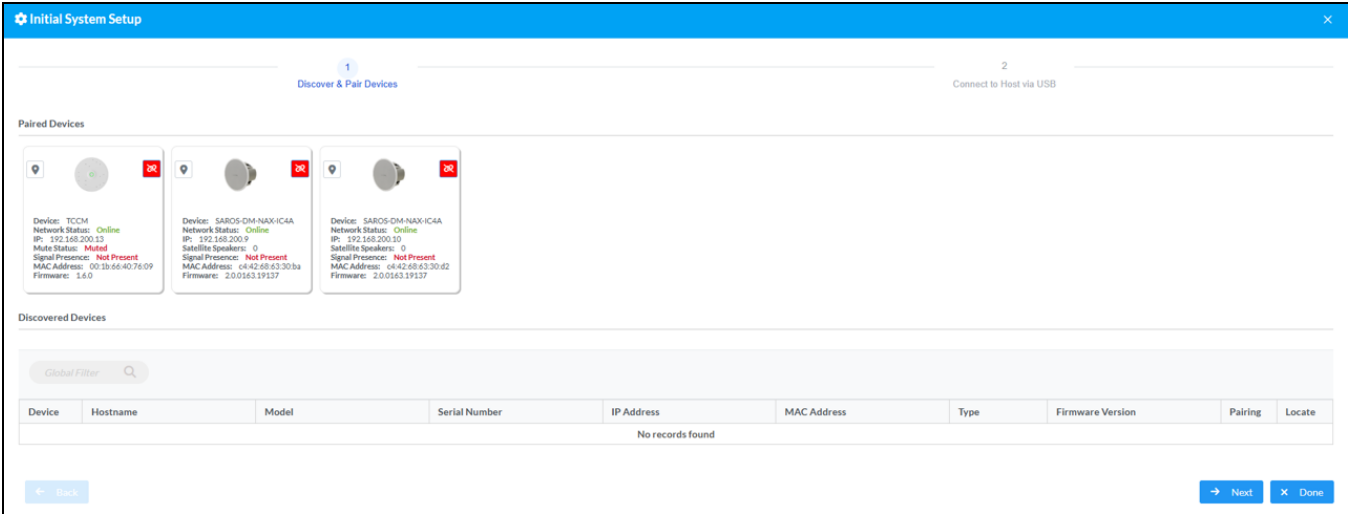
2. Enter **admin** in the **User Name** field, then enter the password created during step four of [Claim the Microphone \(TCCM Only\)](#) on page 46 in the **Password** field.



3. Select **OK** to pair the microphone, or select **Cancel** to cancel the pairing operation.

The microphone will immediately appear in the **Paired Devices** table along with several device status fields.

Successfully Paired Ceiling Microphone and Speakers



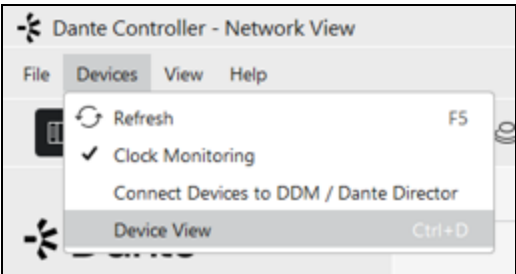
The LED ring color on the microphone will also change to cyan once the pairing process is complete. The cyan LED ring indicates that the microphone is paired, idle, and muted.

Route the AES67 Audio-over-IP Traffic

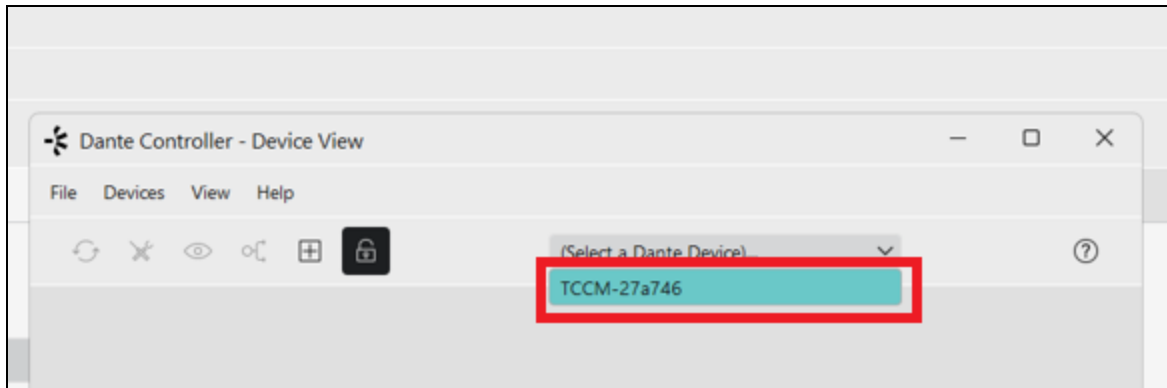
Sennheiser TeamConnect Ceiling microphones transmit networked audio via Dante audio-over-IP by default. To share networked audio with the DM-NAX-AP-100, the ceiling microphone must be set to use AES67 audio-over-IP traffic, and the network route must be manually established using the Dante Controller application.

To enable AES67 on the ceiling microphone and establish the route:

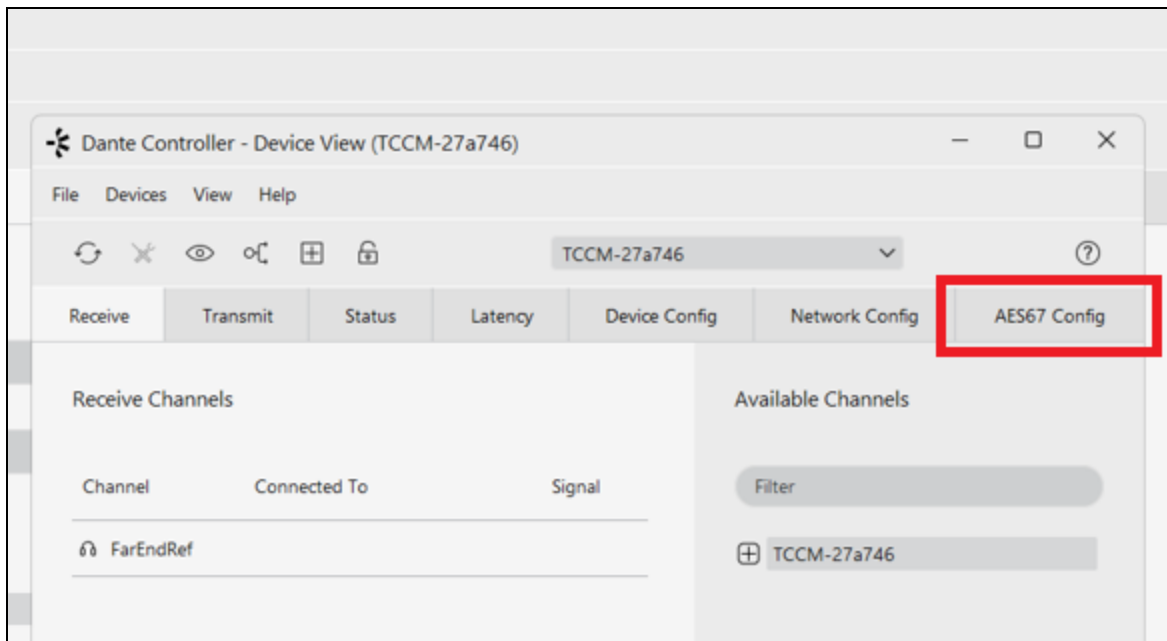
1. Launch the Dante Controller application.
2. Select the **Devices** drop-down at the top of the user interface, then select **Device View**.



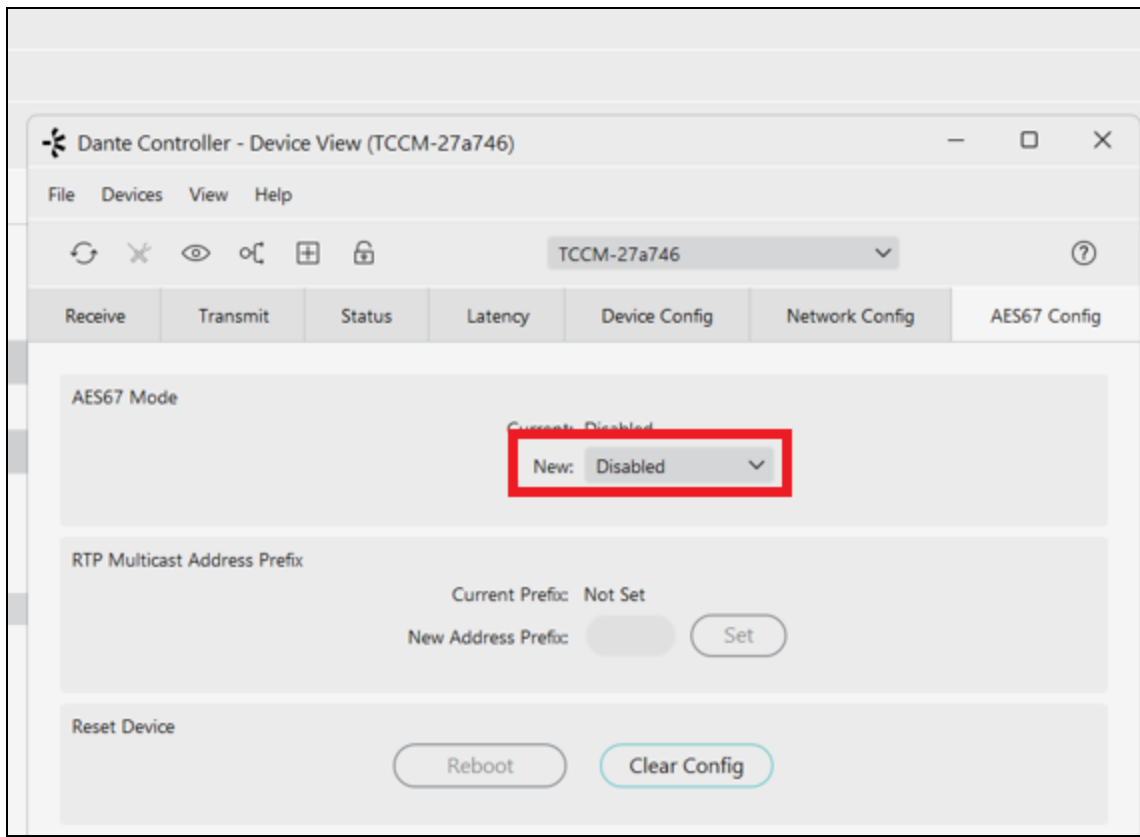
3. Select the ceiling microphone from the **(Select a Dante Device)** drop-down.



