

4K Multiformat 2x1 AV Switch and Receiver

The Crestron® [HD-RX-4K-210-C-E](#) and [HD-RX-4K-210-C-E-POE](#) are 4K multiformat AV switchers and receivers that provide HDMI® video switching and audio presentation capabilities in areas such as conference rooms and classrooms.



In the Box

- 1 HD-RX-4K-210-C-E or HD-RX-4K-210-C-E-POE 4K Multiformat 2x1 AV Switch and Receiver

Additional Items

- 4 Anchor, Drywall, Plastic (2053825)
- 4 Screw, 8-15 x 19 mm (2054601)
- 2 Connector, 5-Pin (2003577)
- 5 Connector, 2-Pin (2003574)

HD-RX-4K-210-C-E Only

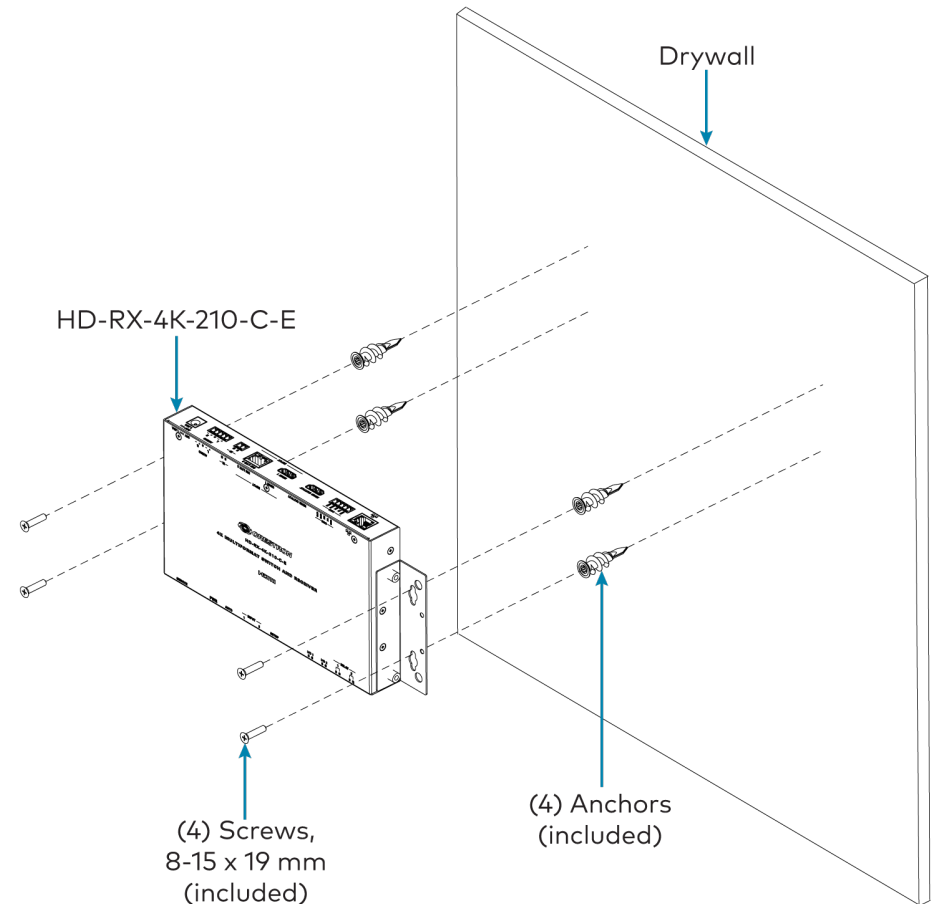
- 1 Power Pack, 24 VDC, 1.25 A, 100-240 VAC (2045870)



