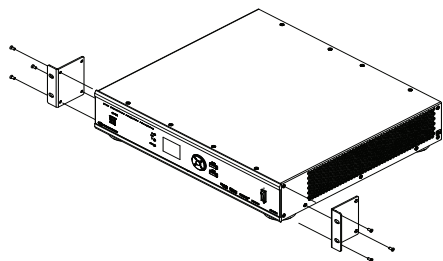## HD(I)-XSPA
4K Ultra High-Definition Surround Sound AV Receiver

DO Install the Device

The HD(I)-XSPA can be mounted in a rack* or stacked with other equipment. Two "ears" are provided with the HD(I)-XSPA so that the unit can be rack mounted. These ears must be installed prior to mounting. The only tool required is a #1 or #2 Phillips screwdriver.

WARNING: To prevent bodily injury when mounting or servicing this unit in a rack, observe the following guidelines:

- When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.

- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

NOTE: If rack mounting is not required, remove the feet from the bottom of the unit with a screwdriver.

CAUTION: To prevent equipment damage, use only the rack ears Crestron® provides for this device.

DO Make Connections to the Device

Make the necessary connections to the device as called out in the diagram to the right. Connect the power last.

CAUTION: Keep the device unplugged until all of the input, network, and speaker wiring is complete.

CAUTION: Check the speaker wires for shorts and frayed wiring around the SPEAKER OUTPUTS connectors.

NOTE: The DM and LAN ports are for intra-building use only and should not be connected to lines that run outside of the building in which the unit is located.

NOTE: If the DM port is connected to a DM® switch, the LAN port should not be connected to the local area network. Additionally, the DM switch can be used to configure the network settings. Refer to the DigitalMedia™ Design Guide (Doc. 4546) at www.crestron.com/manuals for details.
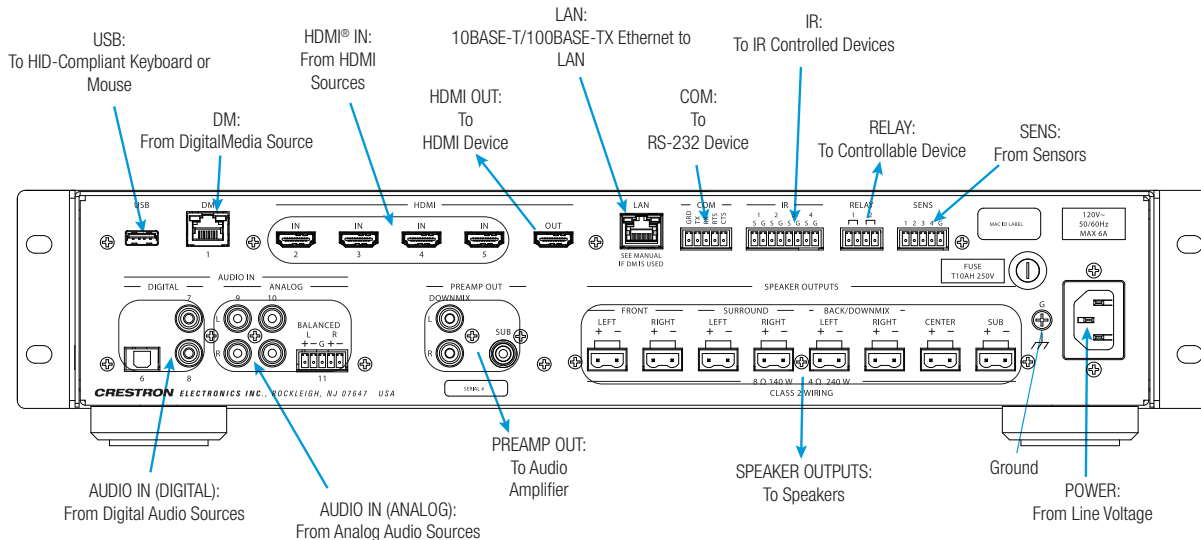
DO Check the Box