4. Select the **AES67 Config** tab.



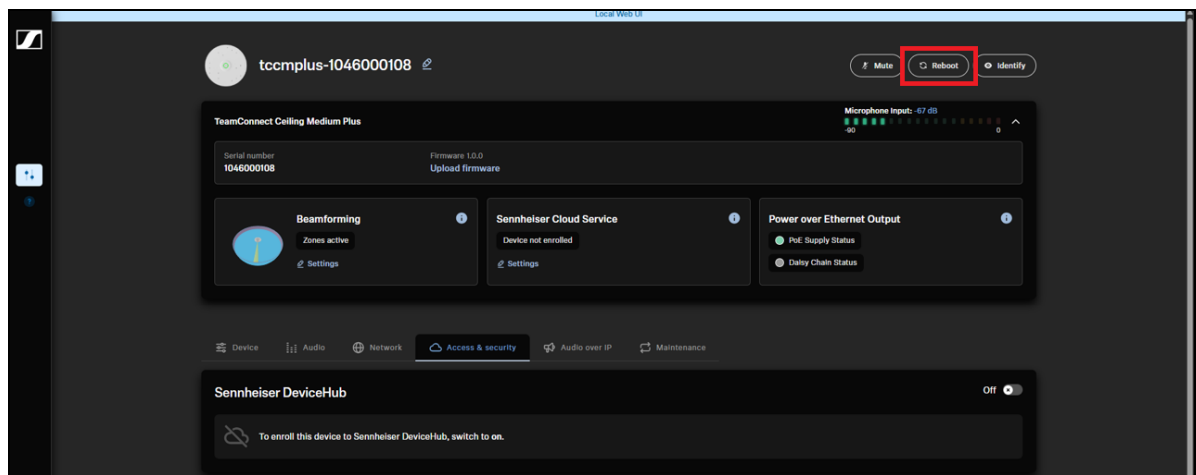
5. Select the drop-down next to **New:** within the AES67 Mode panel, then select **Enabled**. A confirmation window is displayed.



6. Select **Yes**. The microphone must then be restarted from its web UI (TCCM Plus) or Sennheiser Control Cockpit (TCCM).

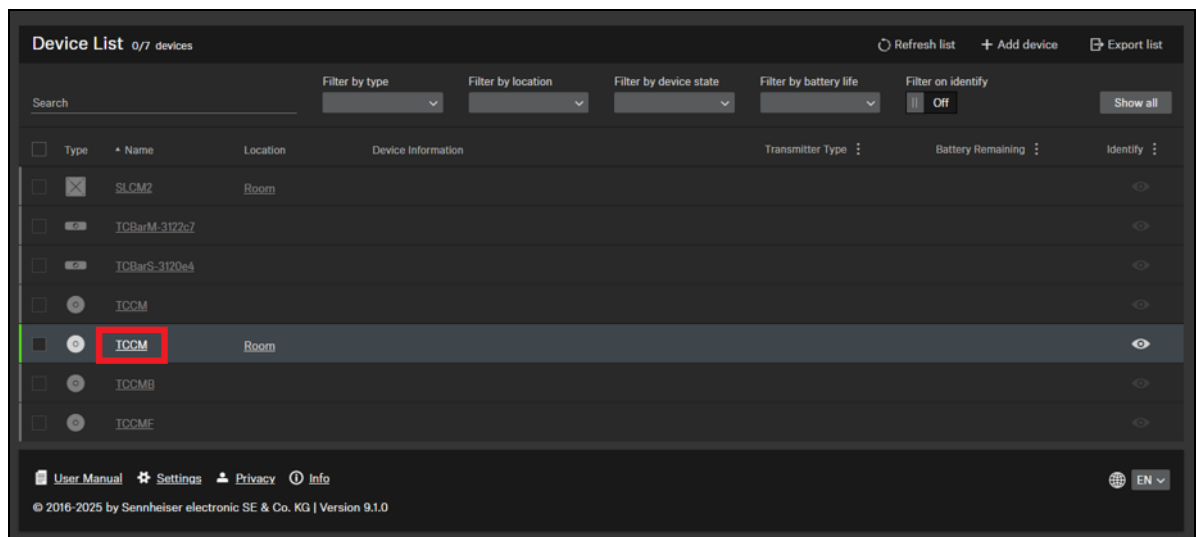
For the TCCM Plus:

- a. Log in to the device web UI and select **Reboot** from the top right of the interface.



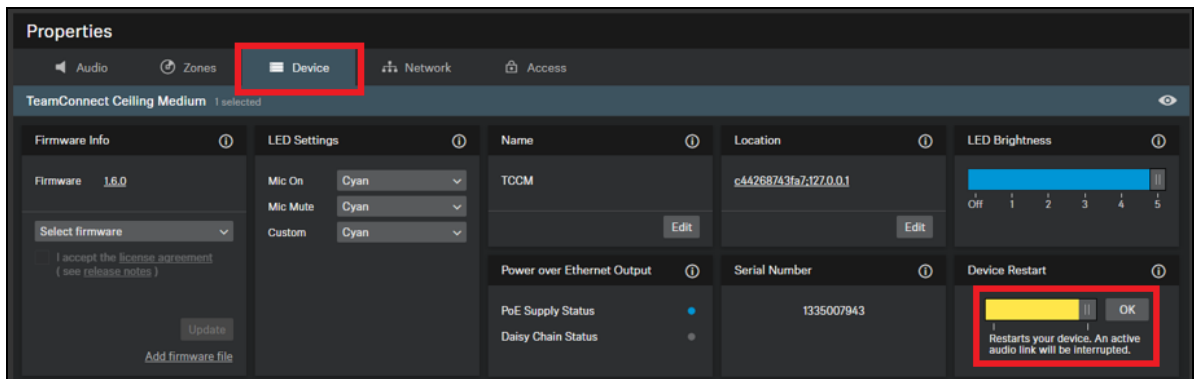
For the first-generation TCCM:

- a. Select the microphone from the **Device List** on the **Devices** tab.

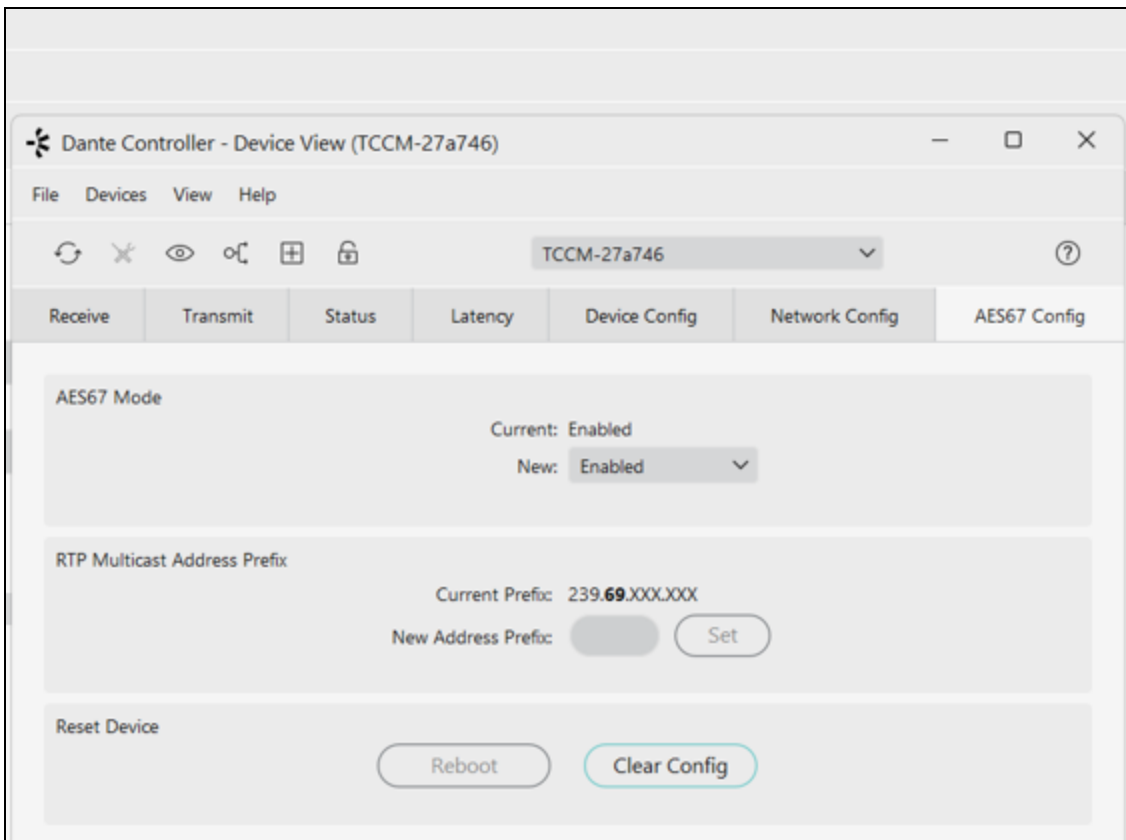


- b. Select the **Device** tab.

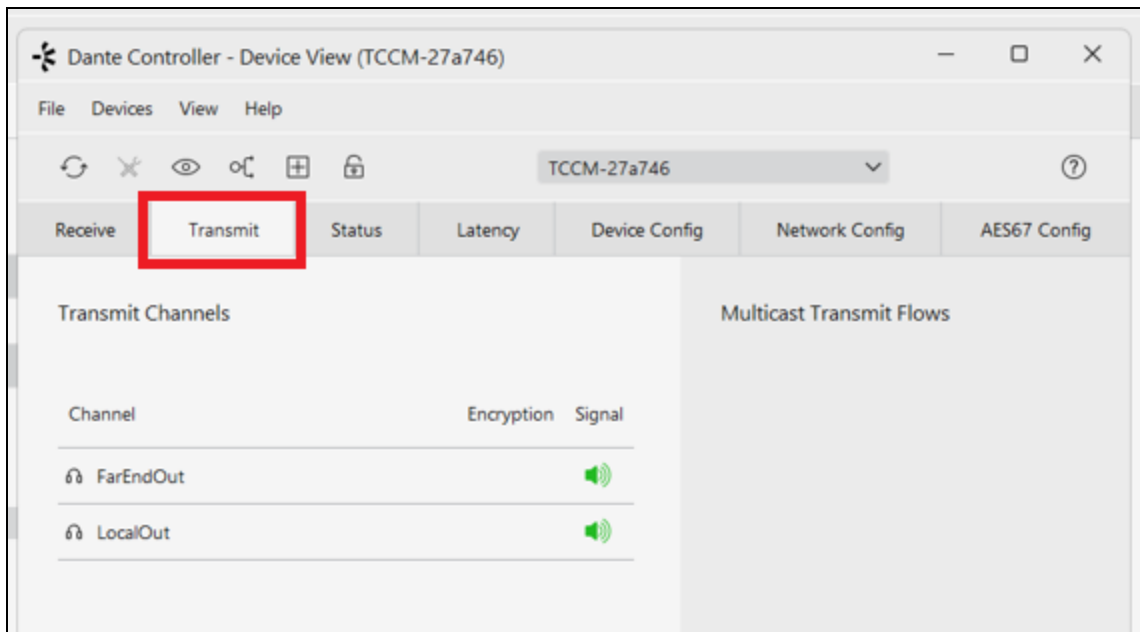
- c. Set the **Device Restart** toggle to the right position, then select **OK** to restart the microphone.