Install the Device

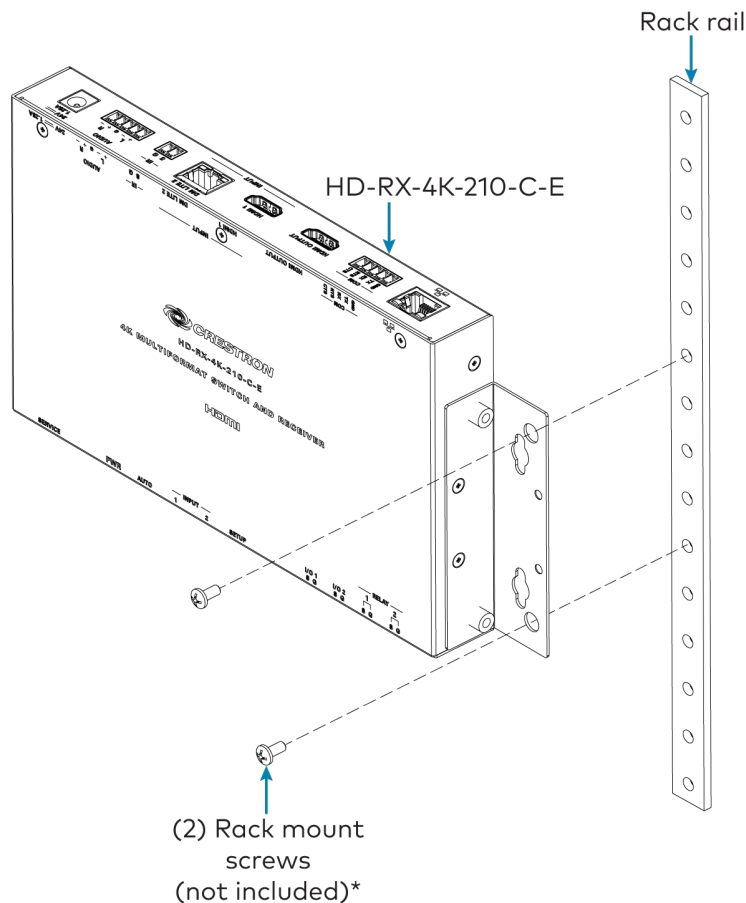
The device can be mounted onto a flat surface such as a wall or the underside of a table. The device can also be mounted onto a rack rail.

Wall Mounting (HD-RX-4K-210-C-E Shown)



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Rack Rail Mounting Example (HD-RX-4K-210-C-E Shown)



* For information about the rack mount screws to be used, refer to the mounting instructions of the rack manufacturer.



Connect the Device

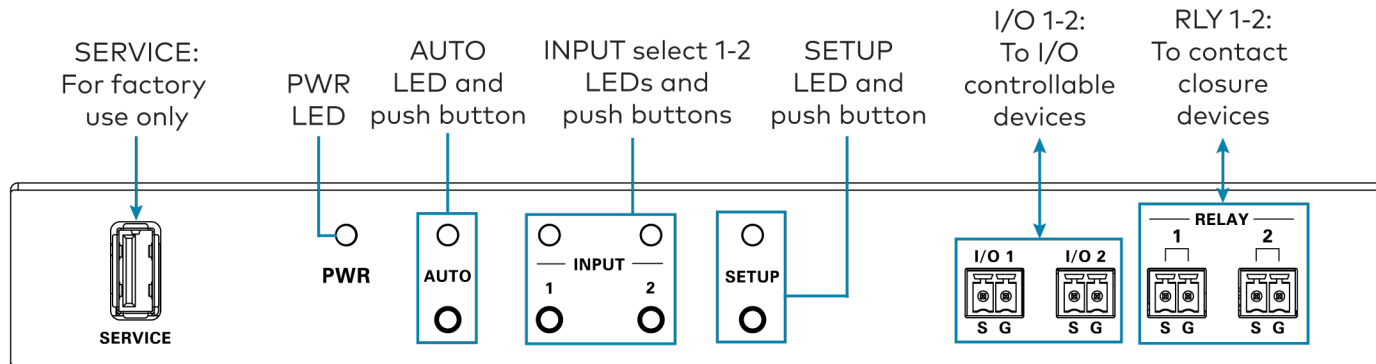
Connect the device as required for the application.

