

HD-RX-4K-510-C-E

DM Lite™ 4K Multiformat Switch and Receiver

The Crestron® HD-RX-4K-510-C-E is a DM Lite™ 4K multiformat switch and receiver that provides enhanced HDMI® video switching and audio presentation capabilities in areas such as conference rooms and classrooms. The HD-RX-4K-510-C-E can be connected to up to three DM Lite transmitters.

Check the Box

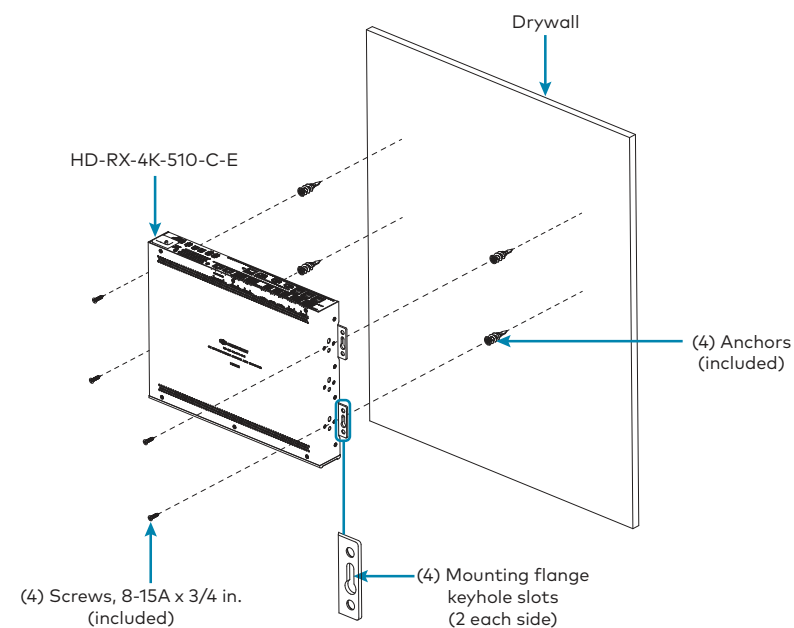
Item	Qty
HD-RX-4K-510-C-E	1
Anchor, Drywall, Plastic (P/N 2053825)	4
Connector, 2-Pin (P/N 2003574)	5
Connector, 2-Pin (P/N 2044402)	2
Connector, 3-Pin (P/N 2003575)	3
Connector, 5-Pin (P/N 2003577)	5
Power Cord, 6 ft 7 in. (2 m) (P/N 2001134)	1
Screw, 8-15A x 3/4 in., Flat Head, Phillips (P/N 2053836)	4

Install the Device

To install the device, mount it onto drywall. Use the four included drywall anchors and the four included 8-15A x 3/4 in. flat head Phillips screws (one screw for each keyhole slot in the four mounting flanges of the device).

NOTE: For safety reasons, it is recommended that the mounting height of the device be no more than 6-1/2 ft (2 m) from the floor or any platform above which the device is mounted.