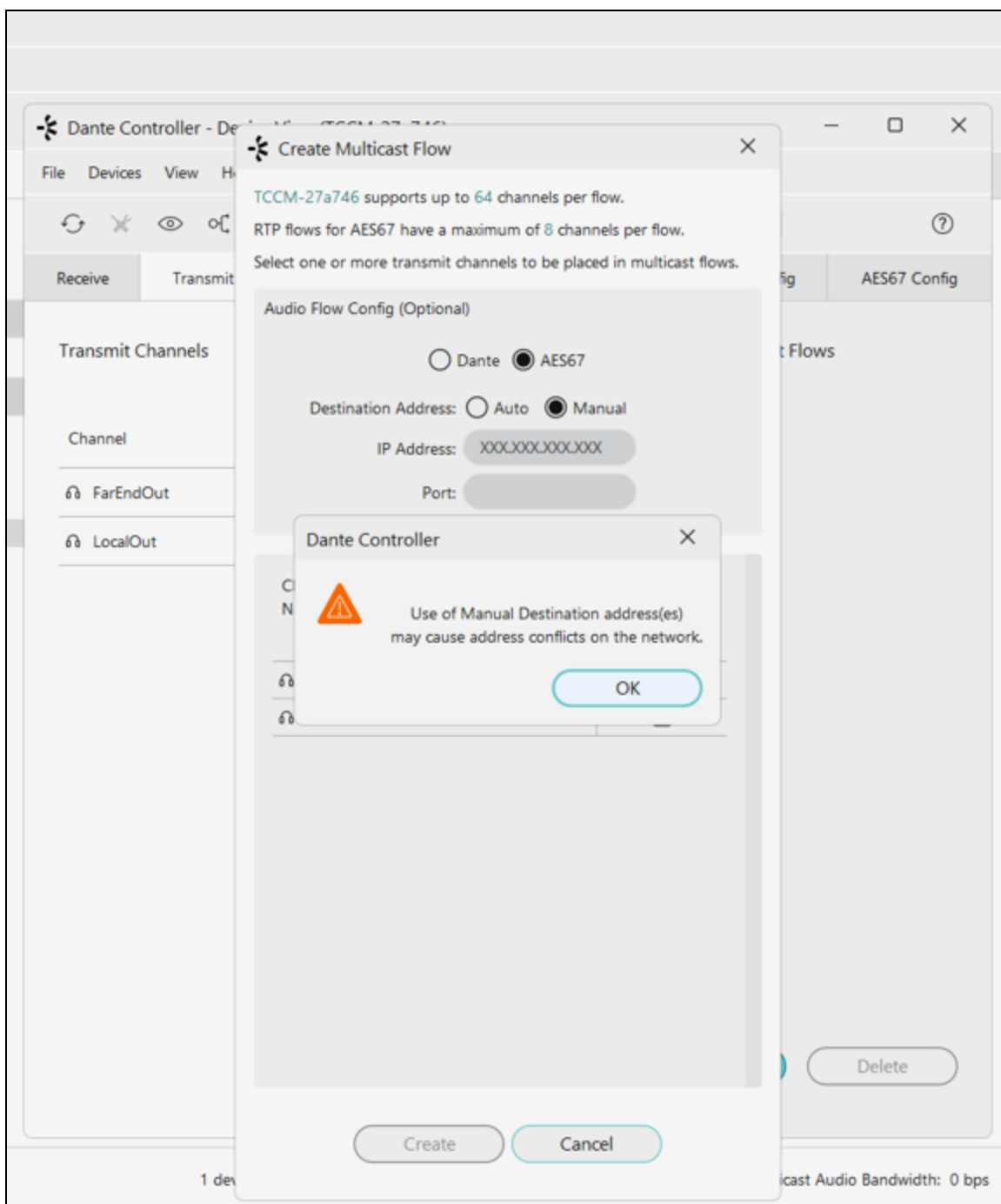
- d. Allow 45-60 seconds for the microphone to fully restart. You may need to refresh the device lists in the Control Cockpit and Dante Controller applications to see that the microphone is back online after the restart.
7. Return to the Dante Controller application and refresh the connection to the restarted microphone by selecting the refresh icon . Once reconnected to the microphone, the **RTP Multicast Address Prefix** panel will populate with a multicast address prefix. Leave this as is or enter a custom prefix in the **New Address Prefix** field if required by the network admin. If a new prefix was entered, select **Set** to apply the new prefix.



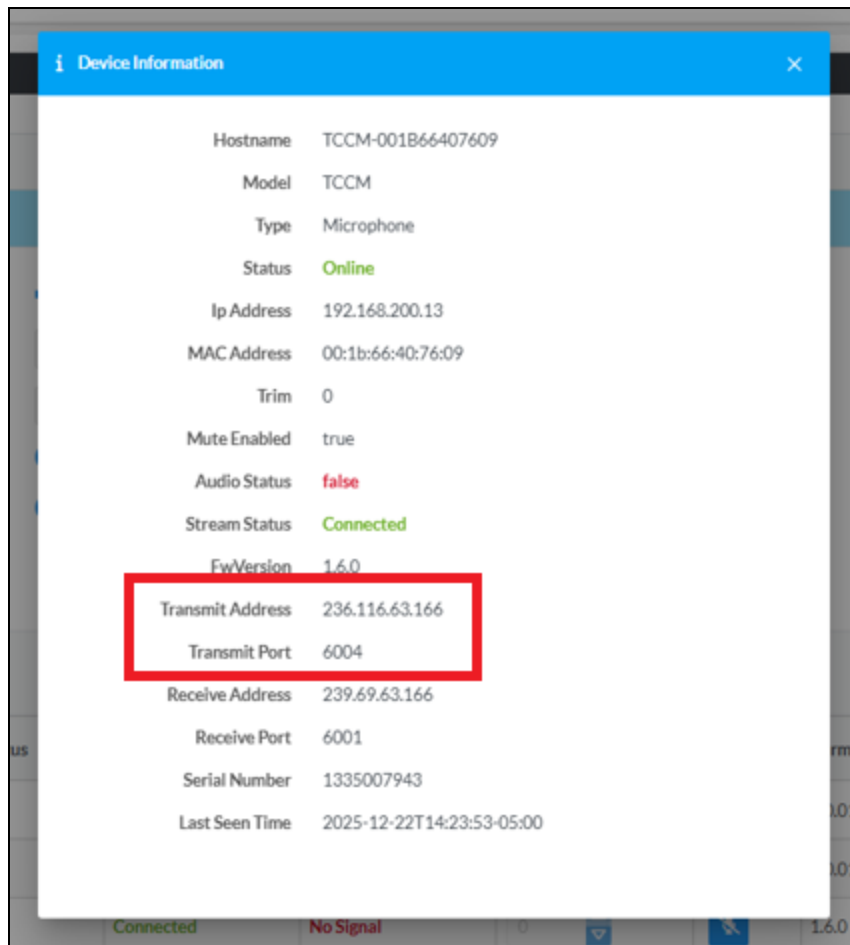
8. Select the **Transmit** tab.



9. Select the multicast flow icon  to create a new multicast flow. A **Create Multicast Flow** window is displayed.



10. Select the **AES67** radio button, then select the **Manual** radio button for **Destination Address**. When the confirmation window is displayed, select **OK**. The **IP Address** and **Port** fields are now accessible. The values for these fields have already been provisioned by the DM-NAX-AP-100. To access the values:
- Return to the DM-NAX-AP-100 web UI.
 - Select the **Settings** tab.
 - Select the **Audio** accordion.
 - Select the information icon  next to the microphone in the **More Details** column. A **Device Information** window is displayed.
 - Note the values listed for **Transmit Address** and **Transmit Port** in this window.



11. Return to the Dante Controller application. Enter the **Transmit Address** value in the **IP Address** field and the **Transmit Port** value in the **Port** field. Select the checkbox for **MainOut** (TCCM Plus) or **LocalOut** (TCCM) under the **Add to New Flow** column, then select **Create** to create the multicast flow.

This establishes the flow of audio from the microphone's output to the Intelligent Audio Processor.

Create Multicast Flow

TCCM-27a746 supports up to 64 channels per flow.
RTP flows for AES67 have a maximum of 8 channels per flow.
Select one or more transmit channels to be placed in multicast flows.

Audio Flow Config (Optional)

☐ Dante ☒ AES67

Destination Address: ☐ Auto ☒ Manual

IP Address: 236.116.63.166

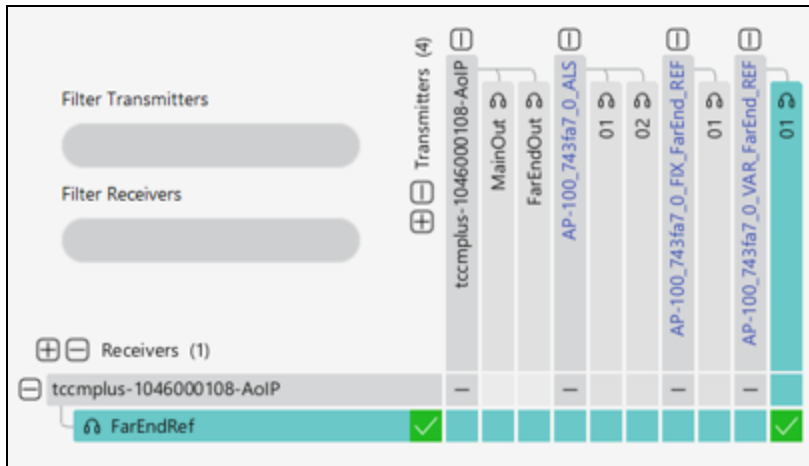
Port: 6004

Channel Name	Encryption Policy	Add to New Flow
FarEndOut		☐
LocalOut		☒

Create Cancel

12. Return to the Dante Controller routing matrix and expand the **Transmitters** and **Receivers** portions of the matrix.

- Select the crosspoint between the **01** transmit channel of the DM-NAX-AP-100 and the **FarEndRef** receive channel of the microphone. Once a green checkmark is displayed, routing is complete and audio is passing between the devices.



Perform a Test Call

With audio-over-IP traffic successfully routed between the ceiling microphone and the Intelligent Audio Processor, the device is ready for a test call. From the audio settings of your Microsoft Teams® device, select the DM-NAX-AP-100 as the audio device (which will enumerate as a Crestron Echo-Cancelling Speakerphone), then place a call.

Verify the following behavior:

- In-room audio is picked up by the microphone and heard by the other party on the call.
- Audio from the other party on the call is heard from the speakers.
- No acoustic echo is heard by the other party on the call.

NOTE: Ensure that the Microsoft Teams **Noise suppression** feature is enabled on your device.

Set the Time Zone

Use the **Date/Time** section of the **System Setup** accordion within the **Settings** tab to manage the time zone settings on the DM-NAX-AP-100.

To adjust the time zone:

1. Sign into the device web UI.
2. Select the **Settings** tab.
3. Expand the **System Setup** accordion.

4. Select the **Date/Time** tab.

Date/Time Cloud Settings Auto Update

— Date/Time

Synchronization

Time Synchronization ☒

Synchronize Now

NTP Time Servers

☐	Address	Port	Authentication Method	Authentication Key	Key ID
☐	pool.ntp.org	123	None	*****	0

Add Remove

Configuration

Time Zone (UTC-05:00) Eastern Time (US & Can) ▾

Date 07/08/2026

Time 13:25

5. To use a time server to synchronize the device time zone automatically (enabled by default):

- Set the **Time Synchronization** toggle to the right position to enable or left position to disable time synchronization. By default, time synchronization is enabled.
- In the **NTP Time Servers** table, enter the **Address** (URL) and **Port** of an NTP (Network Time Protocol) or SNTP (Simple Network Time Protocol) server.

If an **Authentication Method** other than **None** is selected (either **MD5**, **SHA1**, or **SHA256**), enter an **Authentication Key** and **Key ID** provided by the network administrator.

NOTE: Up to three time servers can be added on a device.