NOTES:

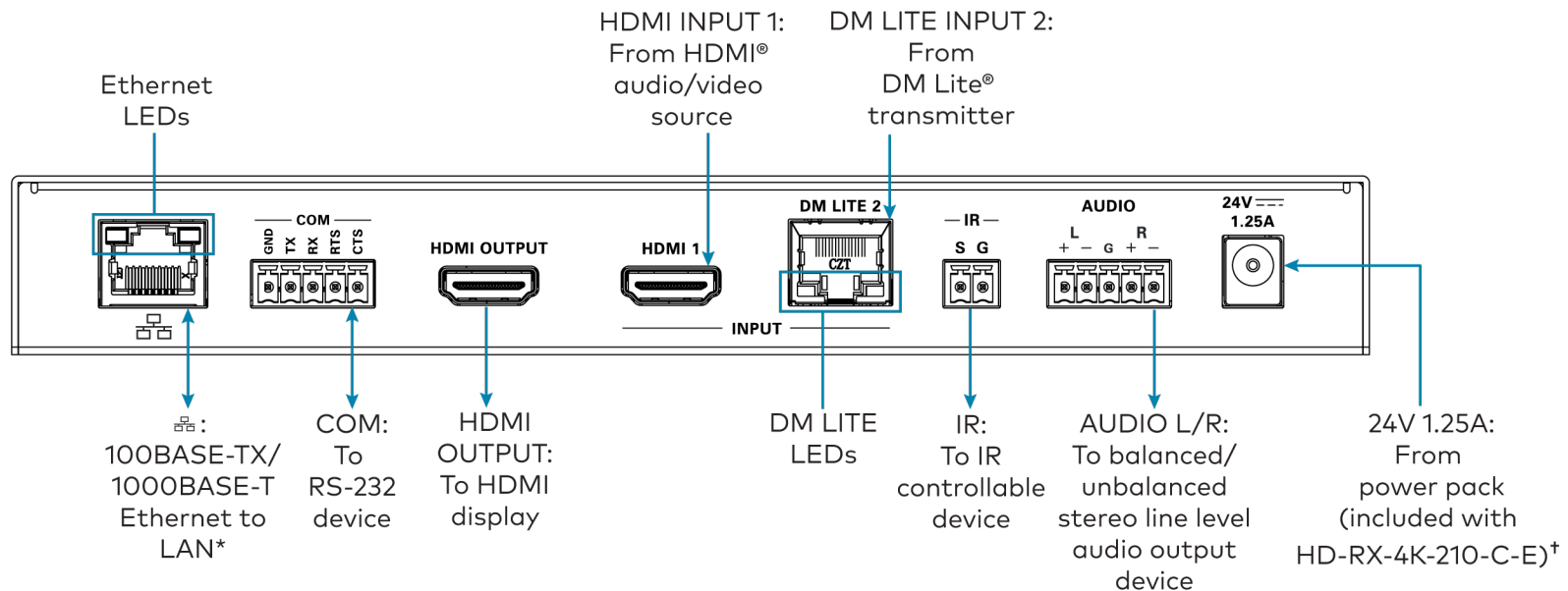
- Cabling that connects the device to a DM Lite® transmitter is designed for intrabuilding use only.
 - The device can power the connected DM Lite transmitter. Power is transmitted over the CATx cable that connects the device to a DM Lite transmitter. Do not connect power to a DM Lite transmitter that is to be powered by the HD-RX-4K-210-C-E or HD-RX-4K-210-C-E-POE.
 - The Ethernet port of the HD-RX-4K-210-C-E-POE is a PoE+ powered device (PD) port that can be connected to a PoE+ power sourcing equipment (PSE) port of a Gigabit Ethernet switch. Cabling that connects to a PoE+ PSE port is designed for intrabuilding use only.
- Either PoE+ or the optional [PW-2412WU](#) power pack (sold separately) can be used to power the HD-RX-4K-210-C-E-POE and connected DM Lite transmitter.
- There are no user-serviceable parts inside this device. If repair of the device is necessary, contact an authorized Crestron dealer for return of the device to the factory.

