



## Introduction

The Atlona Rondo™ 442 (AT-RON-442) is a 1x2 HDMI distribution amplifier 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 Rondo 442 is ideal for applications requiring 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 2.0a specification, plus the ability to pass metadata for HDR content. This Rondo Series HDMI distribution amplifier includes EDID management features, front panel LED indicators for power and signal status, and the capability to cascade several units without compromising performance.

## Key Features

### 1x2 HDMI distribution amplifier

- Delivers high performance, reliable HDMI signal distribution
- Easy to install and deploy in commercial and residential applications.

### 4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling, plus support for HDR formats

- Compatibility with new and emerging 4K/UHD and HDR-capable sources and displays.
- Fully supports video resolutions, audio formats, and color space formats in the HDMI 2.0a specification.

### HDCP 2.2 compliant

- Adheres to latest specification for High-bandwidth Digital Content Protection
- Allows protected content stream to pass between devices

### EDID management

- Manages EDID communications with the source through a display's EDID or internally stored EDID.
- Ensures desired audio formats and video resolutions are provided to the AV system.

### Supports cascading up to eight units

- Combine multiple Rondo 442 and other Rondo Series units without compromising performance or reliability.
- System designs and configurations can easily be adapted or modified as needed.

### Front panel power and signal status LED

- LED indicators provide power and HDMI input output signal status information.
- Provides easy setup and troubleshooting.

## Specifications

Video		
Signal	Input - HDMI Output - HDMI	
Copy Protection	HDCP 2.2	
Bandwidth	18 Gbps	
UHD/HD/SD	4096x2160 (DCI) @ 24/25/30/50/60 Hz 3840x2160 (UHD) @ 24/25/30/50/60 Hz 1920x1080p @ 23.97/24/25/29.97/30/50/60 Hz 1920x1080i @ 50/60 Hz 1280x720p @ 30/50/60 Hz	720x576p @ 50 Hz 720x576i @ 25/50 Hz 720x480p @ 60 Hz 640x480p @ 60 Hz 640x480i @ 60 Hz
VESA All resolutions are 60 Hz	2560x2048 2560x1600 2048x1536 1920x1200 1680x1050 1600x1200 1600x900 1440x900 1400x1050	1366x768 1360x768 1280x1024 1280x800 1280x768 1152x768 1024x768 800x600 640x480
Color Space	YUV, RGB	
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0	
Color Depth	8-bit, 10-bit, 12-bit	
HDR	HDR10, Hybrid-Log Gamma (HLG), and Dolby® Vision™ @ 60 Hz	

Audio			
HDMI Pass-Through Formats	LPCM 2.0 LPCM 5.1 LPCM 7.1	Dolby® Digital Dolby Digital Plus™ Dolby TrueHD Dolby Atmos®	DTS® Digital Surround™ DTS-HD Master Audio™ DTS:X®
Bit Depth	Up to 24 bits		
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz		

Resolution / Distance	4K/UHD - Feet / Meters		1080p - Feet / Meters	
HDMI IN/OUT	15	5	30	10

Buttons and Indicators	
<b>Control Buttons:</b> EDID	1 - momentary, tact-type
<b>Indicators:</b> POWER, SYNC, OUT 1, OUT 2, INT, LEARN	6 - LED, blue

Connectors	
HDMI IN	1 - Type A, 19-pin female
HDMI OUT	2 - Type A, 19-pin female
FW	1 - Mini USB, Female
PWR	1 - 2-pin captive screw

Temperature	Fahrenheit	Celsius
Operating	32 to 122	0 to 50
Storage	-4 to 140	-20 to 60
Humidity (RH)	20% to 90%, non-condensing	

Power	
Consumption	6W
BTU/h	20.5
Supply	Input: AC100-240V ~ 50/60Hz Output: DC 5V

Dimensions	Inches	Millimeters
H x W x D	1.02 x 4.29 x 3.5	26 x 109 x 89

Weight	Pounds	Kilograms
Device	0.4	0.2

Certification	
Device	CE, FCC
Power Supply	CE, FCC, Level VI, RoHS, cULus, RCM, CCC

Warranty	
Device	To view the product warranty, use the following link: <a href="https://atlon.com/warranty">https://atlon.com/warranty</a>

## Accessories

SKU	Description
AT-LC-H2H-1M	LinkConnect HDMI to HDMI 1 Meter Cable
AT-LC-H2H-2M	LinkConnect HDMI to HDMI 2 Meter Cable
AT-LC-H2H-3M	LinkConnect HDMI to HDMI 3 Meter Cable

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