ATLONA
Connecting Technology

4K HDR Two/Four-Output HDMI Distribution Amplifier

AT-RON-442 & AT-RON-444 Installation Guide

Please check http://www.atlona.com/AT-RON-442 or http://www.atlona.com/AT-RON-444 for the most recent **firmware update** or **manual**.

The Atlona Rondo™ series are HDMI distribution amplifiers for high dynamic range (HDR) formats. They are HDCP 2.2 compliant and support 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps. The Rondos are ideal for applications requiring the latest as well as emerging 4K/UHD and HDR sources and displays. They are compatible with all video resolutions, audio formats, and color space formats supported in the HDMI 2.0a specification, plus the ability to pass metadata for HDR content.

Package Contents

AT-RON-442

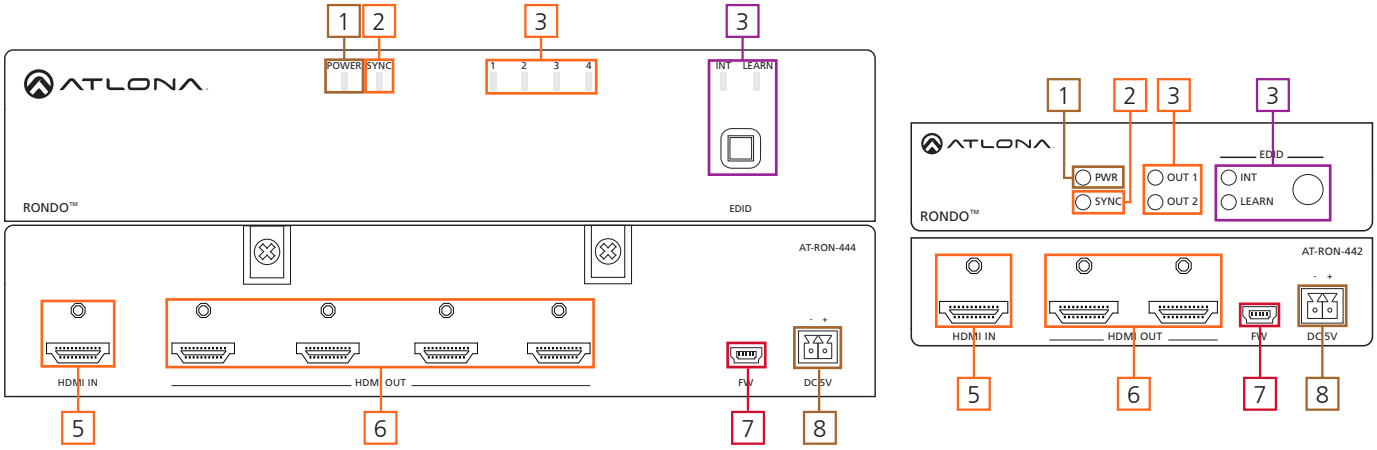
- 1 x Unit
- 1 x Female captive screw connector
  2 pin: Power
- 2 x Rack ears
- 4 x Rubber feet
- 4 x Screws
- 1 x 5V power supply
- 1 x Installation guide

AT-RON-444

- 1 x Unit
- 1 x Female captive screw connector
  2 pin: Power
- 2 x Mounting plates
- 4 x Rubber feet
- 4 x Screws
- 1 x 5V power supply
- 1 x Installation guide

