

DM NVX® 4K60 4:2:0 Network AV Encoder, Wall Plate

The Crestron DM-NVX-E20-2G is a 2-gang wallplate network AV encoder that transmits up to 4K60 4:2:0 video over standard Gigabit Ethernet to a DM NVX® decoder. The DM-NVX-E20-2G provides HDMI® and analog audio inputs and copper LAN connectivity with PoE (Power over Ethernet) support.

The DM-NVX-E20-2G is available in two models: [DM-NVX-E20-2G-B-T](#) (black textured) and [DM-NVX-E20-2G-W-T](#) (white textured).



In the Box

1 DM-NVX-E20-2G-B-T or DM-NVX-E20-2G-W-T

Additional Item

4 Screw, 6-32 x 1 inch, Truss Head, Combo (2054883)



Install the Device

The DM-NVX-E20-2G is designed for installation into a 2-gang electrical box (not included) in a wall, floor, or ceiling. A minimum mounting depth of 2 inches (51 mm) is required.

NOTE: Before installing the DM-NVX-E20-2G, verify that the required wiring has been fed through the electrical box.

Connecting the Rear of the Device

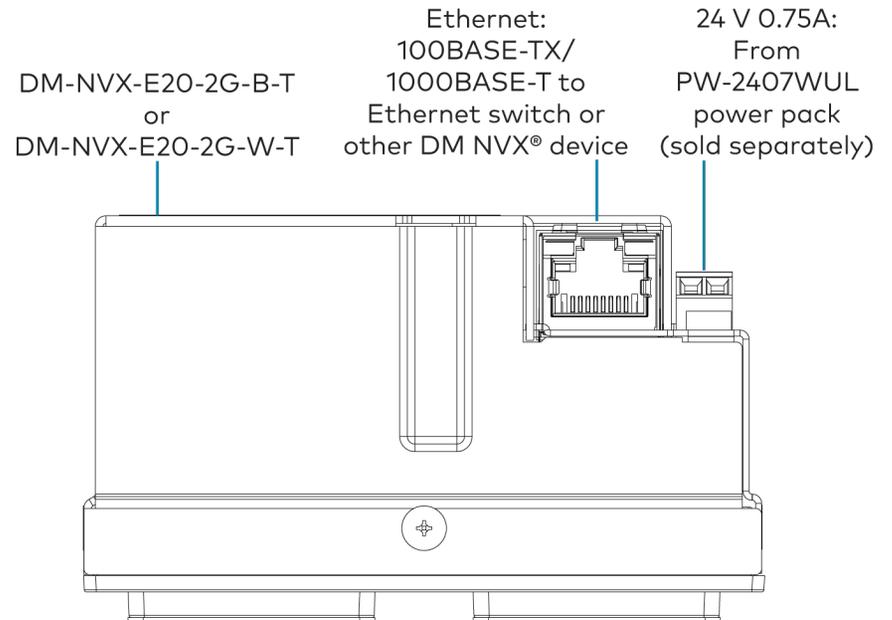
Connect the rear of the device as required for the application.

NOTES:

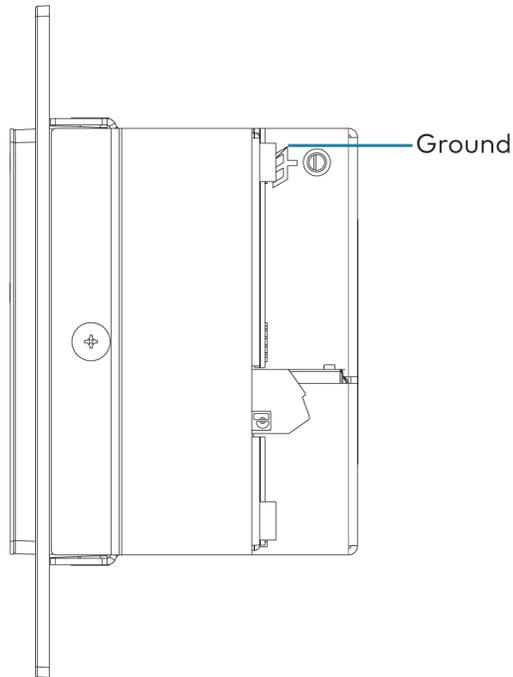
- The Ethernet port must be connected to a 1000BASE-T Ethernet switch in order to stream network video.
- The DM-NVX-E20-2G can be powered via the Ethernet port, which is a PoE powered device (PD) port. In order for the device to receive PoE, the Ethernet port must be connected to a PoE power sourcing equipment (PSE) port of an Ethernet switch. Wiring that is connected to a PoE PSE port is designed for intrabuilding use only.

Alternatively, the DM-NVX-E20-2G can be powered by a 24 VDC power pack ([PW-2407WUL](#), sold separately).