- Select **Synchronize Now** to perform time synchronization between the device's internal clock and the time server.

6. To set the time zone manually:

- Open the **Time Zone** drop-down to select the applicable time zone.
- In the **Date** field, enter the current date.
- In the **Time (24hr Format)** field, enter the current time in 24-hour format.

7. Select **Save Changes** to save the settings.

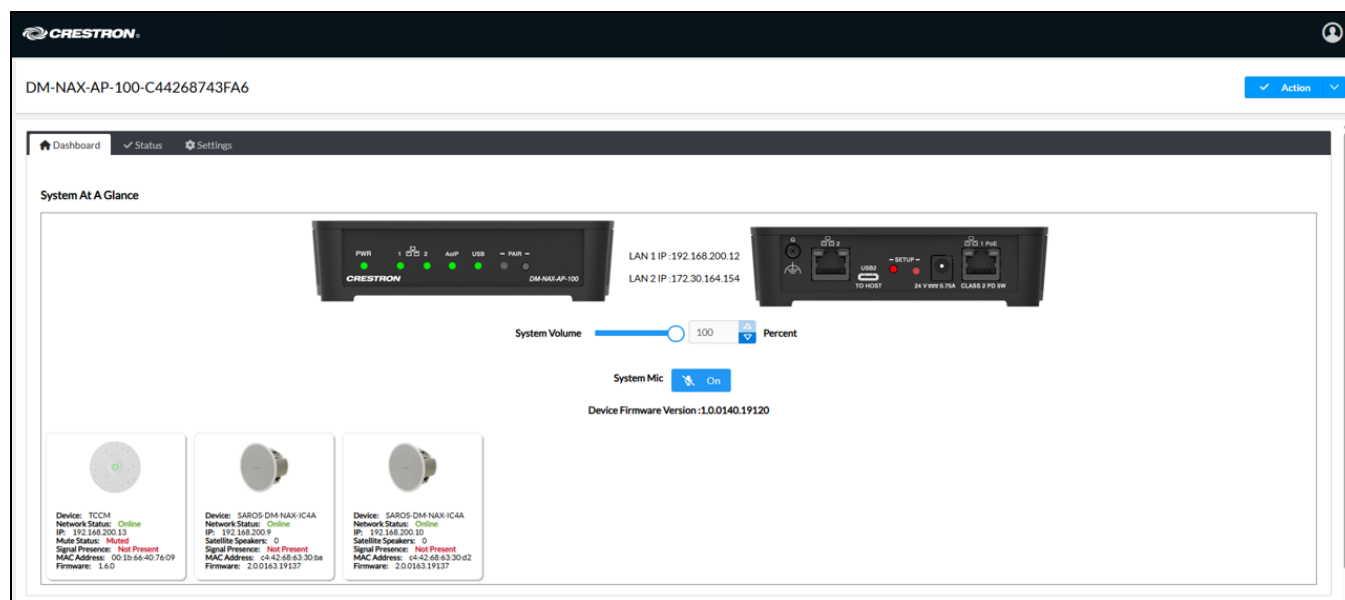
Web Configuration

The DM NAX® may be monitored and configured using its web configuration interface. The interface can be accessed via the device IP address as described in [Access the Web User Interface on page 41](#).

NOTES:

- This section covers the web interface of the DM-NAX-AP-100.
- For information on the web interface of the SAROS DM-NAX-IC4A-W, refer to the [SAROS DM-NAX-IC4A-W Product Manual](#). Once paired with a DM-NAX-AP-100 Intelligent Audio Processor, the web interface of the speaker will be disabled.
- The web interface of the DM-NAX-POD-MIC and DM-NAX-POD-MIC-SPK should only be used for firmware upgrades when not paired with a DM-NAX-AP-100 Intelligent Audio Processor. Refer to [Update Firmware on page 62](#) for information on updating firmware using the web interface. Once paired with a DM-NAX-AP-100 Intelligent Audio Processor, the web interface of the pod will be disabled.

The **Dashboard** tab is shown by default.



The web configuration interface provides the following tabs for navigating the interface:

- **Dashboard:** Used to view the full DM NAX Intelligent Audio system at a glance. Refer to [Dashboard on page 65](#).
- **Status:** Used to monitor device status. Refer to [Status on page 66](#).
- **Settings:** Used to configure device settings. Refer to [Settings on page 68](#).

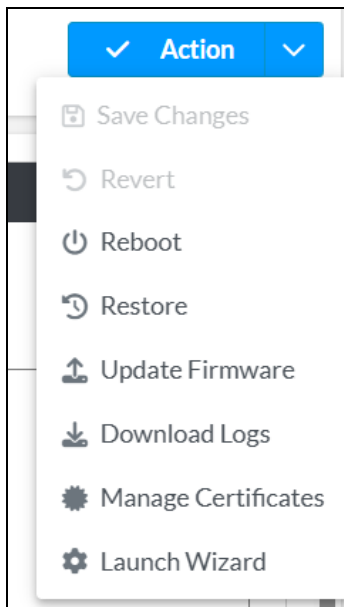
The following controls are also provided on the top right of the web configuration interface:

- Use the **Action** drop-down menu to perform various configuration actions. For more information, refer to [Action Menu on page 61](#).
- Select the profile button  to view the active device user and to sign out of the web configuration utility.

Each section of the web configuration interface is described in the sections that follow.

Action Menu

The **Action** menu is displayed at the top right side of the interface and provides quick access to common device functions:



- [Save Changes on page 61](#)
- [Revert on page 61](#)
- [Reboot on page 62](#)
- [Restore to Factory Default Settings on page 62](#)
- [Update Firmware on page 62](#)
- [Download Logs on page 63](#)
- [Manage Certificates on page 63](#)
- [Launch Wizard on page 64](#)

Save Changes

Select **Save Changes** to save any changes made to the configuration settings.

Revert

Select **Revert** to revert the device back to the last saved configuration settings.

Reboot

Certain changes to the settings may require the DM-NAX-AP-100 to be restarted to take effect. To restart the device:

1. Select **Reboot** in the **Action** menu. The **Reboot** confirmation box is displayed.
2. Select **Yes, Reboot Now** to restart the device.

Wait for the device restart to complete before attempting to reconnect to the device.

Restore to Factory Default Settings

CAUTION: This procedure should only be performed to recover an unresponsive device. Performing the restore procedure will clear certain device settings that cannot be recovered once the procedure is complete. Before proceeding, contact Crestron True Blue Support via phone, email or chat as described at www.crestron.com/support.

To restore the DM-NAX-AP-100 to factory default settings:

1. Select **Restore** in the **Action** menu. The **Restore** confirmation box is displayed.

NOTE: When settings are restored, all settings, including the network settings, will revert to the factory default. If a static IP address is set, restoring the device to factory default settings will revert the IP address to the default DHCP mode.

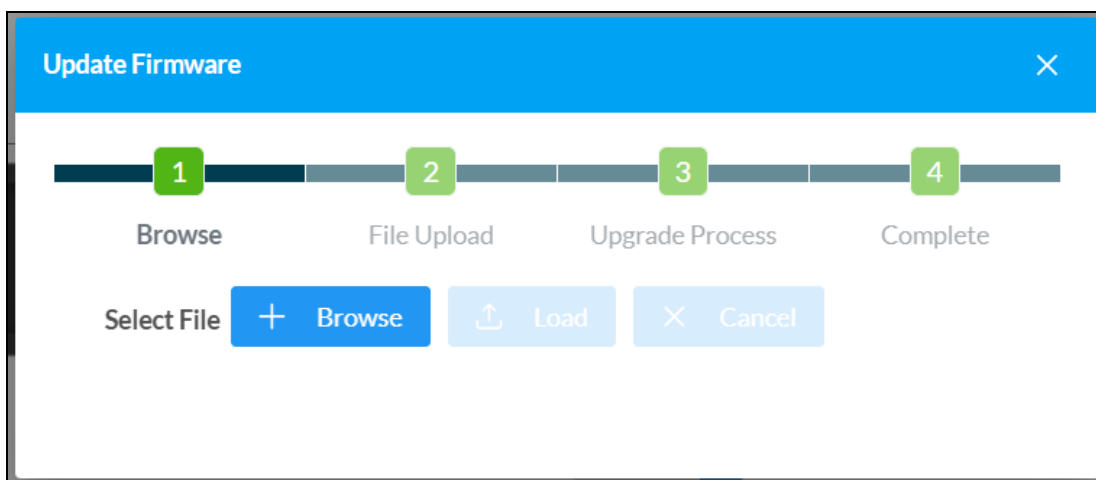
2. Select **Yes** to restore the DM-NAX-AP-100 to factory settings. Select **No** to cancel the restore operation.

If **Yes** was selected, after the restore completes, a message box is displayed indicating that the restore process was successful and that the device restarted.

Update Firmware

To update the device firmware:

1. Select **Update Firmware** in the **Action** menu. The **Update Firmware** message box is displayed.



2. In the **Firmware Upgrade** box, select **+ Browse**.

3. Locate and select the desired firmware file, then select **Open**. The selected firmware file name is displayed in the **Firmware Upgrade** box.
4. Select **Load** and wait for the progress bar to complete and for **OK** to become selectable.
5. Select **OK**. The device with new firmware can now be accessed.

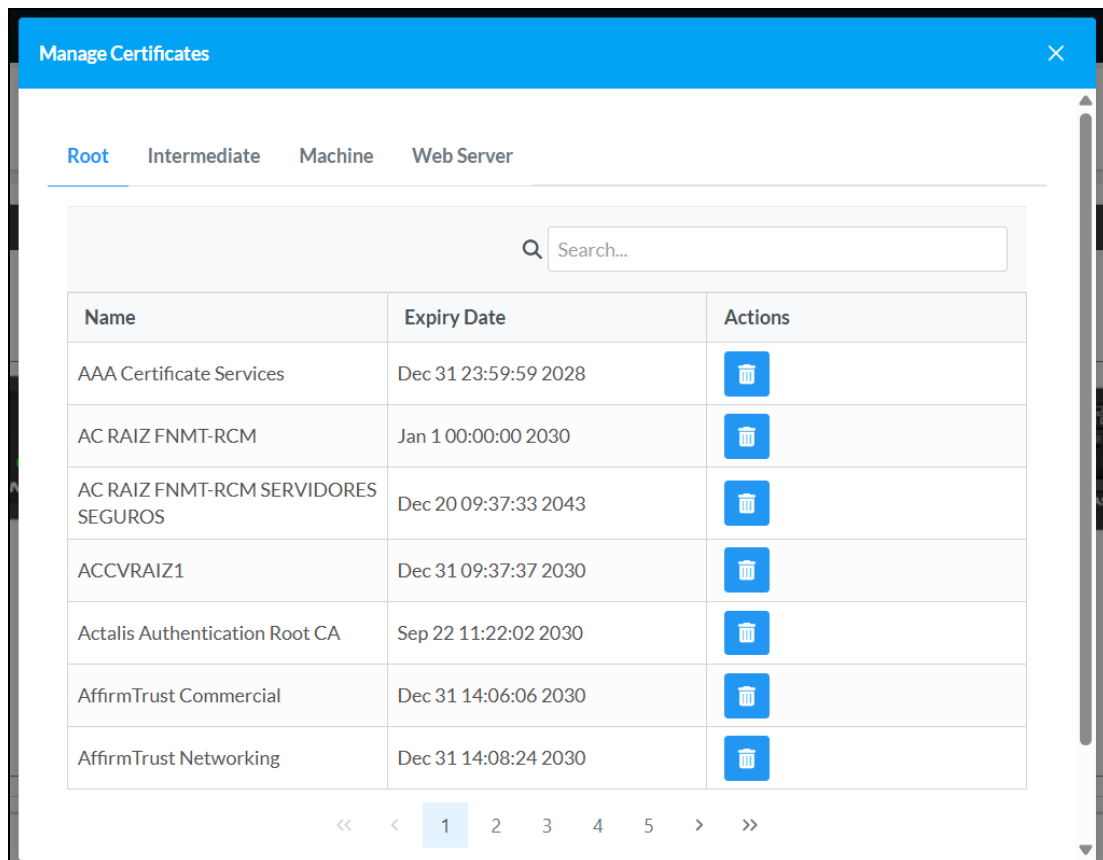
Download Logs

Select **Download Logs** in the **Action** menu to download the device message logs for diagnostic purposes.

