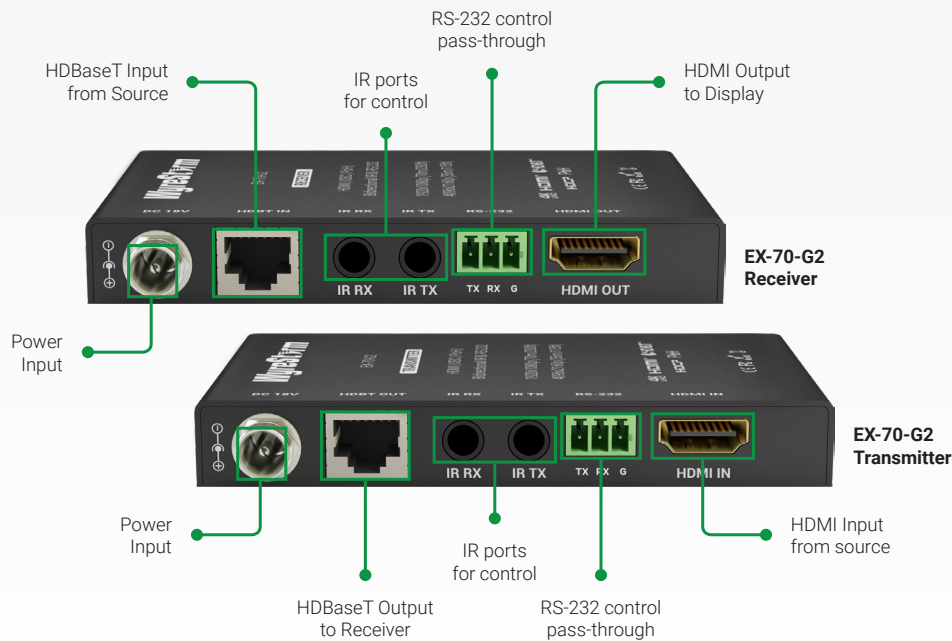


# 4K UHD HDBaseT™ Extender with HDCP, PoH and CEC Passthrough (4K: 35m/115ft | 1080p: 70m/230ft)

EX-70-G2

# WyreStorm

## Specification Sheet



4K UHD | HDBaseT | 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

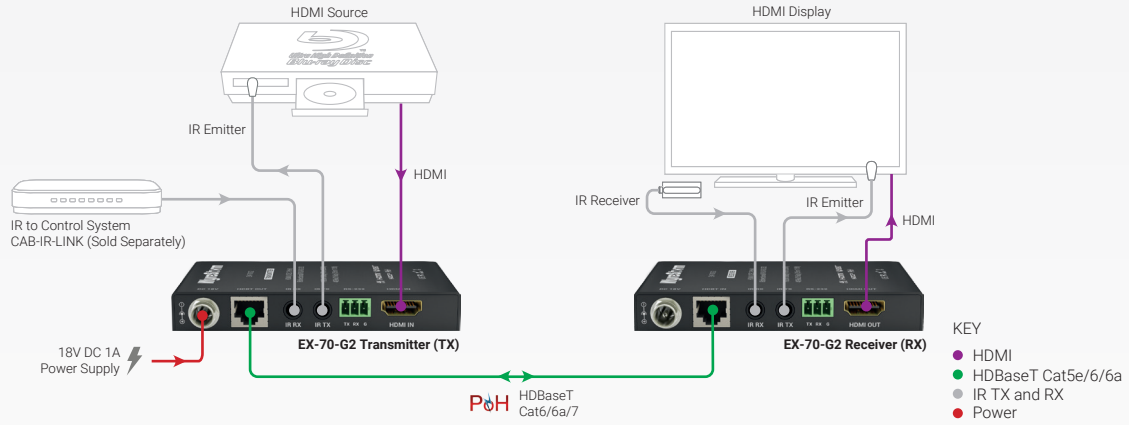
1x IR Receivers (30-50KHz)  
4x Mounting Brackets (1pr for TX and 1pr for RX)  
1x Quickstart Guide (this document)  
2x 3-pin Phoenix Connector

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