Connections to Rear of DM-NVX-E20-2G



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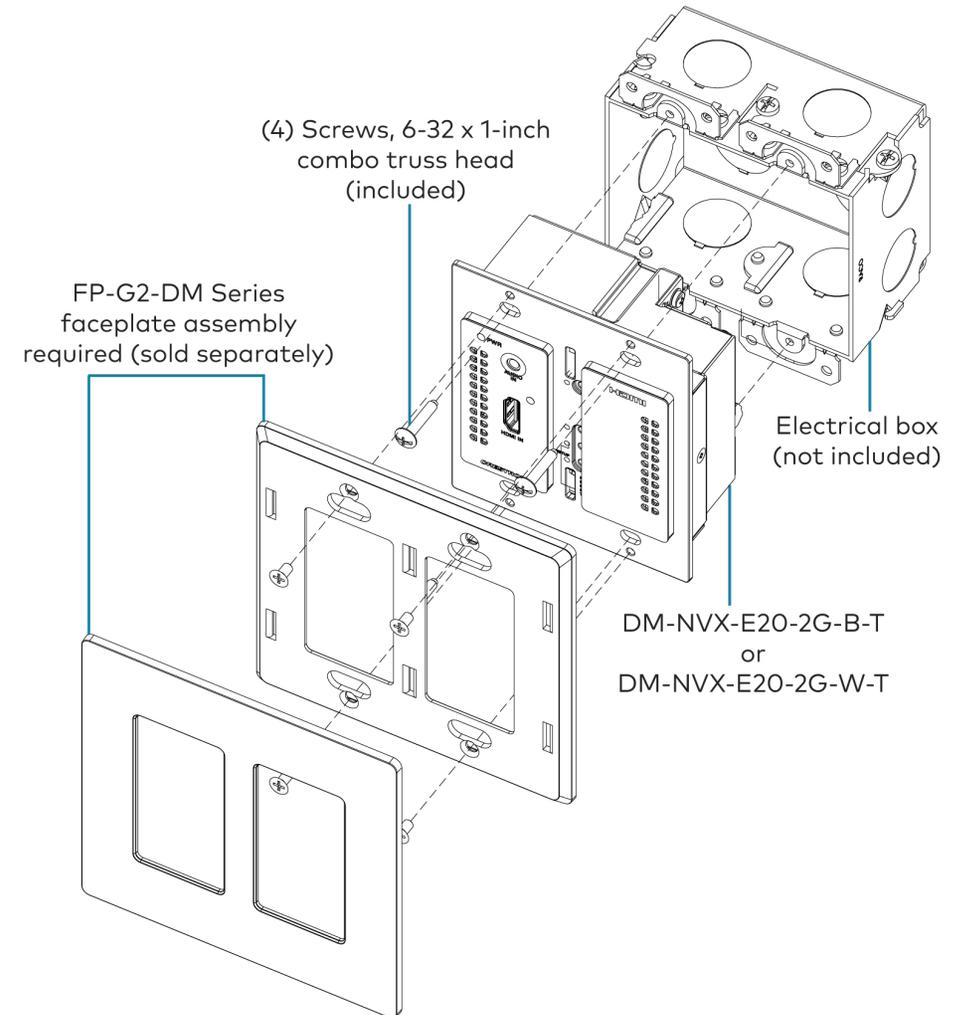
Installing into an Electrical Box

To install the device into an electrical box (not included):

1. Using a Phillips screwdriver (not included), attach the DM-NVX-E20-2G to the electrical box using the four included #6-32 x 1-inch combo truss head screws.
2. Attach an FP-G2-DM Series decorator style faceplate (black [FP-G2-DM-B-T](#) or white [FP-G2-DM-W-T](#), sold separately) to the front of the DM-NVX-E20-2G.

NOTE: An FP-G2-DM Series faceplate is required. Faceplates other than the FP-G2-DM Series are incompatible with the DM-NVX-E20-2G.