The log file is downloaded to the Downloads folder of the accessing PC.

Manage Certificates

Select **Manage Certificates** to add, remove, and manage certificates used in 802.1X and other protected networks.



The following certificate tabs are displayed:

- **Root:** The Root certificate is used by the DM-NAX-AP-100 to validate the network's authentication server. The DM-NAX-AP-100 has a variety of Root certificates, self-signed by trusted CAs (Certificate Authorities) preloaded into the device. Root certificates must be self-signed.
- **Intermediate:** The Intermediate store holds non self-signed certificates that are used to validate the authentication server. These certificates will be provided by the network administrator if the network does not use self-signed Root certificates.

- **Machine:** The machine certificate is an encrypted PFX file that is used by the authentication server to validate the identity of the DM-NAX-AP-100. The machine certificate will be provided by the network administrator, along with the certificate password. For 802.1X, only one machine certificate can reside on the device.
- **Web Server:** The Web Server certificate is a digital file that contains information about the identity of the web server.

To add certificates:

1. Select the corresponding certificate tab.
2. Select **Add [Type] Certificate**.
3. Select **+ Browse**.
4. Locate and select the file, then select **Open**.

NOTE: If the certificate is a Machine Certificate, enter the password provided by the network administrator.

5. Select **OK**. This will add the certificate to the list box, displaying the file name and expiration date. The certificate is now available for selection and can be loaded to the device.

To delete certificates

1. Select the corresponding certificate tab.
2. Select the delete icon  in the **Actions** column to delete the certificate.
3. Select **Yes** when prompted to delete the certificate or **No** to cancel the deletion.

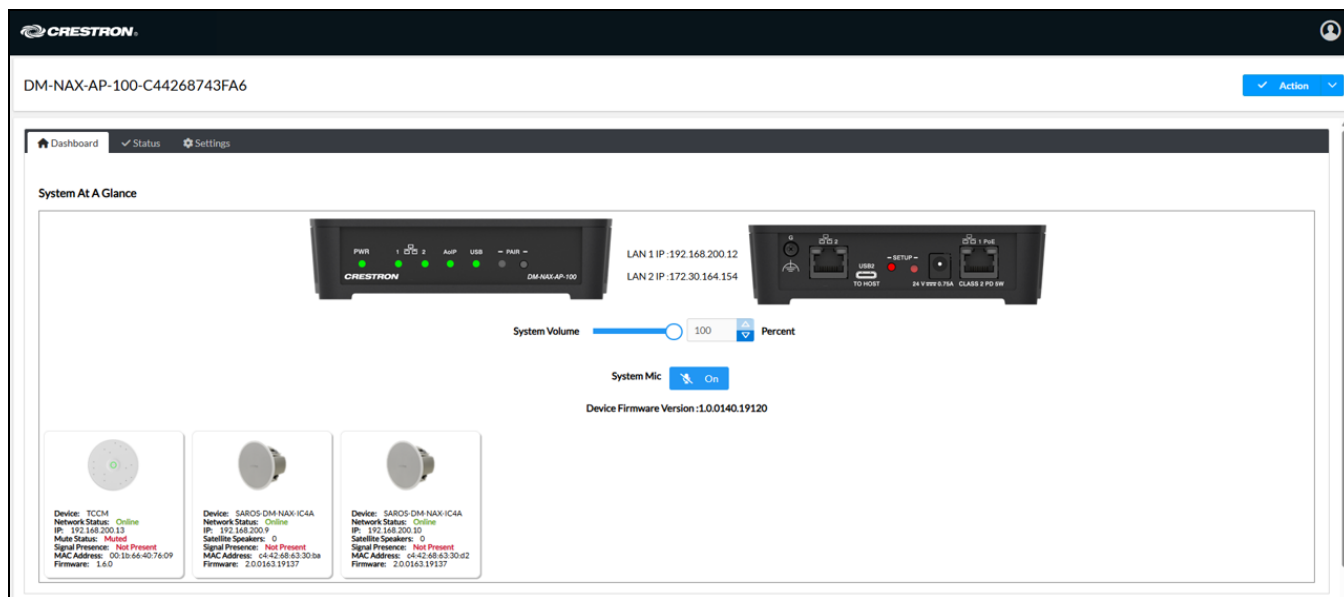
Launch Wizard

Use the **Launch Wizard** to perform initial device setup. Refer to [Launch Wizard on page 43](#).

Dashboard

The **Dashboard** page is the first page displayed when opening the interface of the DM-NAX-AP-100. It features a front and rear panel view of the device, basic status information on the DM-NAX-AP-100, any paired devices in the DM NAX Intelligent Audio system, and controls for **System Volume** and a **System Mic** mute.

The **Dashboard** page can be accessed at any time by selecting the **Dashboard** tab of the DM-NAX-AP-100 interface.



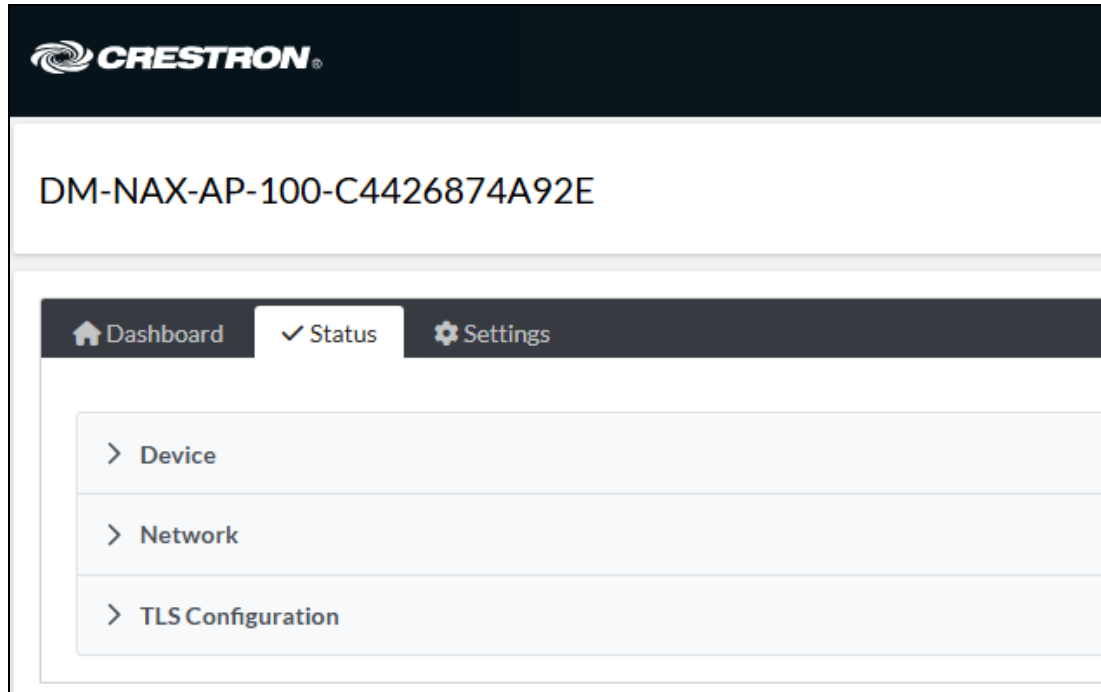
To use the controls on the **Dashboard** page:

- **System Volume:** Controls the playback level of audio from all paired speakers within the system. To set the **System Volume**, do one of the following:
 - Move the slider to the right to increase or to the left to decrease the volume.
 - Use the up/down arrows to increase or decrease the volume. Values range from 0% to 100%, adjustable in increments of 1%.
 - Manually enter a value in the text field.
- **System Mic:** Mutes all outgoing audio from paired microphones. Select the button to mute all microphone audio. The button turns blue while the microphone audio is muted. Select the button again to unmute the audio.

Status

The **Status** page displays general information about the DM-NAX-AP-100, current network settings, and TLS configuration.

The **Status** page can be accessed at any time by selecting the **Status** tab of the DM-NAX-AP-100 interface.



Information displayed on the **Status** tab is organized into collapsible accordions:

- [Device on page 67](#)
- [Network on page 67](#)
- [TLS Configuration on page 68](#)

Device

The **Device** accordion displays the **Model**, **Firmware Version**, and **Serial Number** of the DM-NAX-AP-100.

Device	
Model	DM-NAX-AP-100
Firmware Version	1.0.0140.19120
Serial Number	2544CRX04636
More Details	
DM-NAX-AP-100	1.0.0140.19120
Build	Dec 18 2025 (587219)
Updater	1.0.0140.19120
Bootloader	02.019.000
CCUI Version	16.0100.1020764
XIOSDK	3.8.2
IoTSDK	1.12.1
Build time	19:12:05
Product ID	0x7A15
Revision ID	0x0200

The **More Details** section displays additional information about the device.

Network

The **Network** accordion displays network-related information about the DM-NAX-AP-100, including the **Hostname**, **Domain Name**, and **DNS Servers**.

Network	
Hostname	DM-NAX-AP-100-C4426874A92E
Domain Name	lan
DNS Servers	192.168.1.1(DHCP)
Adapter 1	
DHCP	On
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Gateway	0.0.0.0
Link Active	true
MAC Address	c4.42.68.74.a9.2f

NOTE: By default, the host name of the DM-NAX-AP-100 consists of the model name followed by the MAC address of the device. For example: DM-NAX-AP-100-C4426874A92E.

Select **+ Adapter 1** or **+ Adapter 2** to display an expanded section that shows additional information regarding each network port on the device. Select **- Adapter 1** or **- Adapter 2** to collapse either section.

TLS Configuration

The **TLS Configuration** accordion contains information about the current TLS settings of the DM-NAX-AP-100.

The screenshot shows the 'TLS Configuration' section of a web interface. It features a light blue header with a dropdown arrow and the text 'TLS Configuration'. Below the header, there are two rows of settings: 'TLS Supported Versions' with a value of 'TLS1.2,TLS1.3' and 'Encrypt Connection' with a value of 'No'. A section titled 'Server Certificate Verifications' is expanded, showing three rows of settings: 'Disable trust list verification' with a value of 'Yes', 'Disable DNS host name verification' with a value of 'Yes', and 'Disable extended key usage verification' with a value of 'Yes'.

