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.

The Rondo 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 Rondo 442 and other Rondo Series units without compromising performance or reliability
- System designs and configurations can easily be adapted or modified as needed
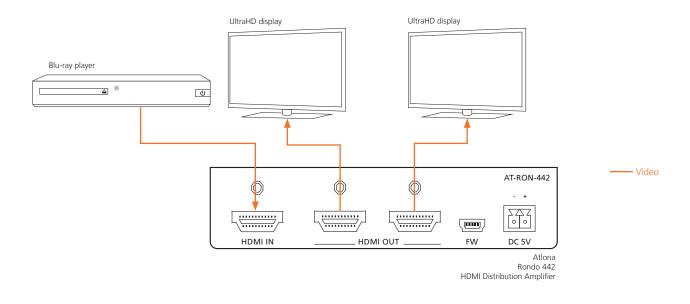
Front panel power and signal status LED -
- LED indicators provide power and HDMI input / output signal status information
- Provides easy setup and troubleshooting

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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)

Weight

Device	0.2 kg	0.4 lbs

Certification

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

UltraHD display   UltraHD display

Blu-ray player

AT-RON-442

- +

HDMI IN   HDMI OUT   FW   DC 5V

Video

Atlona
Rondo 442
HDMI Distribution Amplifier

Specifications and availability subject to change without notice. Actual products, product images, and online product images may vary from images shown here. Not responsible for typographical errors.

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