



## Introduction

The Atlona AT-OME-RX11 is an HDBaseT receiver for video up to 4K/60 4:2:0, plus embedded audio, control, and Ethernet over distances up to 330 feet (100 meters). Part of the Omega™ Series of integration products for modern AV communications and collaboration, the OME-RX11 is HDCP 2.2 compliant and receives RS-232 and IP control signals. Additionally, this receiver features two-channel audio de-embedding to a balanced analog audio output. The OME-RX11 is locally powered, and can deliver Power over Ethernet (PoE) over HDBaseT to an Atlona Omega Series, HDVS-200 Series, or AT-UHD-EX-100CE-TX-PD transmitter.

The OME-RX11 incorporates many popular integration convenience features, while delivering excellent performance and value for 4K presentation applications. The Ethernet port on the OME-RX11 is for IP pass-through with the transmitter.

## Applications

- **Complete system integration**  
The OME-RX11 and an Omega Series switcher together provide a comprehensive and cost-effective integration solution for meeting rooms and other AV presentation spaces..
- **Larger system applications**  
The OME-RX11 offers a new option for legacy Atlona transmitters and switchers with HDBaseT outputs, to provide audio de-embedding for feeding into an amplifier and speakers.

## Key Features

### Video, audio, power, and data over category cable utilizing HDBaseT technology

- Receives up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable.
- Uses easy-to-integrate category cable for low-cost, reliable system installation.

### 4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling

- Compatible with sources up to 4K/60 4:2:0 and 4K/30 4:4:4.
- Supports HDMI data rates up to 10 Gbps from PCs, media players, and Ultra HD Blu-ray players.

### HDCP 2.2 compliant

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

### Local AC powering – PoE (Power over Ethernet) source

- Supplies industry standard IEEE 802.3af PoE over HDBaseT to an Omega Series, HDVS-200 Series, or AT-UHD-EX-100CE-TX-PD transmitter.
- Allows convenient transmitter installation at any remote location, without the need for local AC power.

### Audio de-embedding

- De-embeds two channel PCM audio to a balanced, analog audio output.
- Deliver audio to an amplifier and speakers for sound reinforcement.

### Front panel power and signal status LEDs

- LED indicators provide power and HDBaseT link status information.
- Provides convenient setup and troubleshooting.

### Low-profile, 1.02 inch (26 mm) high enclosure

- Easy installation into confined spaces below tables, in furniture, and behind or above displays.
- Includes mounting hardware for installation onto surfaces.

## Specifications

Video	
HDMI	2.0
HDCP	2.2
UHD/HD/SD	4096x2160@60/50/30/25/24Hz 3840x2160@60/50/30/25/24Hz 1080p@60/59.9/50/30/29.97/25/24/23.98Hz 1080i@30/29.97/25Hz 720p@60/59.94/50Hz
VESA	576p@50Hz 576i@25Hz 480p@60/59.96Hz 480i@30Hz
Color Space	2560x1600 2048x1536 1920x1200 1680x1050 1600x1200 1440x900 1400x1050 1280x1024
Chroma Subsampling	1280x800 1366x768 1360x768 1152x864 1024x768 800x600 640x480
Color Depth	YUV, RGB
Color Depth	4:4:4, 4:2:2, 4:2:0
Color Depth	8-bit, 10-bit, 12-bit

Audio			
HDMI Pass-Through Formats	PCM 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 Rate	24 Mbits/s max		
Analog Audio			
Format	Stereo 2-Channel		
Output level	L: 5.883 Vrms R: 5.855 Vrms		
Frequency Response	20 Hz to 20 kHz		
THD+N	< 0.00009% at 20 Hz to 20 kHz		
SNR	> 141.49 dB at 1 kHz		
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz		

Control	
RS-232	2-way device control and monitoring Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200
CEC Support	Yes

Resolution / Distance	4K/UHD - Feet / Meters		1080p - Feet / Meters	
HDMI IN/OUT	15	5	30	10
CAT5e	295	90	330	100
CAT6/6a/7	330	100	330	100

Connectors, Controls, and Indicators	
HDBaseT IN	1 - RJ45, female
HDMI OUT	1 - Type A, 19-pin female
AUDIO OUT	1 - 5-pin captive screw, balanced / unbalanced 2-channel
RS-232	1 - 3-pin captive screw (bidirectional)
LAN	1 - RJ45, 100Base-T
FW	1 - Mini-USB, 5-pin female
DC 24V	1 - 4-pin, mini-DIN locking connector
PWR indicator	1 - LED, green
LINK indicator	1 - LED, yellow

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

Power	
Consumption	15.12 W
Supply	Input: 100 - 240 VAC, 50/60 Hz Output: DC 24 V / 2.7 A

Dimensions	Inches	Millimeters
H x W x D	1.02 x 4.29 x 5.24	26 x 109 x 133

Weight	Pounds	Kilograms
Device	0.90	0.41

Certification	
Device	CE, FCC
Supply	CE, FCC, UL

## Accessories

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