TLS Supported Versions	TLS1.2,TLS1.3
Encrypt Connection	No
— Server Certificate Verifications	
Disable trust list verification	Yes
Disable DNS host name verification	Yes
Disable extended key usage verification	Yes

TLS settings can be adjusted in the **Settings** tab under the **System Setup** accordion. Refer to [TLS Configuration on page 80](#) for information.

Settings

The **Settings** page enables you to configure the DM-NAX-AP-100 settings. The **Settings** page can be accessed at any time by selecting the **Settings** tab of the DM-NAX-AP-100 interface.

The screenshot shows the 'Settings' page of the DM-NAX-AP-100 interface. At the top, there is a dark grey navigation bar with three tabs: 'Dashboard' (with a house icon), 'Status' (with a checkmark icon), and 'Settings' (with a gear icon). Below the navigation bar, there is a list of settings categories, each with a right-pointing chevron icon: 'System Setup', 'Network', 'Audio', 'Telemetry', 'TLS Configuration', and 'Access Control'.

- > System Setup
- > Network
- > Audio
- > Telemetry
- > TLS Configuration
- > Access Control

The settings available on this page are organized into collapsible accordions:

- [System Setup on page 69](#)
- [Network on page 72](#)
- [Audio on page 76](#)
- [Telemetry on page 80](#)
- [TLS Configuration on page 80](#)
- [Access Control on page 81](#)

System Setup

The **System Setup** accordion contains settings for **Date/Time**, **Cloud Settings**, **Auto Update**, **Network**, and **802.1X Configuration**.

System Setup

Date/Time

Cloud Settings

Auto Update

Date/Time

Synchronization

Time Synchronization

Synchronize Now

NTP Time Servers

	Address	Port	Authentication Method	Authentication Key	Key ID
	pool.ntp.org	123	None		0

+ Add

- Remove

Configuration

Time Zone

(UTC-05:00) Eastern Time (US & Can

Date

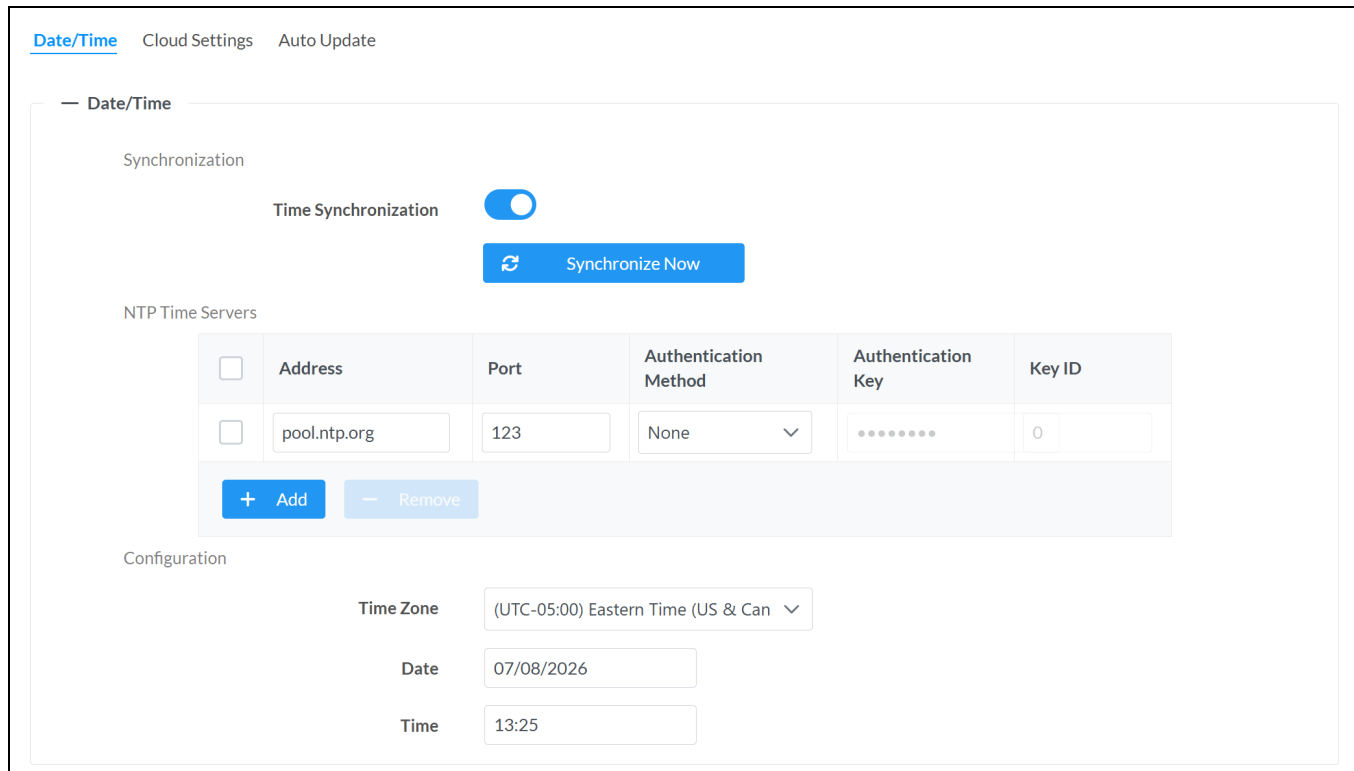
07/08/2026

Time

12:59

Date/Time

Use the **Date/Time** tab to configure the date and time settings of the DM-NAX-AP-100.



Date/Time Cloud Settings Auto Update

— Date/Time

Synchronization

Time Synchronization ☒

 Synchronize Now

NTP Time Servers

☐	Address	Port	Authentication Method	Authentication Key	Key ID
☐	pool.ntp.org	123	None		0

 Add  Remove

Configuration

Time Zone (UTC-05:00) Eastern Time (US & Can) ▼

Date 07/08/2026

Time 13:25

The following settings are available:

- Set the **Time Synchronization** toggle to the right position to enable or left position to disable time synchronization. By default, time synchronization is enabled.
- In the **NTP Time Servers** table, enter the **Address** (URL) and **Port** of an NTP (Network Time Protocol) or SNTP (Simple Network Time Protocol) server.

If an **Authentication Method** other than **None** is selected (either **MD5**, **SHA1**, or **SHA256**), enter an **Authentication Key** and **Key ID** provided by the network administrator.

NOTE: Up to three time servers can be added on a device.

- Select **Synchronize Now** to perform time synchronization between the device's internal clock and the time server.
- Open the **Time Zone** drop-down to select the applicable time zone.
- In the **Date** field, enter the current date.
- In the **Time (24hr Format)** field, enter the current time in 24-hour format.

Cloud Settings

[Date/Time](#) [Cloud Settings](#) [Auto Update](#)

— Cloud Settings

Cloud Configuration Service Connection ☒

Set the **Cloud Settings** toggle to the right position to allow the DM-NAX-AP-100 to communicate with the XiO Cloud® provisioning and management service. This setting is enabled by default.

Auto Update

The DM-NAX-AP-100 can automatically check for and install firmware updates at scheduled intervals via the **Auto Update** feature.

[Date/Time](#) [Cloud Settings](#) [Auto Update](#)

— Auto Update

Auto Update ☒

Custom URL ☐

Custom URL Path

Schedule

Day of Week

Daily

Time of Day

02:30

Poll Interval

0

 Minutes

Update Now

Product Manual — Doc. 9533A

DM NAX® • 71

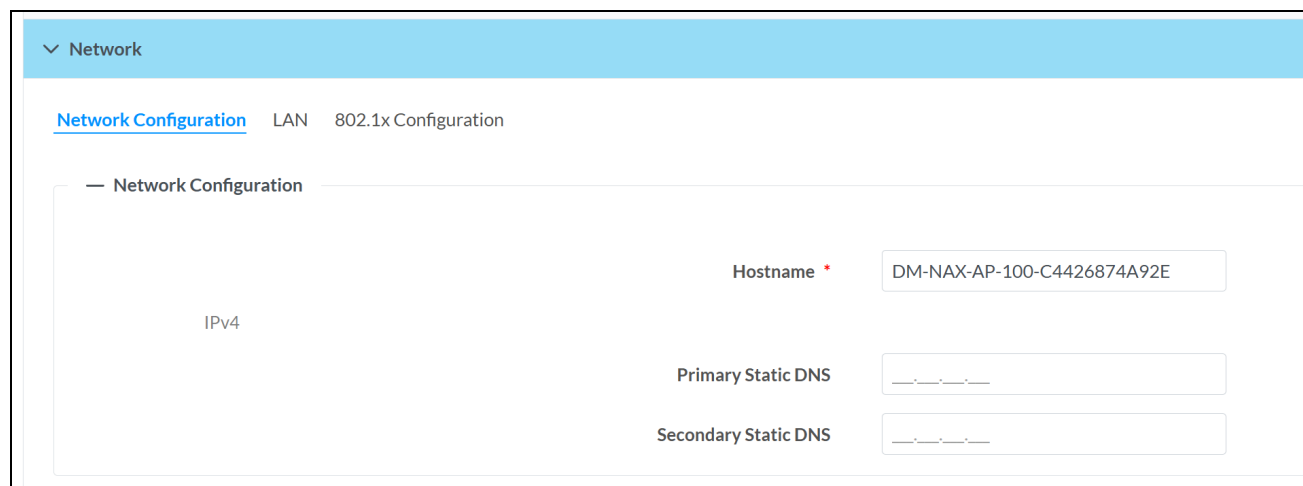
To configure the **Auto Update** feature:

1. Set the **Auto Update** toggle to the right position to enable automatic updates.
2. Define the URL to download the updates by doing either of the following:
 - Use the default URL to download the updates from the Crestron server.
 - Use a custom URL:
 - a. Set the **Custom URL** toggle to the right position to use a custom URL.
 - b. In the **Custom URL Path** text box, enter the path to a custom manifest file in the FTP or SFTP URL format.
 - c. Use the Crestron Auto Update Tool within Crestron Toolbox software to generate a custom manifest file.
 - d. Store the file on an FTP (File Transfer Protocol) or SFTP (Secure File Transfer Protocol) server at the address specified in step 2.
3. Set a schedule for the automatic firmware update by doing either of the following:
 - Select the desired **Day of Week** and **Time of Day** (24-hour format) values.
 - Set the **Poll Interval** by entering a value from 60 to 65535 minutes. A value of 0 disables the **Poll Interval**.
4. Select **Save Changes**.

Selecting **Update Now** causes the device to check for a firmware update immediately. If a schedule was set in step 4 above, that schedule still remains in effect.

Network

Use the **Network** accordion to configure the network settings of the audio processor.



The screenshot shows the 'Network' accordion expanded, with the 'Network Configuration' tab selected. The page has a light blue header with a dropdown arrow and the text 'Network'. Below the header, there are three tabs: 'Network Configuration' (active), 'LAN', and '802.1x Configuration'. The main content area is titled 'Network Configuration' and contains a 'IPv4' section. Within this section, there are three rows of configuration fields: 'Hostname' with a red asterisk and a text box containing 'DM-NAX-AP-100-C4426874A92E'; 'Primary Static DNS' with a text box containing five underscores; and 'Secondary Static DNS' with a text box containing five underscores.

The **Network** accordion is organized into several tabs:

- [Network Configuration on page 73](#)
- [LAN on page 74](#)
- [802.1x Configuration on page 75](#)

Network Configuration

Use the **Network Configuration** tab to configure the device hostname and DNS servers:

- Enter a hostname in the **Hostname** field. By default, the hostname of the device consists of the model name followed by the MAC address of the device. For example, **DM-NAX-AP-100-C4426874A92E**.
- Enter a DNS server address in the **Primary Static DNS** text field.
- Enter an additional DNS server address in the **Secondary Static DNS** text field.