Toll free: 1-877-536-3976
Local: 1-408-962-0515

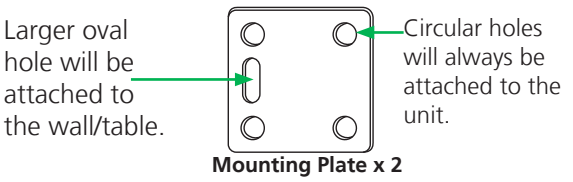
Panel Descriptions

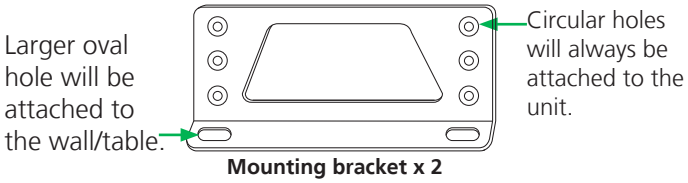


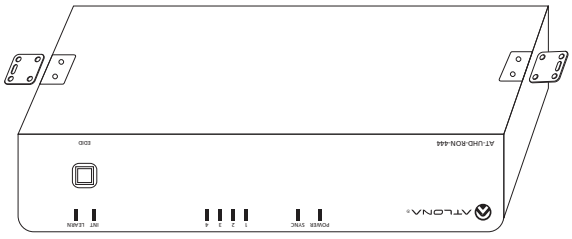
1. Power LED: Will light up when the distribution amplifier receives power
2. Sync LED: Illuminates when receiving signal from the source
3. Output LEDs: Each LED will illuminate for the corresponding connected displays
4. EDID
   LEDs: LED will illuminate to indicated the current EDID mode
   Button: Press to select between EDID modes
5. HDMI IN - Connect HDMI source here
6. HDMI OUT - Connect HDMI displays here
7. FW port - Connect a Mini USB to USB A cable for updating with a computer
   Note: Firmware updates can be found at http://www.atlona.com/product/AT-RON-442 or 444
8. DC 5V port - Connect included 5V power supply here

Mounting

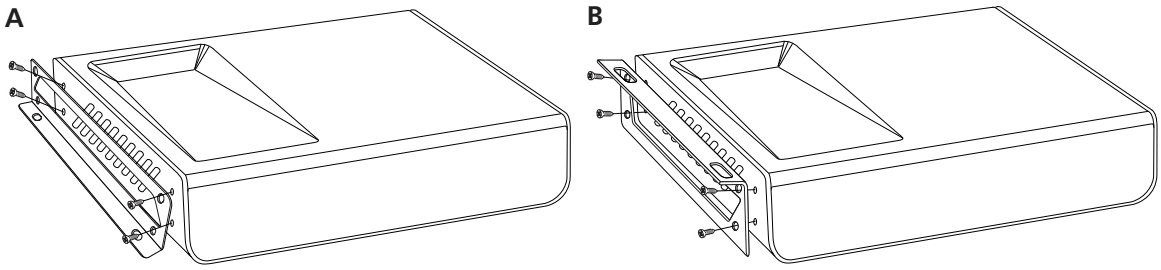
The Rondo comes with mounting brackets and mounting plates. The transmitter uses the mounting plates to be affixed to a table/desk/etc and the receiver will use the mounting brackets.







To affix the mounting plates to the unit, use the 4 screws included in the kit to connect them to the bottom of the Rondo. Once the plates are attached, turn the unit over and mount the unit to any surface using the oval holes in all four plates.



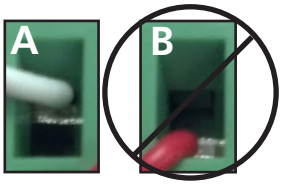
To affix the mounting brackets to the unit, use the four included screws as well as the four side case screws. The bracket can be affixed with the oval holes pointing to the bottom (for against the wall - picture A) or the oval holes facing the top (for under tables - picture B).

Captive Screw

The captive screw connectors allow you to cut cables to a suitable length, reducing cable clutter while providing a more reliable connection.

Connecting

When connecting the cables to the female captive screw connector it is important that the wires be terminated correctly. The female captive screw connector has a contact plate at the top and must have the wires touching it for signal to pass. When wired correctly (see picture A) the signal will pass, incorrectly (see picture B) no signal will pass.



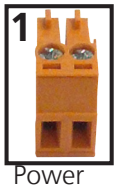
The captive screw connectors have a contact bar that is adjusted to compress the wire against the top contact plate. Use the screws at the top of the connector to compress the wire against the contact plate.

Clockwise

Turn the screws clockwise to raise the contact bar to the upper contact plate and hold the wires in place.

Counter Clockwise

Turn the screws counter clockwise to lower the contact bar to release the wires.



Power

Female captive screw connectors are included: Power (see picture 1).

Black: - **White**: +

The power cable (picture 2) will have exposed wires. Each wire is encased in a different colored cover.

EDID

Rondo has two EDID modes: Internal and Learn.

