

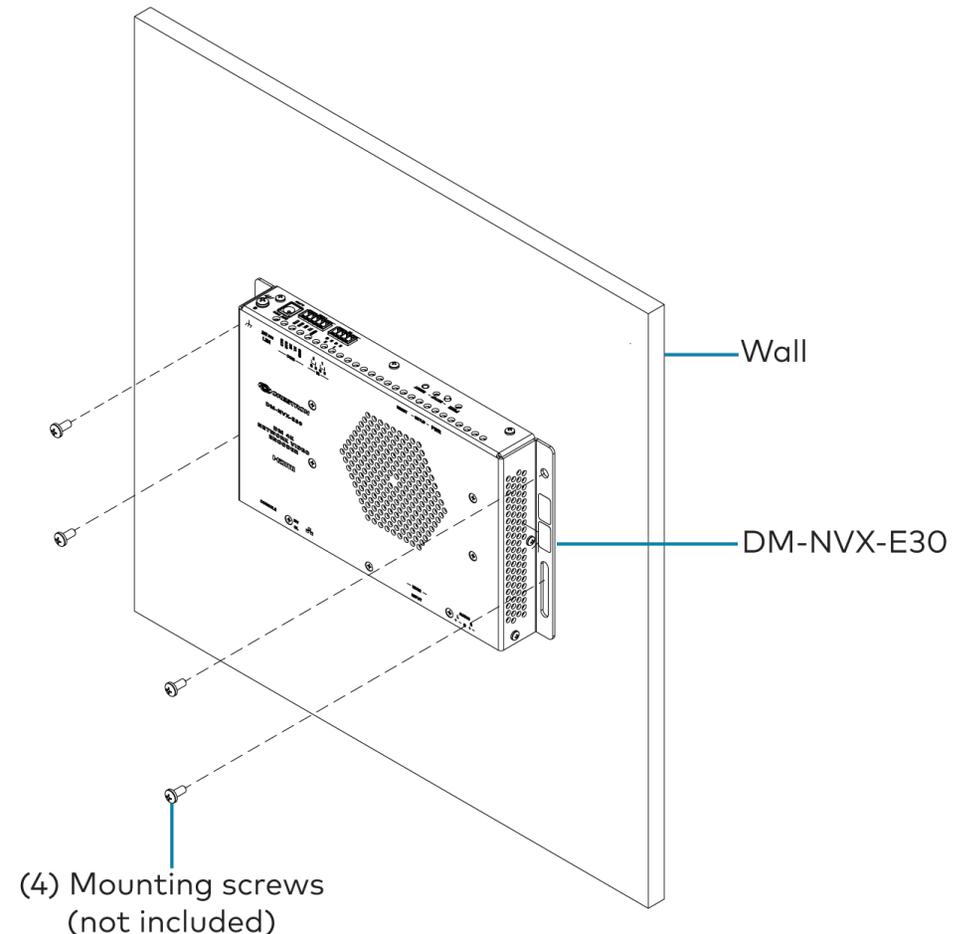
## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder

The Crestron [DM-NVX-E30](#) is a network AV encoder that transmits ultra high-definition 4K60 4:4:4 HDR video over standard Gigabit Ethernet to a DM NVX® decoder. The [DM-NVX-D30](#) is a network AV decoder that receives ultra high-definition 4K60 4:4:4 HDR video from a DM NVX encoder.

The DM-NVX-E30 provides a single HDMI® input, and the DM-NVX-D30 provides a single HDMI output. Both devices feature secure web-based control and management, an analog audio output, and copper LAN connectivity.

**NOTE:** Fan ventilation holes are provided on five sides of the device. If the installation necessitates that another object be positioned flush against the ventilation holes on one side of the device, leave a minimum clearance of 2 inches of space on all other sides containing ventilation holes.

### Wall Mounting (DM-NVX-E30 Shown)



### In the Box

- 1 DM-NVX-E30 or DM-NVX-D30

#### Additional Items

- 1 Connector, 4-Pin (2003576)
- 2 Connector, 5-Pin (2003577)



### Install the Device

The DM-NVX-E30 and DM-NVX-D30 can be mounted onto a flat surface or onto a rack rail.