[Network Configuration](#) LAN 802.1x Configuration

— Network Configuration

IPv4

Hostname *

DM-NAX-AP-100-C4426874A92E

Primary Static DNS

— · — · — · —

Secondary Static DNS

— · — · — · —

LAN

Use the **LAN** tab to configure the domain and IP address of the LAN port of the audio processor.

Network Configuration LAN 802.1x Configuration

— LAN

IPv4

Domain

lan

DHCP Enabled

☒

IP Address

192.168.1.39

Subnet Mask

255.255.255.0

Default Gateway

192.168.1.1

Enter a domain in the **Domain** text field.

Set the **DHCP** toggle to the right to enable DHCP or to the left to disable DHCP. This setting specifies whether the IP address of the audio processor is to be assigned by a DHCP (Dynamic Host Configuration Protocol) server.

- **Enabled:** When DHCP is enabled (default setting), the IP address of the audio processor is automatically assigned by a DHCP server on the local area network (LAN).
- **Disabled:** When DHCP is disabled, manually enter information in the following fields:
 - **IP Address:** Enter a unique IP address for the audio processor.
 - **Subnet Mask:** Enter the subnet mask that is set on the network.
 - **Default Gateway:** Enter the IP address that is to be used as the network's gateway.

802.1x Configuration

The audio processor has built-in support for the [802.1x standard](#), allowing communication with the authentication server and access to protected corporate networks.

The screenshot shows the '802.1x Configuration' tab in a web interface. At the top, there are navigation links: 'Network Configuration', 'LAN', and '802.1x Configuration'. Below the tab header, the '802.1x Configuration' section contains several settings:

- IEEE 802.1x Authentication:** A toggle switch that is currently turned off.
- Authentication Method:** A dropdown menu with 'EAP-TLS Certificate' selected.
- Disable Trust List Verification:** A toggle switch that is currently turned on.
- Select Trusted Certificate Authoritie(s) *:** A search box with a magnifying glass icon. Below it is a list of certificate authorities: 'AAA Certificate Services', 'AC RAIZ FNMT-RCM SERVIDORES SEGUROS', 'AC RAIZ FNMT-RCM', 'ACCVRAIZ1', 'ANF Secure Server Root CA', and 'Actalis Authentication Root CA'. To the right of the list, a message says 'Please select a maximum of 5'.

To configure 802.1x authentication on the audio processor:

1. Set the **IEEE 802.1x Authentication** toggle to the right to enable 802.1x. This will enable all remaining options in the **802.1x Configuration** tab.
2. Select an option from the **Authentication Method** drop-down: **EAP-TLS Certificate** or **EAP-MSCHAP V2 Password** according to a network administrator's direction.
3. Do one of the following:
 - If **EAP-TLS Certificate** was selected: Select **Manage Certificates** from the **Action** menu to upload the required machine certificate. The machine certificate is an encrypted file that will be supplied by a network administrator along with a certificate password.
 - If **EAP-MSCHAP V2 Password** was selected: Enter a username and password supplied by a network administrator into the **Username** and **Password** fields. This method does not require the use of a machine certificate, only credentials.

- Set the **Disable Trust List Verification** toggle to the left to enable the **Select Trusted Certificate Authoritie(s)** list or set it to the right to disable the list.

The **Select Trusted Certificate Authoritie(s)** list contains signed trusted Certificate Authorities (CAs) preloaded into the audio processor. Select the check box next to each CA whose certificate can be used for server validation, as specified by a network administrator.

If the network does not use any of the listed certificates, the network administrator must provide a certificate, which must be uploaded manually via the **Manage Certificates** function in the **Action** menu.

Once the 802.1x settings are configured as desired, select **Save Changes** to save the changes to the device and restart it. Select **Revert** from the **Action** menu to cancel any changes.

Audio

Select the **Audio** accordion to access system-level audio controls, adjust the audio or pairing settings for individual system components, and add newly discovered devices to the system.

The screenshot displays the 'Audio' section of a management interface, specifically the 'General Settings' tab. At the top, there are controls for 'System Volume' (a slider set to 50%), 'System Mic Mute' (a red 'Muted' button), and 'Device Firmware Version' (2.1.0139.16563). Below these are buttons for 'Upgrade All', 'Locate All', and 'Unpair All'. The main area contains two tables: 'Paired Devices' and 'Discovered Devices'. The 'Paired Devices' table has columns for Device, Device HostName, Dante HostName, IP Address, Device Status, Media Status, Audio Status, Trim, Mic Mute, Firmware Version, Upgrade Status, Firmware Upgrade, Locate, Unpair/Remove, and More Details. One device is listed: SAROS-DM-NAX-IC4A-C442683FEFED, with status 'Offline' and 'No Signal'. The 'Discovered Devices' table has columns for Device, Hostname, Model, Serial Number, IP Address, MAC Address, Type, Firmware Version, Pairing, and Locate. It shows 'No records found'.

The **Audio** accordion is divided into two tabs:

- [General Settings on page 76](#)
- [Advanced on page 78](#)

General Settings

Five system-level controls are available within the **General Settings** tab above the **Paired Devices** table:

- **System Volume:** Controls the playback level of audio from all paired speakers within the system. To set the **System Volume**, do one of the following:
 - Move the slider to the right to increase or to the left to decrease the volume.
 - Use the up/down arrows to increase or decrease the volume. Values range from 0% to 100%, adjustable in increments of 1%.
 - Manually enter a value in the text field.
- **System Mic Mute:** Mutes all outgoing audio from paired microphones. Set the toggle to the right to mute or to the left to unmute all microphone audio.
- **Upgrade All:** Select **Upgrade All** to push firmware updates to all paired devices.

- **Locate All:** Select **Locate All** to activate the locate LED sequence of the indicators on all paired devices.
- **Unpair All:** Select **Unpair All** to unpair all devices shown in the **Paired Devices** table.

The **Paired Devices** table shows all currently paired devices in the DM NAX Intelligent Audio system, along with status information, controls for level trim (speakers) and mute (microphones), as well as buttons for upgrading firmware, locating a device, unpairing a device, or viewing more detailed device information:

- **Trim:** Attenuates the audio playback level at a given speaker. To set the **Trim**, do one of the following:
 - Use the up/down arrows to increase or decrease the trim level.
 - Manually enter a value in the text field.
- **Mute:** Mutes the corresponding microphone. Select the mute icon to mute the microphone. While muted, the icon turns blue. Select it again to unmute the microphone.
- **Firmware Upgrade:** Select the icon to push a firmware update to the corresponding device.
- **Locate:** Select the icon to activate the locate LED sequence of the indicators on the corresponding device. Select the icon again to disable the locate LED sequence.
- **Unpair/Remove:** Select the icon to remove the device from the DM NAX Intelligent Audio system.
- **More Details:** Select the icon to view a pop-up window with further status information for the corresponding device.

The **Discovered Devices** table shows any devices discovered on the audio-over-IP network that have not yet been paired with the DM-NAX-AP-100.

To pair a discovered device, select the icon in its row of the **Pairing** column.

NOTE: Some devices, such as the Sennheiser TeamConnect Ceiling Microphone, require initial set-up before they can be paired with the DM-NAX-AP-100. Refer to [Pair Ceiling Microphones on page 44](#) for instructions.

Advanced

Use the **Advanced** tab to configure additional settings related to paired devices and to view audio stream information.

Configure the settings for paired microphones under **Microphone Controls**:

- **Mic Level Attenuation:** Controls the attenuation applied to all microphone input signals in the system. To set the **Mic Level Attenuation**, do one of the following:
 - Use the up/down arrows to increase or decrease the attenuation. Values range from -5 dB to 0 dB, adjustable in increments of 0.1 dB.
 - Manually enter a value in the text field.
- **Mic Delay:** Controls the amount of delay applied to the microphone signal before passing it to the connected conferencing solution. Use this function to synchronize the outgoing audio with an outgoing video signal. To set the **Mic Delay**, do one of the following:
 - Use the up/down arrows to increase or decrease the delay. Values range from 0 to 500 ms, adjustable in increments of 1 ms.
 - Manually enter a value in the text field.
- **Mic Mute Grouping:** Enables or disables the **Mic Mute Grouping** feature. Set the toggle to the right to enable or to the left to disable **Mic Mute Grouping**. With this feature enabled, multiple microphones can be grouped to mute at the same time via the **Paired Devices** table.

Configure the settings specific to paired pods (DM-NAX-POD-MIC or DM-NAX-POD-MIC-SPK) under **POD Control**:

- **Handset Buttons:** Set the toggle to the right to enable or to the left to disable the capacitive handset button on any paired DM-NAX-POD devices.
- **Noise Reduction Level on PODs:** Select an option from the drop-down list to set the amount of noise reduction performed on any paired DM-NAX-POD devices. The options are **Low**, **Medium**, **High**, and **AI**.

TIP: The **AI** option intelligently determines the best level of noise reduction based on current audio conditions. **AI** is selected by default and recommended for best performance.

The **Reference Audio Stream** section contains read-only fields for the multicast address and port values of the outgoing reference audio streams:

- The first two fields are the address and port value for a variable level reference stream. This is the stream referenced by paired AoIP microphones.
- The last two fields are the address and port value for a fixed level reference stream. To use these values to connect the audio processor to an intelligent video camera, reference to [Knowledge Article 3314](#).

NOTE: These multicast addresses and ports are assigned automatically based on device MAC addresses.

Use the **Stream for Assistive Listening** section to enable or disable an additional audio-over-IP stream for networked assistive listening devices:

- Set the **Two Channel Stream for Assistive Listening** toggle to the right to enable the additional stream.
- Copy the **Stream Address for Assistive Listening** value and the **Stream Port for Assistive Listening** value into the settings of the networked assistive listening device.

NOTE: This multicast addresses is assigned automatically based on device MAC addresses.

Telemetry

Use the **Telemetry** accordion to send directional audio data to Crestron Automate VX intelligent video software.

▼ Telemetry

Direction of Arrival Server

☒

Port *

8443

▲▼

Authentication Token

i28HgyJZetpnRsjB

Reset Token

To use this feature:

1. Set the **Direction of Arrival Server** toggle to the right to enable transmission of the directional audio data.
2. Set the **Port** or use the default value of **8443**.
3. Copy the **Port** value and the **Authentication Token** into the Automate VX software.

To create a new token, select **Reset Token**.

To disable this feature, set the **Direction of Arrival Server** toggle to the left. The telemetry feature is enabled by default.

TLS Configuration

Select the **TLS Configuration** accordion to adjust Transport Layer Security (TLS) settings for the audio processor.

▼ TLS Configuration

TLS Supported Versions

TLS 1.2 & TLS 1.3

▼

Encrypt Connection

☐

Server Certificate Verifications

Disable trust list verification

☒

Disable DNS host name verification

☒

Disable extended key usage verification

☒

Configure the following TLS settings as required by the network administrator:

- Select a TLS version from the **TLS Supported Versions** drop-down from **TLS 1.2**, **TLS 1.2 & TLS 1.3**, and **TLS 1.3**.
- Set the **Encrypt Connection** toggle to the right to use TLS to encrypt the connection between the DM NAX device and a Crestron control system. Set the toggle to the left to keep this connection unencrypted.
- Set the **Disable trust list verification** toggle to the right to disable trust list verification. Set this toggle to the left to allow trust list verification.
- Set the **Disable DNS host name verification** toggle to the right to disable DNS host name verification. Set this toggle to the left to allow DNS host name verification.
- Set the **Disable extended key usage verification** toggle to the right to disable extended key usage verification. Set this toggle to the left to allow extended key usage verification.