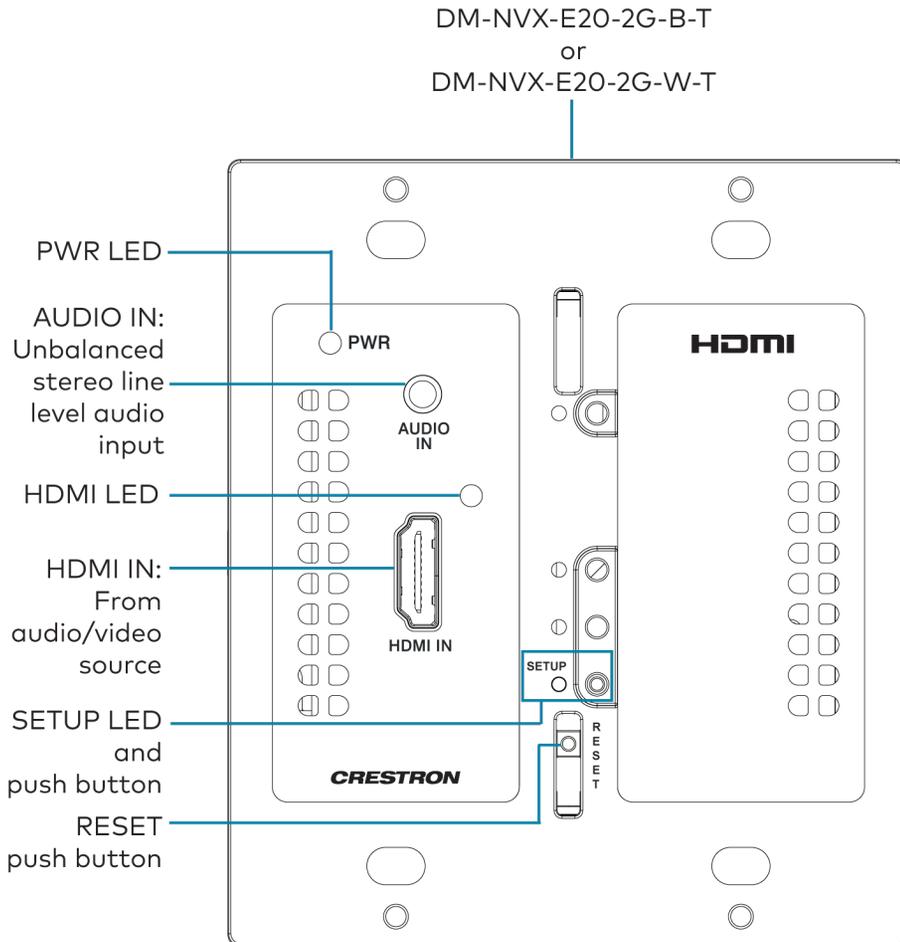
Installation into Electrical Box



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Connecting the Front of the Device

Connect the front of the device as required for the application.



Upgrade the Firmware

Before using the device, upgrade the firmware. The latest firmware can be downloaded from the [DM-NVX-E20-2G-B-T](#) or [DM-NVX-E20-2G-W-T](#) product page on the Crestron website (www.crestron.com).



Configure the Device

Configure the device using the web interface. To access the web interface, open a web browser and then go to the IP address of the device.

NOTE: By default, the IP address of a DM NVX device is assigned by a DHCP server on the network. If a DHCP server does not exist on the network, the IP address defaults to a link-local address in the 169.254.xxx.xxx range (refer to RFC 3927 for detailed information about link-local addressing). To find the IP address of the DM NVX device, use the Device Discovery tool in the Crestron Toolbox™ software.

If no account has been created, create an account by entering a user name and password and confirming the password. After an account is created, sign in to the web interface by entering the user name and password.

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Connect to the Cloud

The [XiO Cloud® service](#) allows supported devices across an enterprise to be managed and configured from one central and secure location in the cloud. Supported Crestron® devices are configured to connect to the service out of the box.

Use of the service requires a registered XiO Cloud account. To register for an XiO Cloud account, refer to www.crestron.com/Support/Tools/Licensing-Registration/XiO-Cloud-Registration-Room-Licenses.

1. Record the MAC address and serial number that are labeled on the shipping box or the device. The MAC address and serial number are required in order to add the device to the XiO Cloud service.

NOTE: If the device has multiple MAC addresses, use the MAC address that is providing the primary connection back to the network. For most devices, the Ethernet MAC address should be used. However, if your device is connecting to the network over a different protocol (such as Wi-Fi® communications), use the MAC address for that protocol instead.

2. Log in to your XiO Cloud account at portal.crestron.io.
3. Claim the device to the XiO Cloud service as described in the [XiO Cloud User Guide](#).

Select the device from the cloud interface to view its status and settings. The device may now also be managed and assigned to a group or room. For more information, refer to the [XiO Cloud User Guide](#).

NOTE: For XiO Cloud accounts with room-based licenses, the device must be added to a licensed room before its status and settings can be viewed.



Observe the LED Indicators

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

LED Indicator	Color	Meaning
PWR	Amber	Power is being applied to the device. The device is booting.
	Green	Power is being applied to the device. The device is operational.
SETUP	Red	The SETUP button is pressed.
Ethernet	Green	An Ethernet link is established.
	Flashing amber	Data activity is occurring on the Ethernet link.
HDMI IN	Green	An HDMI signal is detected at the HDMI input.

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Visit the Product Page

Scan the QR code to visit the product page.

DM-NVX-E20-2G-B-T



www.crestron.com/model/6511650

DM-NVX-E20-2G-W-T



www.crestron.com/model/6511651

Additional Information

Original Instructions

The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

Regulatory Model: M202028005

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HDMI

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Doc. 9160A

03/13/23