4K HDR 4x4 HDMI to HDMI Matrix Switcher

AT-HDR-H2H-44MA



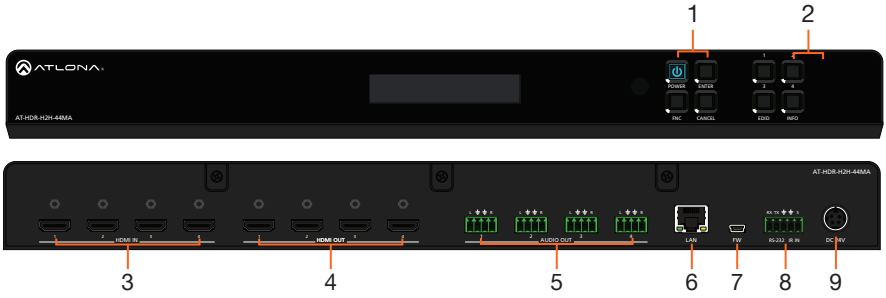
The Atlona AT-HDR-H2H-44MA is a 4x4 HDMI matrix switcher for high dynamic range (HDR) formats. It is HDCP 2.2 compliant and supports 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps. The HDR-H2H-44MA is ideal for residential applications with the latest as well as emerging 4K/UHD and HDR sources and displays. It is compatible with all video resolutions, audio formats, and color space formats supported in the HDMI 2.0b specification, plus the ability to pass metadata for HDR content. The HDR-H2H-44MA includes EDID and HDCP management features, and can send CEC display control independently to each output. An unbalanced analog audio output is paired with each HDMI input for sending de-embedded HDMI audio to a whole-house audio system. The HDR-H2H-44MA can be controlled via Ethernet, RS-232, and IR.

Package Contents

1 x AT-HDR-H2H-44MA
1 x Captive screw connector, 5-pin
4 x Captive screw connector, 4-pin
1 x 24V DC power supply
1 x Pair mounting ears w/screws
4 x Feet w/screws
1 x Installation Guide

IMPORTANT: Visit http://www.atlona.com/product/AT-HDR-H2H-44MA for the latest firmware updates and User Manual.

Panel Descriptions



1 **Function Buttons**
Power - Sets the unit in and out of standby.
Enter - Used for making selection within the front panel OSD.
FNC - Use to switch number buttons to their secondary function.
CANCEL - Navigates back one step in the front panel OSD.

2 **Number Buttons**
Use for selection of inputs and outputs.
1 - Press FNC + 1 to route selected input to all outputs.
2 - Press FNC + 2 to turn the IR receiver window on and off.
3 - Press FNC + 3 to open the EDID menu.
4 - Press FNC + 4 to display the device firmware. Press 4 again to view IP, IP port, and MAC.

3 **HDMI IN**
Connect HDMI cables to these ports from HDMI sources.

4 **HDMI OUT**
Connect an HDMI cable from these ports to an HDMI display, extender, or switcher.

5 **AUDIO OUT**
This port provides source audio 2CH de-embedding. The audio of the HDMI inputs will be directly de-embedded to an audio DSP, amplifier, or player device.

6 **LAN**
Connect an Ethernet cable from this port to a Local Area Network (LAN). This port provides access to the webGUI or TCP/IP control.

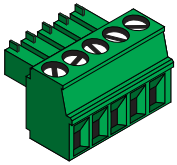
7 **FW**
Connect a mini USB cable to this port to update the firmware.

8 **Control Port**
Connect a third party controller or PC to control the matrix through either IR or RS-232

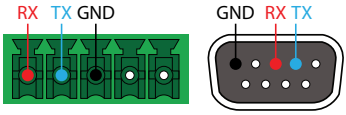
9 **DC 24V**
Connect the included 24V DC power supply to this power receptacle.

Control

A 5-pin captive screw connector for control has been included. The first three terminals are RS-232 control, the last two terminals are for IR.

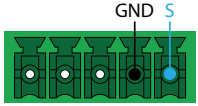


RS-232



Pin out will be determined by the RS-232 cable and connect as RX (receive), TX (transmit) and ⏚ (Ground).

IR

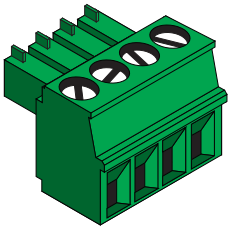


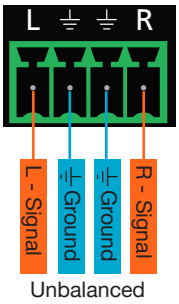
IR IN is connected by a ground and signal wire. Use with 3rd party control systems. For easy termination, Atlona recommends using the 2 meter IR cable AT-LC-CS-IR-2M.

Audio

Connect to an audio DSP, amplifier, or other audio distribution or player devices. Only unbalanced connections may be used.

NOTE: Audio is directly de-embedded from the HDMI IN ports and are not zone output audio ports.





