



The Atlona Rondo™ Series 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 AT-RON-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. The AT-RON-442 includes EDID management features, front panel LED indicators for power and signal status, and the capability to cascade several units without compromising performance.

The AT-RON-442 is designed to deliver dependable, pristine-quality image presentations in commercial and residential applications. It includes Atlona's award-winning 10 year limited product warranty and customer support services, so that integrators can specify, purchase, and install with confidence.

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 AT-RON-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 Resolutions

Video	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz (UHD), 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i	
VESA	2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 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	

Audio

HDMI	LPCM 2.0, LPCM 5.1, LPCM 7.1, Dolby® Digital, DTS® 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio™, Dolby Atmos™, DTS:X™	
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz	
Bit Rate	up to 24-bit	

Distance

HDMI IN/OUT @ 4K	up to 5 m	up to 15 ft
HDMI IN/OUT @ 1080p	up to 10 m	up to 30 ft

Signal

Bandwidth	18 Gbps
CEC	Compliant
HDCP	2.2 compliant

Temperature

Operating	0 °C to 50 °C	32 °F to 122 °F
Storage	-20 °C to 60 °C	-4 °F to 140 °F
Humidity	20 to 90% non-condensing	

Power

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

Dimension

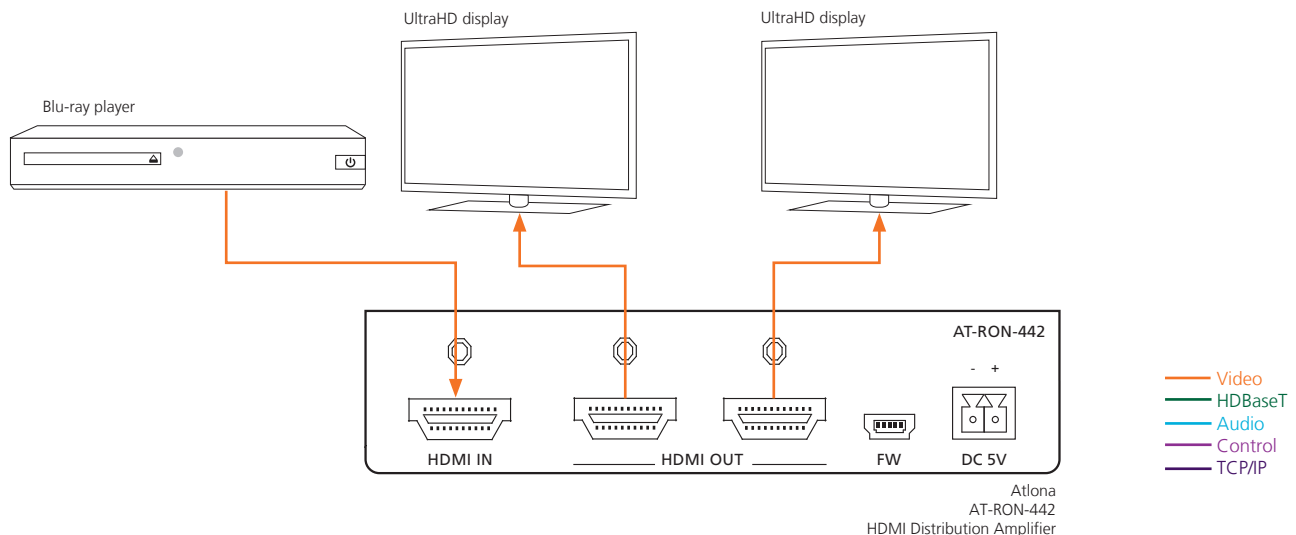
H x W x D	26 x 109 x 89 (mm)	1.02 x 4.29 x 3.5 (inch)
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Weight

Device	200 g	0.4 lbs
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Certification

Unit	CE, FCC
Power Supply	CE, FCC, Level VI, RoHS, cULus, RCM, CCC



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