Select **Save Changes** to save the new settings or select **Revert** from the **Action** menu to discard these changes.

Access Control

Select the **Access Control** accordion to configure security settings for users and groups, and to allow different levels of access to the audio processor's functions.

The screenshot shows the 'Access Control' section of a web interface. At the top is a blue header with a dropdown arrow and the text 'Access Control'. Below this is a navigation bar with three tabs: 'Current User' (selected, with a blue circle icon), 'Users' (with a group of people icon), and 'Groups' (with a document icon). The main content area is titled 'Current User' and contains a table with the following information:

Name	username
Access Level	Administrator
Active Directory User	No
Groups	Administrators

At the bottom right of the table is a blue button with a key icon and the text 'Change Password'.

The **Access Control** accordion is divided into different tabs:

- [Current User on page 81](#)
- [Users on page 82](#)
- [Groups on page 84](#)

Current User

Select the **Current User** tab to view read-only information or to change the password for the current user.

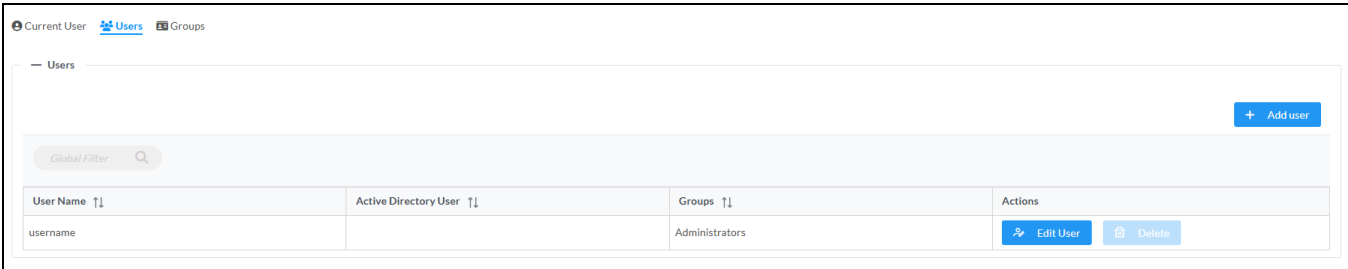
To create a new password for the current user:

1. Select **Change Password**. The **Change Password** box is displayed.
2. Enter the current password in the **Current Password** field, the new password in the **Password** field, and then re-enter the same new password in the **Confirm Password** field.
3. Select **OK** to save or select **Cancel** to cancel the changes.

Select the **Users** tab to view and edit user settings. The **Users** tab can be used to add or remove local and Active Directory® software users and preview information about them.

Users

Select the **Users** tab to view and edit user settings. The **Users** tab can be used to add or remove local and Active Directory users and preview information about them.



Use the **Search Users** field to enter search term(s) and display users that match the search criteria.

If users listed in the **Users** table span across multiple pages, navigate through the list of users by selecting a page number or by using the left or right arrows at the bottom of the **Users** pane to move forward or backward through the pages.

Each page can be set to display 5, 10, or 20 users by using the drop-down to the right of the navigation arrows.

Information about existing users is displayed in table format, with the following details provided for each user:

- **Username:** Displays the name of the user.
- **Active Directory User:** Displays whether the user requires authentication using Active Directory.
- **Groups:** Displays any groups the user has been added to.

Select the corresponding icon in the **Actions** column to change a given user's password, edit their account information, or delete their account.

To create a new user, select **Add user**.

Create a New Local User

To create a new local user account for the DM-NAX-AP-100:

1. Select **Add user** in the **Users** tab. The **Add user** box is displayed.
2. Enter the following:
 - a. Enter a user name in the **Name** field. A valid user name can consist of alphanumeric characters (letters a-z, A-Z, numbers 0-9) and the underscore "_" character.
 - b. Enter a password in the **Password** field; re-enter the same password in the **Confirm Password** field.
 - c. Assign the access level by selecting one or more groups from the **Groups** drop-down list.

NOTE: Ensure that the **Active Directory User** toggle is disabled.

3. Select **OK** to save or select **Cancel** to cancel the changes.

Add an Active Directory User

Users cannot be created or removed from the Active Directory server, but access can be granted to an existing user in the Active Directory server.

To grant access to an Active Directory user, you can either add the user to a local group on the DM-NAX-AP-100, or add the Active Directory group(s) that they are a member of to the DM-NAX-AP-100.

To add an Active Directory user:

1. Select **Add user**. The **Add user** box is displayed.
2. Enter the following:
 - a. Enter a user name in the **Name** field in the format "Domain\UserName", for example "crestronlabs.com\JohnSmith". Valid user names can contain alphanumeric characters (letters a-z, A-Z, numbers 0-9) and the underscore "_" character.
 - b. Select one or more groups from the **Groups** drop-down list.

NOTE: Ensure that the Active Directory User toggle is set to enabled.

3. Select **OK** to save or select **Cancel** to cancel the changes.

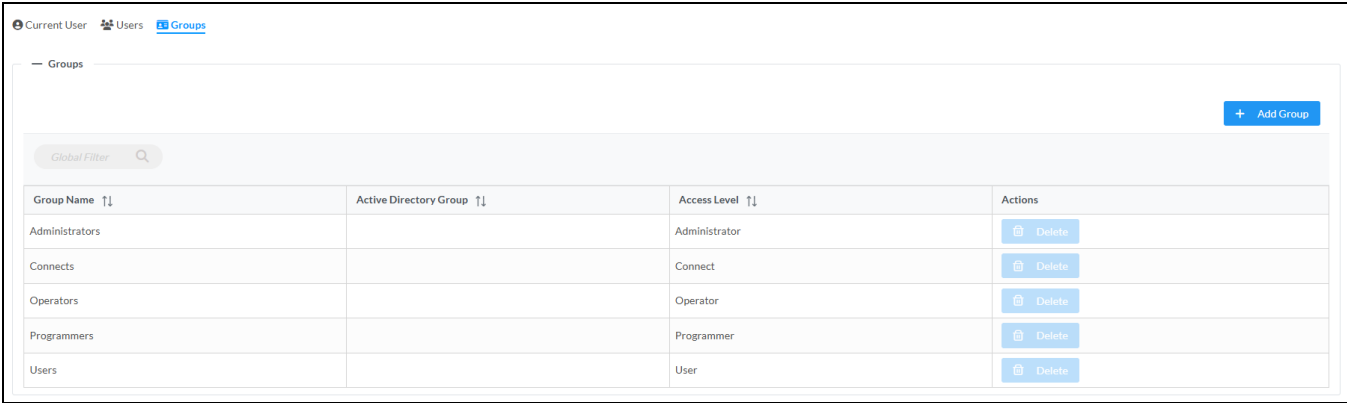
Delete a User

Select the delete icon  in the **Actions** column to delete the user. Select **Yes** when prompted to delete the user or **No** to cancel the deletion.

After a user is removed from a group, they lose any access rights associated with that group. Deleting a user from a group does not delete the user account from the device.

Groups

Select the **Groups** tab to view and edit group settings. The **Groups** tab can be used to add local and Active Directory groups, remove local and Active Directory groups, and preview information about a group.



Use the **Search Groups** field to enter search term(s) and display groups that match the search criteria. If groups listed in the **Groups** table span across multiple pages, navigate through the groups by selecting a page number or by using the left or right arrows at the bottom of the **Groups** pane to move forward or backward through the pages. Additionally, each page can be set to display 5, 10, or 20 groups by using the drop-down to the right of the navigation arrows.

Existing groups are displayed in a table and the following information is provided for each group:

- **Group Name:** Displays the name of the group.
- **Active Directory Group:** Displays whether the group requires authentication using Active Directory.
- **Access Level:** Displays the predefined access level assigned to the group (**Administrator**, **Programmer**, **Operator**, **User**, or **Connect**).

Select **Add Group** in the **Groups** tab to create new group.

Create a Local Group

To create a local group:

1. Select **Add Group**. The **Add Group** box is displayed.
2. Enter the following:
 - a. Enter the group name in the **Name** field.
 - b. Assign the group access level by selecting a predefined access level (**Administrator**, **Connect**, **Operator**, **Programmer**, or **User**) from the **Access Level** drop-down list.

NOTE: Ensure that the **Active Directory Group** toggle is disabled.

3. Select **OK** to save. Select **Cancel** to cancel the changes.

Add an Active Directory Group

A group cannot be created or removed from the Active Directory server, but access can be granted to an existing group in Active Directory.

Once the group is added, all members of that group will have access to the DM-NAX-AP-100.

To add an Active Directory group:

1. Select **Add Group**. The **Add Group** box is displayed.
2. Enter the following:
 - a. Enter the group name in the **Name** field (for example "Engineering Group"). Note that group names are case sensitive; a space is a valid character that can be used in group names.
 - b. Assign the group access level by selecting a predefined access level (**Administrator**, **Connect**, **Operator**, **Programmer**, or **User**) from the **Access Level** drop-down list.

NOTE: Ensure that the **Active Directory Group** toggle is enabled.

3. Select **OK** to save. Select **Cancel** to cancel the changes.

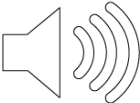
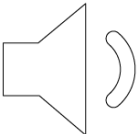
Delete a Group

Select the delete icon  in the **Actions** column to delete a group. Select **Yes** when prompted to delete the group or **No** to cancel the deletion.

When a group is deleted, users in the group are not removed from the device or Active Directory server. However, because a user's access level is inherited from a group(s), users within the deleted group will lose access rights associated with the group.

Operation

The DM-NAX-POD-MIC and DM-NAX-POD-MIC-SPK feature capacitive buttons for basic call controls. Refer to the following table to use the capacitive buttons:

Button	Function
Handset	
	Answers an incoming call or ends the current call.
Mute	
	Mutes or unmutes the built-in microphone. When a call is muted, the mute button turns red. When a call is unmuted, the mute button is not backlit.
Volume Up	
	Increases the volume of the built-in speaker by 10%.
Volume Down	
	Decreases the volume of the built-in speaker by 10%.

Refer to [Observe the LED Indicators on page 39](#) for a table the LED indicator states.

Resources

The following resources are provided for the DM NAX Intelligent Audio platform.

NOTE: You may need to provide your Crestron.com web account credentials when prompted to access some of the following resources.

Crestron Support and Training

- [Crestron True Blue Support](#)
- [Crestron Resource Library](#)
- [Crestron Online Help \(OLH\)](#)
- [Crestron Technical Institute \(CTI\) Portal](#)

Programmer and Developer Resources

- help.crestron.com: Provides help files for Crestron programming tools such as SIMPL, SIMPL#, and Crestron Toolbox™ software
- developer.crestron.com: Provides developer documentation for Crestron APIs, SDKs, and other development tools

Product Certificates

To search for product certificates, refer to the [Product Certificates](#) section of the Crestron Resource Library.

Related Documentation

- [Crestron Technical Documentation](#)