### Mounting onto a Flat Surface

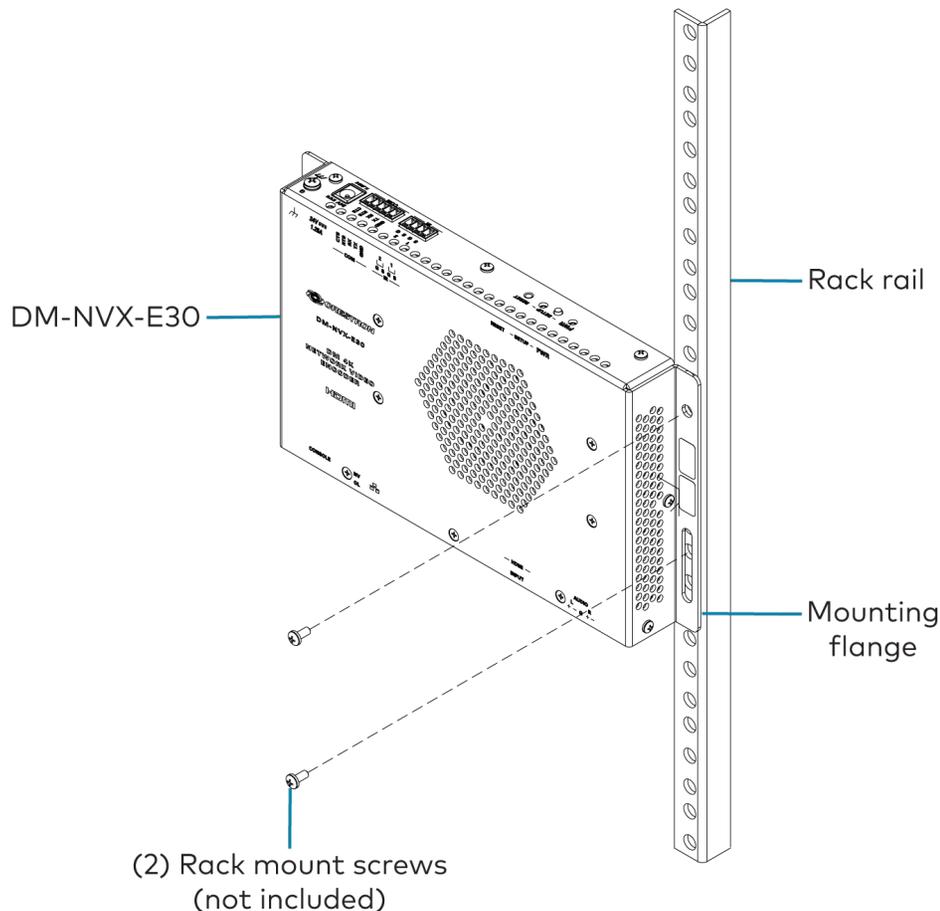
Using four mounting screws (not included), mount the device onto a flat surface such as a wall or the underside of a table. The screw diameter should be no more than 6 mm. Be sure to use the mounting hardware that is appropriate for the surface to which the device is being mounted.

## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder

### Mounting onto a Rack Rail

Using two rack mounting screws (not included), mount the left or right mounting flange of the device onto the front or rear rail of a rack.

#### Rack Rail Mounting Example (DM-NVX-E30 Shown)



### Connect the Device

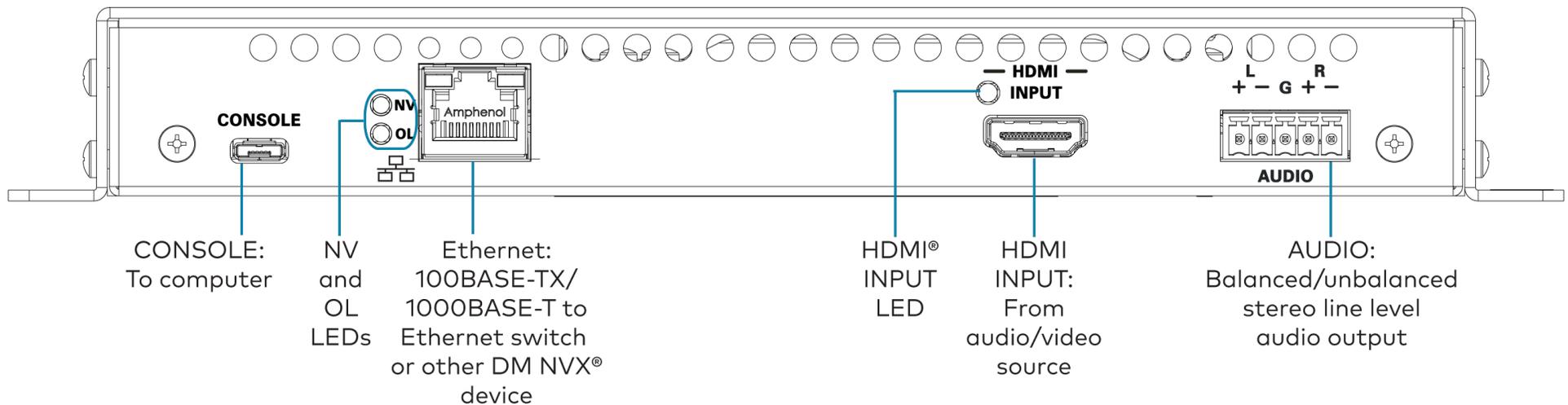
Connect the device as required for the application.