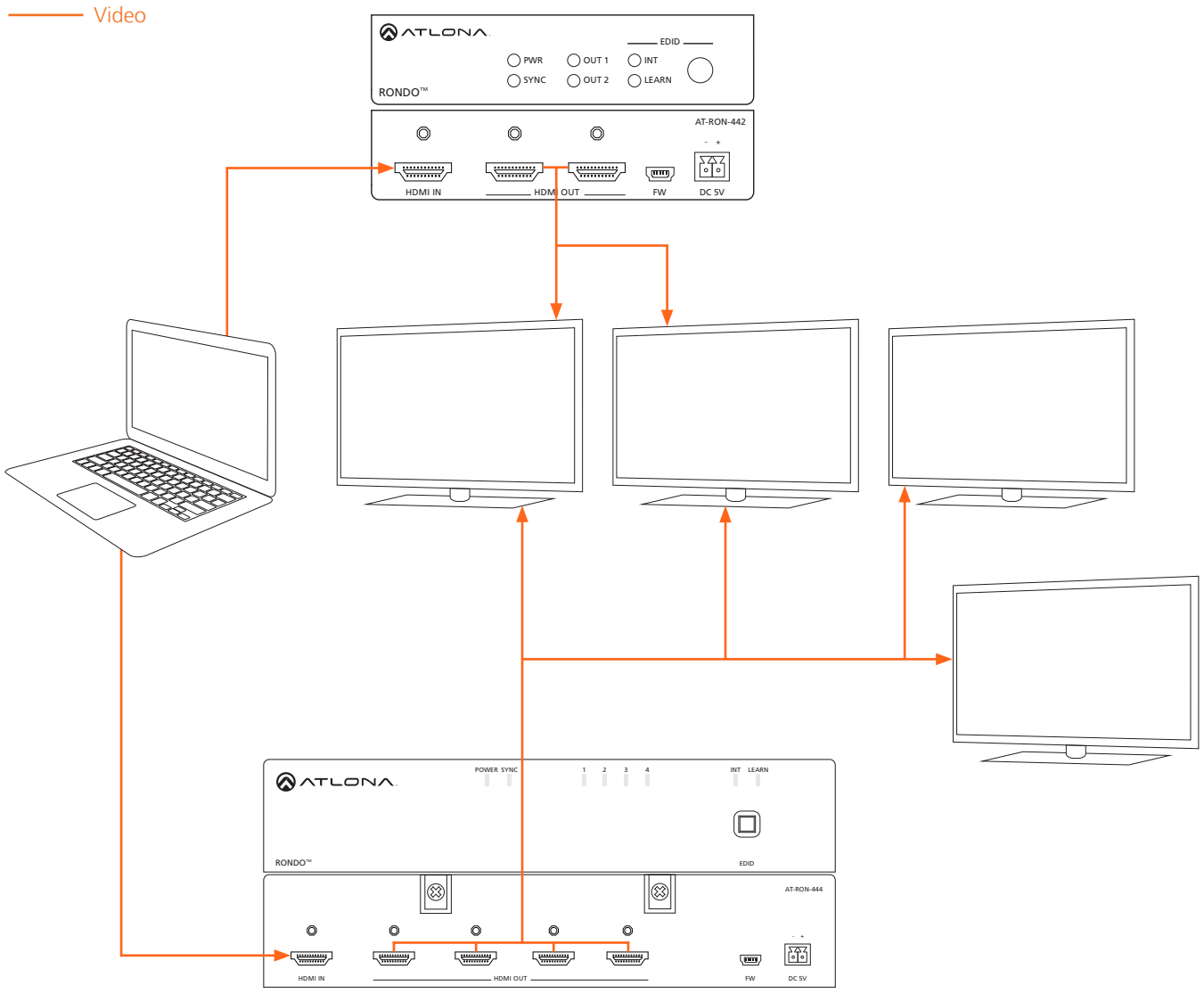
Internal mode selects the highest common resolution and audio between the source and all displays.

Note: 4K, 3D, and multichannel audio are only available on internal mode if all displays are capable of it.

Learn mode selects the highest common resolution and audio betwen the source and output 1.

To switch between internal and learn modes, press and hold the EDID button. While EDID is being learned, the learn led will blink. EDID learn is complete when the EDID learn LED goes solid.

Connection Diagram



Troubleshooting

1. How do I update my unit?

   Firmware and instructions can be found and downloaded from the firmware tab at http://www.atlona.com/product/AT-RON-442 or AT-RON-444

2. Does the Rondo have control?

   The only control is through the front panel for EDID. Press the EDID button to switch between Internal and Learn EDID modes

3. How do I get 3D to pass?

   To get 3D to pass on Internal all devices must be capable of 3D. To get 3D to pass when not all displays have 3D, connect the 3D display to output 1 and follow the learn EDID instructions.
   Note: When 3D signal is passed, any displays that do not support 3D will receive no picture.