QTY	PRODUCT	PART NUM.
2	Metal, Bracket, Ear, 2U	2034434
8	Connector, 2-Pin	2012361
1	Connector, 4-Pin	2003576
3	Connector, 5-Pin	2003577
1	Connector, 8-Pin	2003580
1	USB Cable, "A" to "B," 6 ft	2014966
Items for the HD-XSPA		
1	Power Cord	4512528
1	Fuse, 10.0 A, Time Lag, 1.25" x 0.25", Ceramic Cartridge, 250 V	2017577
Items for the HDI-XSPA		
1	Power Cord	Varies by Country
1	Fuse, 5.0 A, Time Lag, 5 x 20 mm, Ceramic Cartridge, 250 V	2017578

USB:
To HID-Compliant Keyboard or Mouse

HDMI® IN:
From HDMI Sources

LAN:
10BASE-T/100BASE-TX Ethernet to LAN

IR:
To IR Controlled Devices

DM:
From DigitalMedia Source

HDMI OUT:
To HDMI Device

COM:
To RS-232 Device

RELAY:
To Controllable Device

SENS:
From Sensors

AUDIO IN (DIGITAL):
From Digital Audio Sources

AUDIO IN (ANALOG):
From Analog Audio Sources

PREAMP OUT:
To Audio Amplifier

SPEAKER OUTPUTS:
To Speakers

Ground

POWER:
From Line Voltage

NOTE: Ensure the unit is properly grounded by connecting the chassis ground lug to an earth ground (building steel).

One balanced/unbalanced audio input is provided, utilizing a 5-pin terminal block connector. Refer to the following diagrams for connecting a source.

Wiring for Balanced Input

Wiring for Unbalanced Input
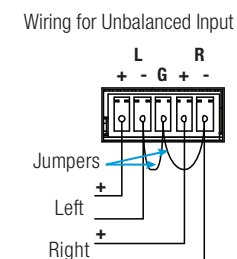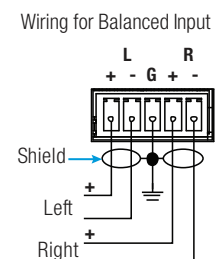
DO Configure the Device

While the HD(I)-XSPA can be used right out of the box, the device can be further customized with Crestron Toolbox™ or the front panel controls. For details on using Crestron Toolbox, refer to the Crestron Toolbox help file. For details on using the front panel controls, refer to the supplemental guide (Doc. 7448) at www.crestron.com/manuals.

DO Operate the Device

Select a Source or Decoding Mode

1. Press **HOME**, followed by the center of the Nav Pad.

2. Press up or down on the Nav Pad to highlight **Source**, and then press the center of the Nav Pad to select a source or decoding mode.

Current Source
Source Select
Decoding Mode
None
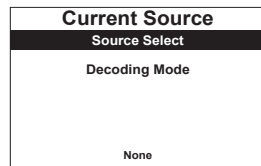
- Select a source:

  a. Press up or down on the Nav Pad to highlight **Source Select** and press the center of the Nav Pad.

  b. Press up or down on the Nav Pad to highlight the desired source and press the center of the Nav Pad.

- Select a decoding mode:

  a. Press up or down on the Nav Pad to highlight **Decoding Mode** and press the center of the Nav Pad.

  b. Press up or down on the Nav Pad to highlight the desired decoding mode and press the center of the Nav Pad.

Adjust Volume and Mute (Theater Output Only)

To adjust the theater output's volume level, press **VOL ▲** or **VOL ▼**.

NOTE: The downmix output's volume level is adjusted via control system programming.

To mute the theater output, press **MUTE**. An indicator lights on the bottom of the display. Press **MUTE** again to unmute the output.

NOTE: The downmix output's mute function is controlled from the front panel controls. For details on using the front panel controls, refer to the supplemental guide (Doc. 7448) at www.crestron.com/manuals.

Other Functions

Other functions are available using the front panel controls. For details on using the front panel controls, refer to the supplemental guide (Doc. 7448) at www.crestron.com/manuals.

* Observe the following guidelines when installing equipment in a rack:

- **Elevated Operating Ambient Temperature:** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

- **Reduced Airflow**: Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.

- **Mechanical Loading**: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

- **Circuit Overloading**: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

- **Reliable Earthing**: Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

DO Learn More

Visit the website for additional information and the latest firmware updates.

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Specifications subject to change without notice.