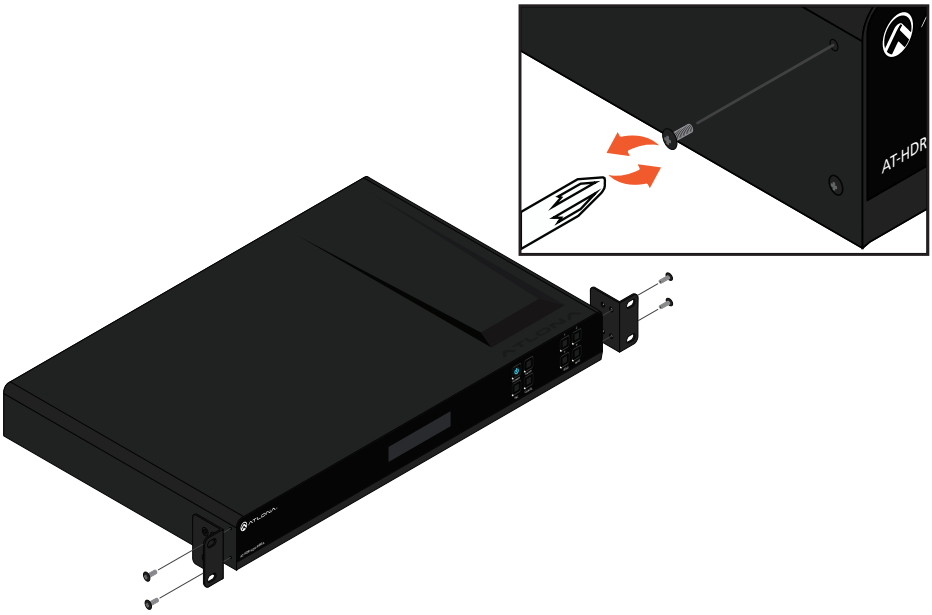
Unbalanced

Mounting Instructions

The AT-HDR-H2H-44MA can be mounted in a standard 19-inch rack or placed freestanding on top of a desk or table.

Rack installation

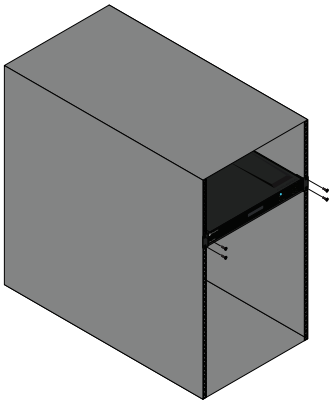
1. Remove the front two case screws from the sides of the case.
2. Attach the included rack ears to each side of the AT-HDR-H2H-44MA using the case screws.



3. Install the HDR-H2H into a rack, using four rack screws.

NOTE: Increase the air flow as needed to maintain the recommended temperature inside the rack.

NOTE: Do not exceed the maximum weight loads for the rack. Install heaver equipment in the lower part of the rack for stability.



Surface mounting

The AT-HDR-H2H-44MA can be placed freestanding on top of a desk, a table, or in a cabinet. To prevent damage to the surfaces or unnecessary movement of the matrix, four feet have been included.

1. Turn the unit upside down.
2. Install each foot using the included feet screws, the rubber grips of the feet should be facing up during installation.
3. Turn the unit right-side up and place it in the desired location.



Installation

1. Connect up to 4 HDMI sources to the HDMI IN ports.
2. Connect up to 4 HDMI displays to the HDMI OUT ports.
3. For control, connect to the captive screw port for IR and RS-232, or the LAN port for TCP/IP and webGUI.
4. Connect the included 24V power supply to the DC 24V port.
5. Connect the power supply to an AC outlet.

WebGUI

The AT-HDR-H2H-44MA includes a built-in webGUI, which allows easy management and control of all features. Follow the instructions below to access the webGUI.

1. View the IP address of the unit using the front panel OSD.
   - Press the FNC button.
   - Press button 4 (INFO). The firmware version will display on the front panel screen.
   - Press button 4 again to bring up the IP address.

NOTE: If there is no IP address or the unit is not connected to a DHCP network, press and hold buttons 1 + 2 for 5 seconds to switch the unit to a static IP address. The default static IP address and netmask is 192.168.1.254 255.255.0.0.

2. Launch a web browser and enter the IP address of the unit.
3. The AT-HDR-H2H-44MA **Login** page will be displayed.
4. Enter the following information on the **Login** page.

   Login: **root**
   Password: **Atlona**

5. Click the **Login** button.

Version 3

Warranty

To view the product warranty, use the following link or QR code:
https://atlona.com/warranty/.

English Declaration of Conformity

The English version can be found under the resources tab at:
https://atlona.com/product/at-hdr-h2h-44ma/.

Chinese Declaration of Conformity 中国RoHS合格声明

由SKU列出於:
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