#### NOTES:

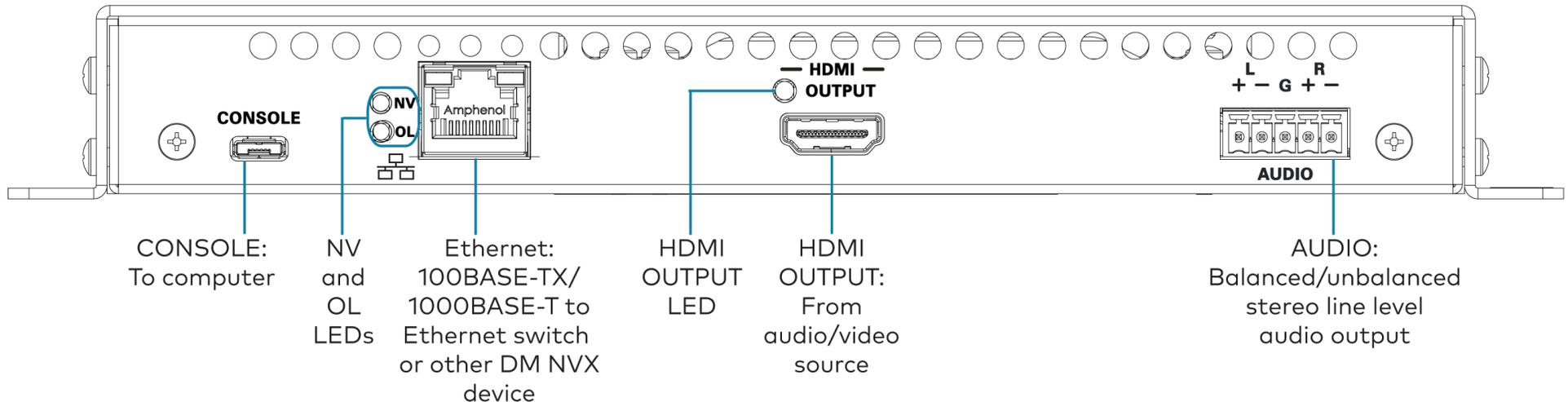
- The Ethernet port must be connected to a 1000BASE-T switch in order to stream network video.
- The DM-NVX-E30 and DM-NVX-D30 can be powered via the Ethernet port, which is a PoE+ powered device (PD) port. In order for the device to receive PoE+, the Ethernet port must be connected to a PoE+ port of an Ethernet switch. Alternatively, the DM-NVX-E30 and DM-NVX-D30 can be powered by a 24 VDC power pack (sold separately).

## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder

### DM-NVX-E30 Front Panel Connections

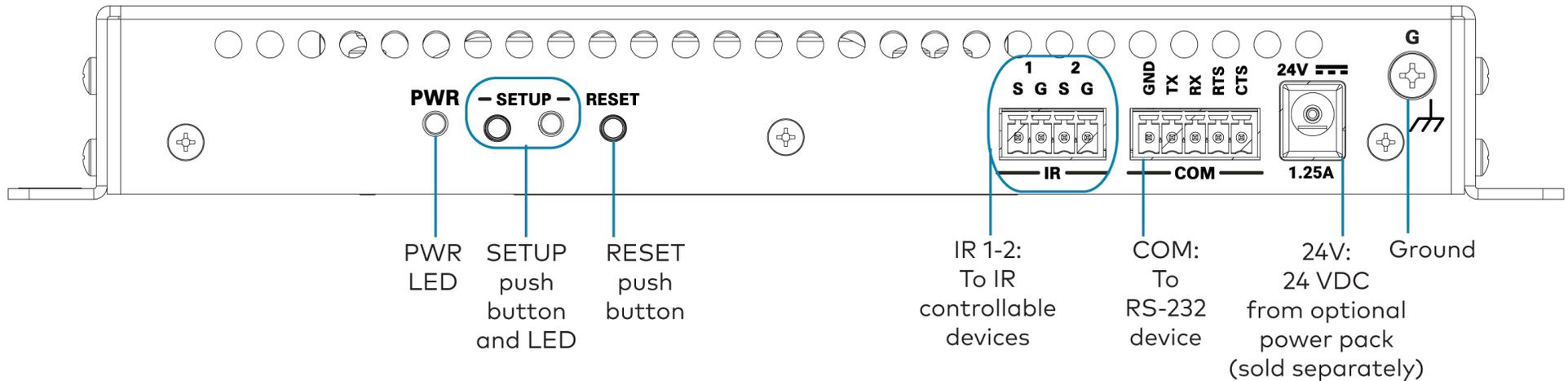


### DM-NVX-D30 Front Panel Connections



## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder

### DM-NVX-E30 and DM-NVX-D30 Rear Panel Connections

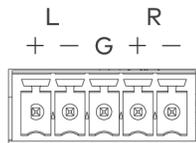


## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder

### AUDIO Connector Pin Assignments

The AUDIO connector uses a 5-pin terminal block for balanced or unbalanced analog audio output.

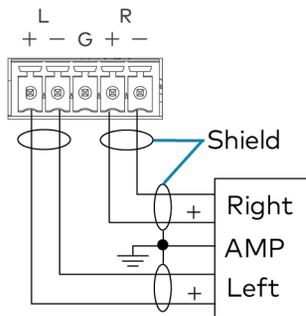
#### AUDIO Connector



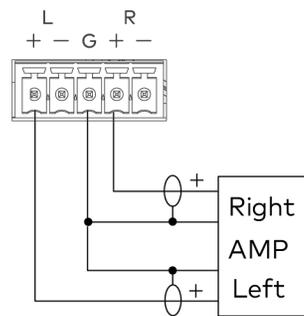
Refer to the following table and diagram for analog audio output pin assignments and connection information.

Signal Name	Balanced Audio Output	Unbalanced Audio Output
+	L+	L+ Out
-	L-	Open
G	Shield/ground	Common ground
+	R+	R+ Out
-	R-	Open

#### Balanced Output



#### Unbalanced Output



### Upgrade the Firmware

Before using the device, upgrade the firmware. The latest firmware can be downloaded from the [DM-NVX-E30](#) and [DM-NVX-D30](#) product pages on the Crestron website ([www.crestron.com](http://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 display the IP address on the connected display, press the **SETUP** button on the rear panel of the device.

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](http://www.crestron.com/Support/Tools/Licensing-Registration/XiO-Cloud-Registration-Room-Licenses).

To connect the device to the XiO Cloud service:

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 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](http://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.
NV	Green	(DM-NVX-E30 only) The device is encoding (transmitting) network video. (DM-NVX-D30 only) The device is decoding (receiving) network video.
OL	Green	The device is online with a control system via Ethernet.
Ethernet	Green	An Ethernet link is established.
	Flashing amber	Data activity is occurring on the Ethernet link.
HDMI INPUT (DM-NVX-E30 only)	Green	An HDMI signal is detected at the HDMI input.
HDMI OUTPUT (DM-NVX-D30 only)	Green	An HDMI signal is being transmitted at the HDMI output.

## DM NVX® 4K60 4:4:4 HDR Network AV Encoder and Decoder



### Visit the Product Page

Scan the QR code to visit the product page.

#### DM-NVX-E30



[www.crestron.com/model/6511506](http://www.crestron.com/model/6511506)

#### DM-NVX-D30



[www.crestron.com/model/6511507](http://www.crestron.com/model/6511507)

### 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: M202013001

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### HDMI

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