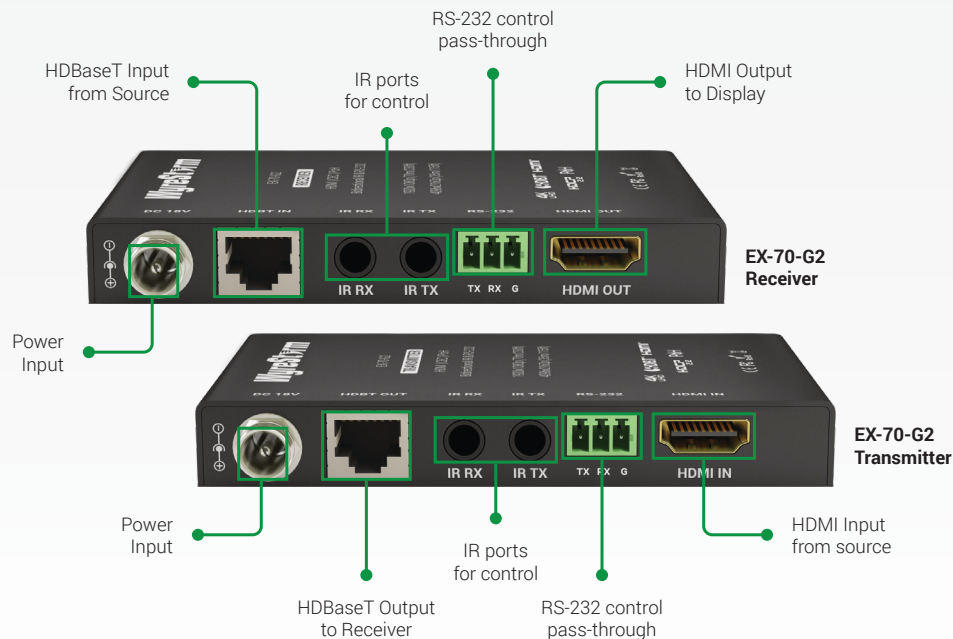


# 4K UHD HDBaseT™ Extender with HDCP, PoH and CEC Passthrough (4K: 35m/115ft | 1080p: 70m/230ft)

EX-70-G2

**WyreStorm**

## Specification Sheet



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## 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 HDCP2.2 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/AU)  
1x IR Emitters

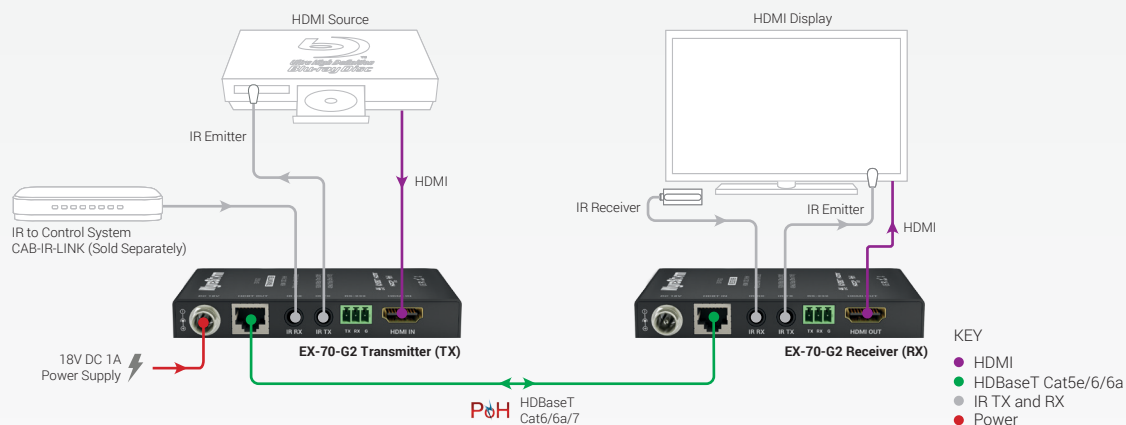
1x IR Receivers (30-50KHz)  
4x Mounting Brackets (1pr for TX and 1pr for RX)  
1x Quickstart Guide (this document)  
2x 3-pin Phoenix Connector

**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        | 10μs (micro seconds)                                                                                                                                            |                                |
| Audio Formats             | 2ch PCM   Multi Channel up to Dolby Atmos® and DTS-X™                                                                                                           |                                |
| Video Resolutions (Max)   | 1920x1080p @60Hz 16bit<br>3840x2160p @30Hz 8bit 4:4:4<br>3840x2160p @60Hz 8bit 4:2:0<br>4096x2160p @60Hz 8bit 4:2:0<br>5120×1440 @30Hz<br>5120×1440 @60Hz 4:2:0 |                                |
| Maximum Pixel Clock       | HDMI: 300MHz   HDBaseT: 297MHz                                                                                                                                  |                                |
| Supported Standards       | DCI   RGB                                                                                                                                                       |                                |
| Communication and Control |                                                                                                                                                                 |                                |
| HDMI                      | HDMI   HDCP (v1 chassis 1.4   v2 chassis 2.2)   EDID Pass-through   CEC Pass-through<br>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                                                                                                                                  |                                |
| 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   RCM   EAC   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.