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Front Panel



Rear Panel (HD-RX-4K-210-C-E Shown)



* To comply with the European Directive (CE), it is recommended that high-quality solid-core CAT5e (or higher) shielded twisted pair (STP) cable be used.

The Ethernet port of the HD-RX-4K-210-C-E-POE supports PoE+.

[†] The Crestron PW-2412WU power pack is optional and sold separately for the HD-RX-4K-210-C-E-POE.

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AUDIO Connector Pin Assignments

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

AUDIO Connector



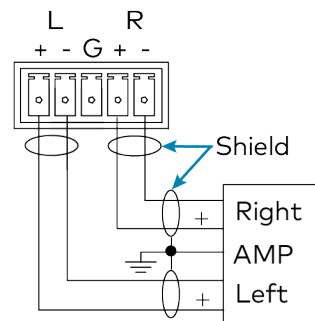
Refer to the following table and diagrams for analog audio output pin assignments and wiring information.

Balanced and Unbalanced Audio Output Pin Assignments

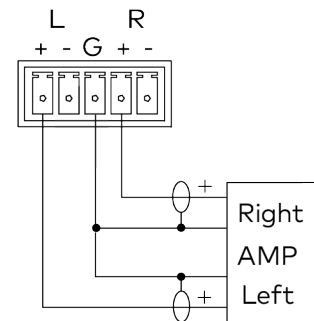
Signal Name	Balanced Audio Output	Unbalanced Audio Output
+	L+	L+ Out
-	L-	Open
G	Shield/ground	Common ground
+	R+	R+ Out
-	R-	Open

Balanced and Unbalanced Audio Output Wiring

Balanced Output



Unbalanced Output



LED Indicators

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

LED Indicators

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.
AUTO	Green	Automatic routing is enabled.
INPUT 1-2	Green	The corresponding input is routed to the HDMI® output.
	Amber	The corresponding input is detected but is not routed to the HDMI output.
SETUP	Red	The SETUP button is pressed.
Ethernet	Green	An Ethernet link is established.
	Flashing amber	Data activity is occurring on the Ethernet link.
DM LITE	Green	A DM Lite® link is established.
	Flashing amber	Non-HDCP video is detected.
	Steady amber	HDCP video is detected.

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Configure the Device

Using the web interface, configure the HD-RX-4K-210-C-E or HD-RX-4K-210-C-E-POE. The device also hosts the configuration of the connected DM Lite transmitter.

To access the web interface, open a web browser and then go to the IP address of the HD-RX-4K-210-C-E or HD-RX-4K-210-C-E-POE. By default, DHCP is enabled. To display the IP address on the connected HDMI display, press the **SETUP** button on the front panel of the device. If the transmitter has a **SETUP** button, pressing the button on the transmitter will also display the IP address of the HD-RX-4K-210-C-E or HD-RX-4K-210-C-E-POE.

To log in to the web interface, enter the user name and password. The default user name and password are both *admin*.



Upgrade the Firmware

Before using the device, upgrade the firmware. The latest firmware can be downloaded from the [HD-RX-4K-210-C-E](#) and [HD-RX-4K-210-C-E-POE](#) product pages on the Crestron website (www.crestron.com).



Connect to the Cloud

The XiO Cloud® service allows supported Crestron devices across an enterprise to be managed and configured from one central and secure location in the cloud. Supported devices are preconfigured to connect to the service. Use of the service requires a registered XiO Cloud account.

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 rear panel of the device. The MAC address and serial number are required in order to add the device to the XiO Cloud environment.
2. Do either of the following:
 - If you have an XiO Cloud account, go to <https://portal.crestron.io> to access the XiO Cloud service.
 - If you do not have an XiO Cloud account, go to www.crestron.com/xio-cloud-registration to register for an account.

For detailed information about using the XiO Cloud service, refer to the [XiO Cloud® Provisioning and Management Service User Guide](#) (Doc. 8214).

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Visit the Product Page

Scan the QR code to visit the product page.

HD-RX-4K-210-C-E



www.crestron.com/model/6510860

HD-RX-4K-210-C-E-POE



www.crestron.com/model/6510861

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: M1845001

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HDMI

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