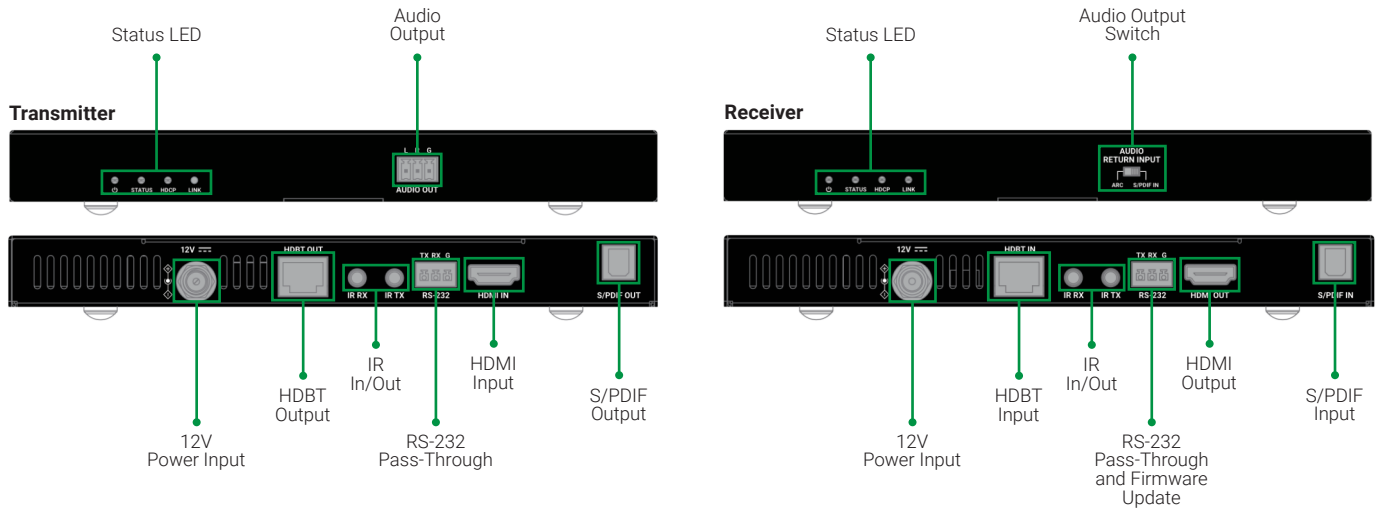


40m 4K HDBaseT Extender with ARC and Audio Breakout EX-40-H2-ARC



WyreStorm - Powerful. Reliable. Simple.

Introduction

The EX-40-H2-ARC is a 4K60 4:4:4 HDBaseT 2.0 extender designed for residential applications that demand audio return flexibility. Featuring ARC and S/PDIF pathways from RX to TX and analog audio breakout from the HDMI input, this unit is the perfect fit for installations involving modern TVs and legacy audio systems

Key Features

- Uncompressed HDMI 2.0 video up to 4K@60Hz 4:4:4 over a single Cat6a/7 cable, with support for up to 70m at 1080p
- Supports HDMI ARC and S/PDIF audio return from the display to the source
- Bi-directional Power over Cable
- Dolby Vision (LLDV), HDR10, HDR10+, HLG • CEC transparency for ARC
- Supports HDR10, HDR10+, HLG, and Dolby Vision (low-latency)
- EDID copy from display
- Includes PSU, mounting hardware, IR cables, and Phoenix connectors

In the Box

- 1x EX-40-H2-ARC Transmitter
- 1x EX-40-H2-ARC Receiver
- 1x 12V DC 3A Power Supply (US/EU/UK/AU)
- 3x 3-pin Screw Down Male Phoenix Connectors
- 1x IR Receiver
- 1x IR Transmitter
- 4x Mounting Brackets (2x TX | 2x RX)
- 1x Quickstart Guide

Specifications

Audio and Video	
Inputs	1x HDMI (TX), 1x HDBaseT (RX)
Outputs	1x HDMI (RX), 1x HDBaseT (TX), 1x Toslink, 1x Analog 3-pin Phoenix
End to End Latency	<1ms
Resolutions Supported	800x600 [®] , 1024x768 [®] , 1280x768 [®] , 1280x800 [®] , 1280x960 [®] , 1280x1024 [®] , 1360x768 [®] , 1366x768 [®] , 1440x900 [®] , 1600x900 [®] , 1600x1200 [®] , 1680x1050 [®] , 1920x1080 [®] , 1920x1200 [®] , 3840x2160 ^{2,3,5,6,8} , 4096x2160 ^{2,3,5,6,8} 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = at 75 Hz;
Input Signal Type	HDMI with HDCP 2.2
Maximum Pixel Clock	600 MHz
Maximum Data Rate	18Gbps
Video Resolutions (Max)	Up to 4096x2160 @ 60Hz 4:4:4
Audio Formats Supported	HDMI: PCM 2.0/5.1/7.1, Dolby TrueHD, Atmos, DTS:X S/PDIF and ARC: PCM 2.0, Dolby Digital, DTS 5.1
Transmission Distance	Cat 5e/6: 35m/115ft 4K@60Hz 4:4:4 60m/197ft 1080P@60Hz Cat 6a/7: 40m/131ft 4K@60Hz 4:4:4 70m/197ft 1080P@60Hz HDMI: Input/Output: 15m/49ft 1080p@60Hz Input/Output: 10m/33ft 4K@30Hz 4:4:4 Input/Output: 5m/16ft 4K@60Hz 4:4:4
Communication and Control	
HDMI	HDCP 2.2 EDID CEC (transparent on ARC)
RS-232	Bi-directional, 3-pin Phoenix
IR	Bi-directional, 3.5mm TRS
Power	
Power Supply	DC 12V/3A
Power Consumption (Maximum)	Receiver is powered by transmitter: 18.72W Transmitter is powered by receiver: 18.96W Transmitter and receiver are powered separately: Transmitter: 8.4W Receiver: 6.6W
Environmental	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)
Dimensions	
Height	21mm / 0.83in
Width	195mm / 7.68in
Depth	94.8mm / 3.73in
Weight	Transmitter: 0.4kg/0.88lb Receiver: 0.4kg/0.88lb
Regulatory	
Safety and Emission	CE FCC RoHS RCM EAC UKCA

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.