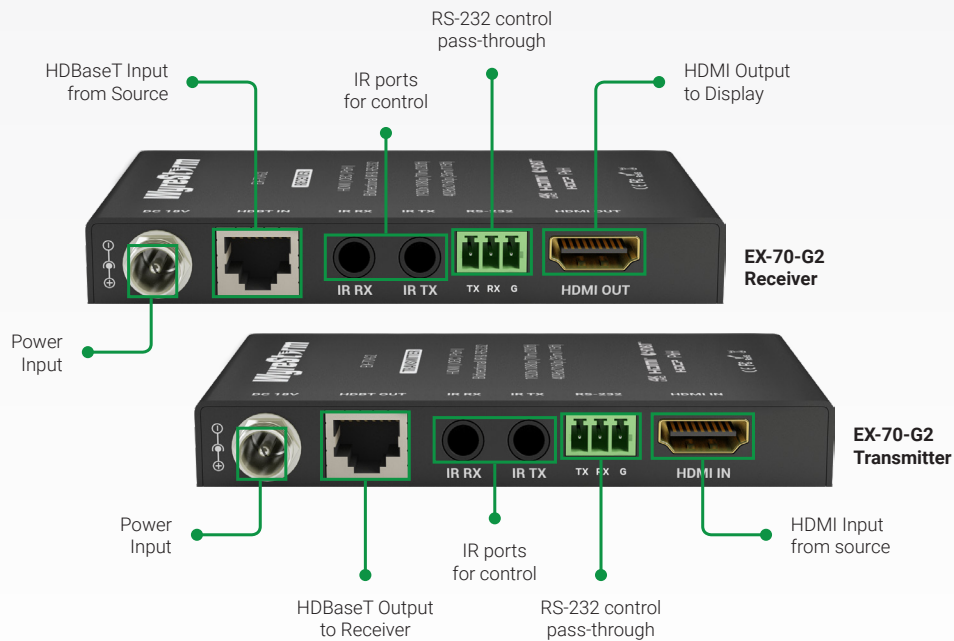


4K UHD HDBaseT™ Extender with HDCP, PoH and CEC Passthrough (4K: 35m/115ft | 1080p: 70m/230ft)

EX-70-G2

WyreStorm

Specification Sheet



4K UHD | C-HDBT™ | HDMI™ | HDCP 2.2 | PoH

WyreStorm - Because the Technology Matters.

Introduction

Super-compact HDBaseT extender set capable of transmitting 4K UHD video and HD audio formats up to 35m/115ft of Cat5e cable. Also compatible with HDCP 2.2 protected content, the EX-70-G2 has powerful bi-directional pass-through of CEC, IR and RS-232. 2-way PoH means device can be powered from either end for flexible installation options.

Key Features

- Extends 4K UHD video content to 35m/115ft
- Compatible with 2160p 4:2:0 60Hz or 4:4:4 & RGB 30Hz Content
- HDCP 2.2 encryption compliant
- Extends 1080p HDMI signal to 70m/230ft
- 2ch PCM and multichannel audio supported up to DTS:X and Dolby Atmos
- 2-Way PoH provides flexible installation options allowing TX or RX only to be powered
- Bidirectional IR & RS-232 pass-through
- Automatic EDID Management (copy from sink device)
- Supports CEC communication between devices
- Low profile 15mm chassis allows easy installation behind flush-mounted screens
- Threaded DC socket for secure power connection
- Visual LED indication for power supply to units, signal status to show established display connection, HDCP presence in signal and HDBaseT™ link between devices

In the Box

1x EX-70-G2 Transmitter
1x EX-70-G2 Receiver
1x 18V DC 1A Power Supply (US/UK/EU)
1x IR Emitters

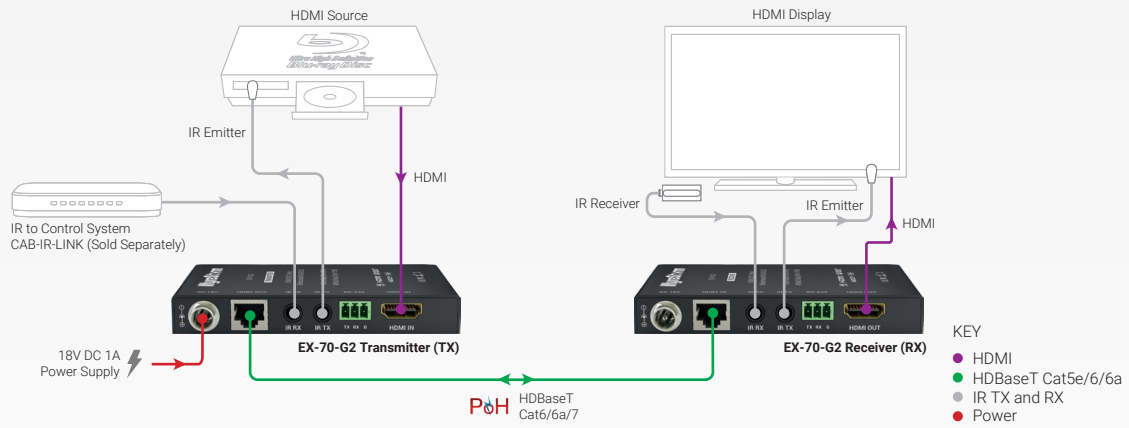
1x IR Receivers (30-50KHz)
4x Mounting Brackets (1pr for TX and 1pr for RX)
1x Quickstart Guide (this document)
2x 3-pin Phoenix Connector

Note: This product has been released in multiple versions which have different feature sets and/or chassis designs. The differences are identified throughout this document where applicable.

Specifications

Audio and Video				
	Transmitter	Receiver		
Inputs	1x HDMI In: 19-pin type A	1x HDBT In: 8-pin RJ-45 Female		
Outputs	1x HDBT Out: 8-pin RJ-45 Female	1x HDMI Out: 19-pin type A		
Output Video Encoding	HDBaseT Class B			
Encoding Data Rate	9.2Gbps			
End to End Latency (Max)	10µs (micro seconds)			
Audio Formats	2ch PCM Multi Channel up to Dolby Atmos® and DTS-X™			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft
4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft	
Supported Standards	DCI RGB			
Maximum Pixel Clock	HDMI: 300MHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDMI HDCP (v1 chassis 1.4 v2 chassis 2.2) EDID Pass-through CEC Pass-through DVI/D supported with adapter (not included)			
HDBaseT	HDMI HDCP (v1 chassis 1.4 v2 chassis 2.2) EDID Pass-through 2-way PoH Bidirectional IR			
IR	1x IR TX: 3.5mm (1/8in) TS Mono 1x IR RX: 3.5mm (1/8in) TRS Stereo			
RS-232	1x RS-232: 3-pin Phoenix (v2 chassis only)			
Power				
Power Supply	18V DC 1A			
PoH	IEEE 802.3af 15.4W Max 2-way			
Max Power Consumption	Transmitter: 7W Receiver: 17W			
Environmental				
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing			
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing			
Maximum BTU	Transmitter: 24 BTU/hr Receiver: 58 BTU/hr			
Dimensions and Weight				
	v1 Chassis	v2 Chassis		
Rack Units/Wall Box	<1U	<1U		
Height	15mm/0.6in	15mm/0.6in		
Width	109mm/4.3in	108.8mm/4.29in		
Depth	64.2mm/2.53in	64.2mm/2.53in		
Weight	0.36kg/0.79lbs	0.36kg/0.79lbs		
Regulatory				
Safety and Emission	CE FCC RoHS			

Right Product for the Right Application.



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