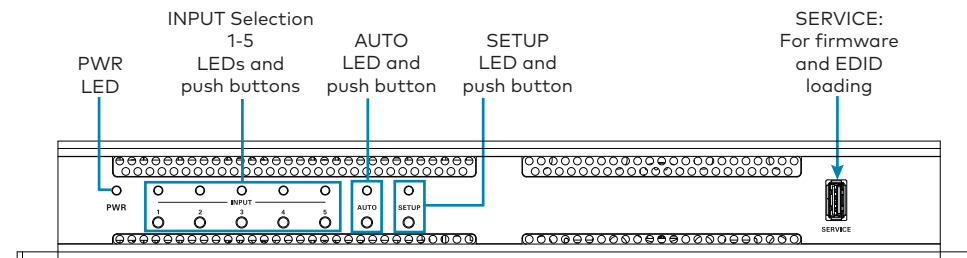
Drywall Mounting



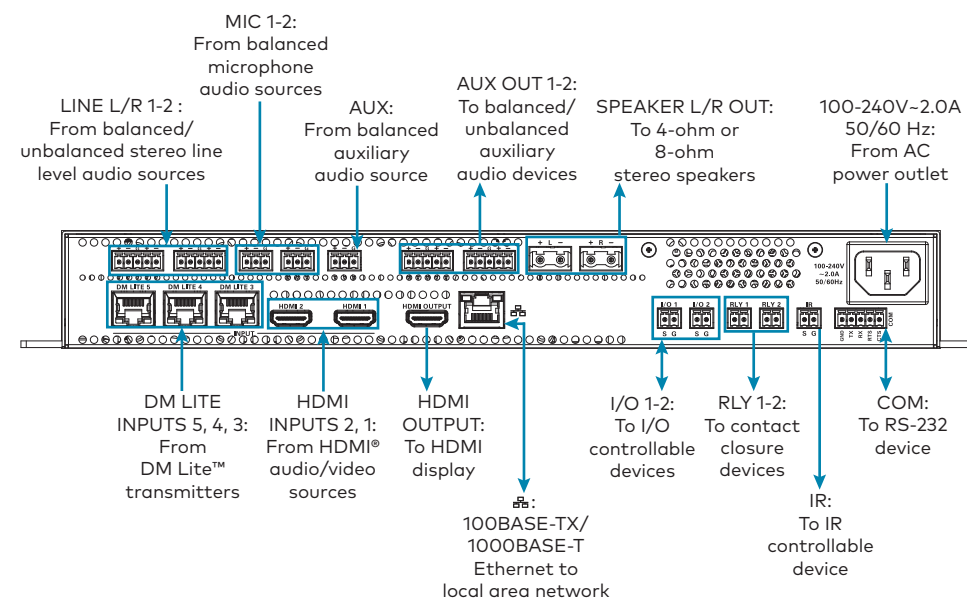
Connect the Device

Connect the device as required for the application.

Front Panel Connection



Rear Panel Connections



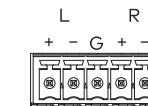
NOTES:

- Cabling that connects the HD-RX-4K-510-C-E to a DM Lite transmitter is designed for intrabuilding use only.
- The HD-RX-4K-510-C-E can power three DM Lite transmitters simultaneously. Do not connect power to transmitters that are to be connected to the HD-RX-4K-510-C-E.
- The HD-RX-4K-510-C-E is grounded by connection of the included power cord to an AC power outlet with proper grounding.
- There are no user-serviceable parts inside this device. If repair of the device is needed, contact an authorized Crestron dealer for return of the device to the factory.

LINE 1-2 Connector Pin Assignments

The LINE 1 and LINE 2 connectors use 5-pin terminal blocks for balanced or unbalanced analog audio inputs.

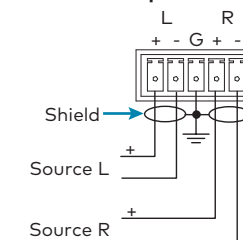
LINE 1-2 Connector



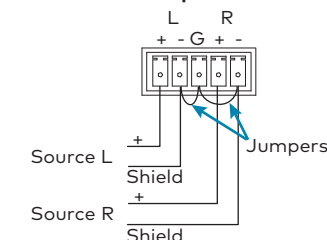
Refer to the following table and diagrams for analog audio input pin assignments and connection information.

Signal Name	Balanced Audio Input	Unbalanced Audio Input
+	L+	L+ In
-	L-	L- signal return, jumper to GND
G	Shield/ground	Ground
+	R+	R+ In
-	R-	R- signal return, jumper to GND

Balanced Input



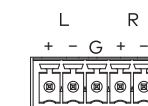
Unbalanced Input



AUX OUT 1-2 Connector Pin Assignments

The AUX OUT 1 and AUX OUT 2 connectors use 5-pin terminal blocks for balanced or unbalanced analog audio outputs.

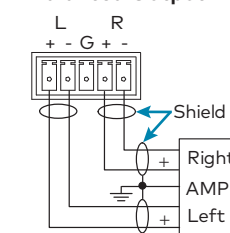
AUX OUT 1-2 Connector



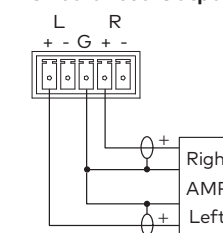
Refer to the following table and diagrams for analog audio output pin assignments and connection information.

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



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.
INPUT 1-5	Green	The corresponding input is selected. Video is detected and switched.
	Amber	The corresponding input is selected. Video is detected but is not switched.
AUTO	Green	Automatic switching is enabled.
SETUP	Red	The SETUP button is pressed.
DM LITE	Green (right LED)	A DM Lite link is established.
	Flashing amber	Non-HDCP video is detected.
	Steady amber	HDCP video is detected.
LAN	Green	An Ethernet link is established.
	Flashing amber	Data activity is occurring on the Ethernet link.

Configure the Device

Using the web interface, configure the HD-RX-4K-510-C-E. The HD-RX-4K-510-C-E also hosts the configuration of the connected transmitters.

To access the web interface, open a web browser and then go to the IP address of the HD-RX-4K-510-C-E. 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 HD-RX-4K-510-C-E. If the transmitter has a **SETUP** button, pressing the button on the transmitter will also display the IP address of the HD-RX-4K-510-C-E.

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-510-C-E product page on the Crestron website (www.crestron.com).

Additional Information

Scan or click the QR code for detailed product information.



HD-RX-4K-510-C-E

HDMI

Compliance and Legal

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: M1845002

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interferences to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3 (B)/NMB-3(B)

As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.



This product is Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc.

Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.



The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

Crestron, the Crestron logo, and DM Lite are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. HDMI and the HDMI logo are either trademarks or registered trademarks of HDMI Licensing in the United States and/or other countries. UL and the UL logo are either trademarks or registered trademarks of Underwriters Laboratories, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

©2019 Crestron Electronics, Inc.

Crestron Electronics, Inc.
15 Volvo Drive, Rockleigh, NJ 07647
Tel: 888.CRESTRON
Fax: 201.767.7576
www.crestron.com

Quick Start - Doc. 8456B
(2053624)
06/27/19

Specifications subject to change without notice.