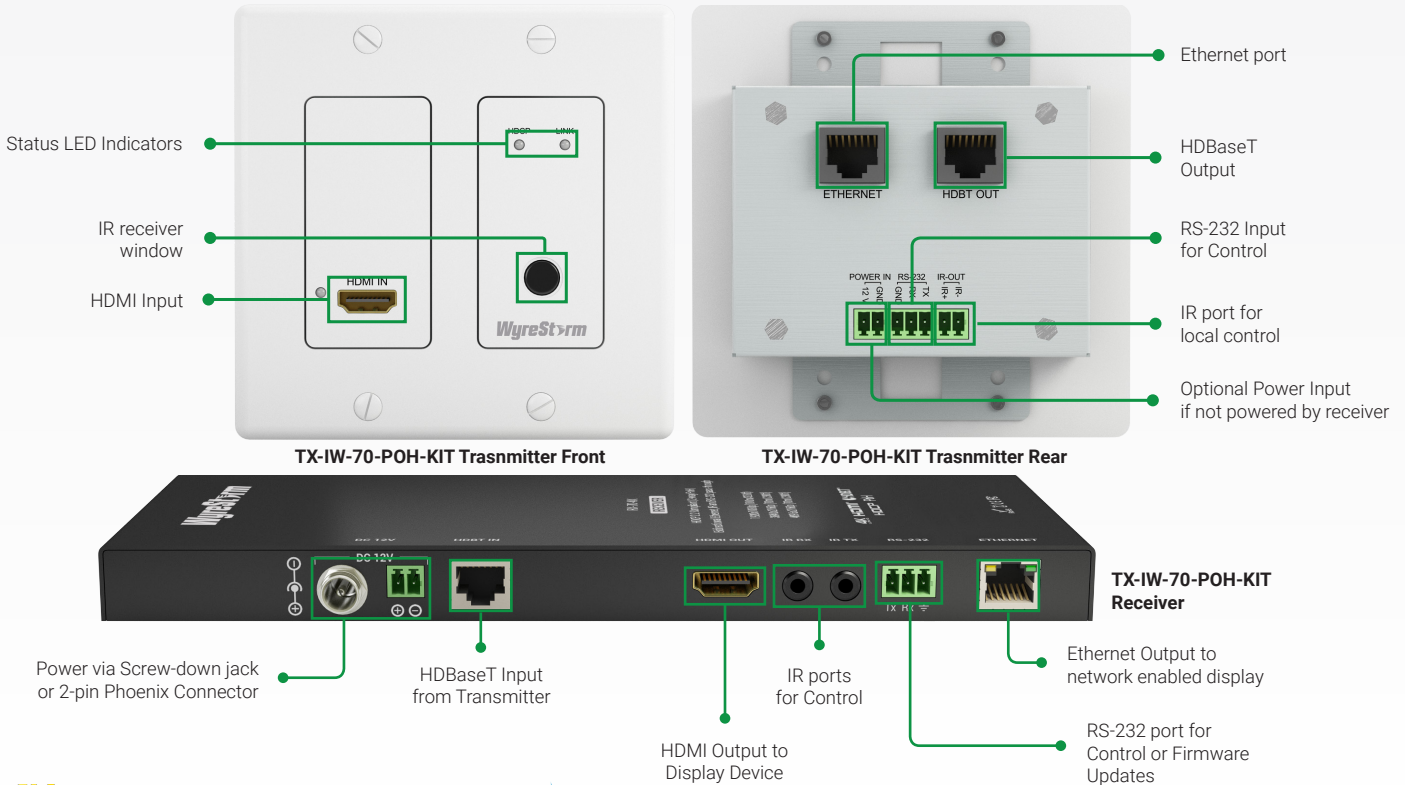


# In-Wall 4K HDR HDBaseT™ Transmitter and Receiver Kit with PoH (4K: 70m/230ft | 1080p: 100m/328ft)

**TX-IW-70-POH-KIT**

**WyreStorm**

**Specification Sheet**



4K UHD | HDBaseT | HDMI | HDCP 2.2 | PoH

WyreStorm - Because the Technology Matters.

## Introduction

The TX-IW-70-POH-KIT is a 2-Gang in-wall HDMI to HDBaseT 4K transmitter and standalone HDBaseT™ receiver kit that enables the reliable distribution of video up to 4K resolutions with HDR, multichannel audio, bidirectional control via IR and RS-232, PoH power and Ethernet passthrough over distance.

## Key Features

- Complete 2-Gang Decora in-wall Class A HDBaseT™ transmitter and standalone receiver kit
- Extends 4K UHD video with HDR (HDMI only) up to 70m/230ft or 1080p to 100m/238ft over single Cat6 using HDBaseT™ technology
- Class A HDBaseT™ support: 4K/HD video, multichannel audio, Ethernet passthrough, bidirectional control (IR & RS-232) and Power over HDBaseT™
- TX and RX capable of being powered locally or remotely via PoH
- HDCP 2.2 compliant

### Additional features on Transmitter

- Powered either locally or remotely from included receiver or PoH compatible matrix if used as part of a WyreStorm matrix switcher system
- Built-in IR receiver window for easy TV/projector control, EDID management and automatic input detection
- Bidirectional IR supported with built-in IR receiver window for easy TV/projector control

- Supports Ethernet pass-through
- LED indication for HDCP presence within signal and transmission link between devices

### Additional features on Receiver

- Supports serial routing and CEC passthrough when used as part of compatible matrix system
- Transmits discrete wide-band bidirectional IR control signal/routed serial commands from compatible matrix together within the HDMI signal
- Multichannel audio up to Dolby Atmos and DTS:X
- Switchable RS-232 selection for firmware update
- Additional phoenix port and threaded DC for use of both standard and locking DC power plugs
- Visual LED indication for power supply, signal status to show display connection, HDCP in signal and Link between HDBaseT™ devices
- Automatically adjusts feedback, equalization and amplification of signal

## In the Box

1x TX-IW-70-POH HDBaseT Wall Plate Transmitter  
1x RX-70-4K Receiver  
2x 3-pin Plug-in Phoenix Connector  
3x 2-pin Plug-in Phoenix Connector

1x Wide-band IR Emitter  
1x Wide-band IR Receiver (30-50KHz)  
1x Decorative Wall Plate with 4 screws  
4x 6-32x20mm Wall Plate Installation Screws

2x Receiver Mounting Brackets  
1x 12v 2A PSU  
1x TX-70-POH Quickstart Guide  
1x RX-70-4K Quickstart Guide

# Specifications

Audio and Video				
	Transmitter	Receiver		
Inputs	1x HDMI 19-pin type A	1x HDBaseT 8-pin RJ-45 female		
Outputs	1x HDBaseT 8-pin RJ-45 female	1x HDMI 19-pin type A		
Audio Formats	2ch PCM   Up to 7.1 DTS Master HD and Dolby True HD			
Video Resolutions (Max)	Resoluton	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	70m/230ft
	3840x2160p @30Hz 4:4:4 8bit	7m/23ft	70m/230ft	100m/328ft
	4096x2160p @24Hz 4:2:0 8bit	7m/23ft	70m/230ft	100m/328ft
Supported Standards	DCI   RGB			
Maximum Pixel Clock	297MHz			
Communication and Control				
HDMI	HDCP 2.2   EDID   DVI/D supported with adapter (not included)			
HDBaseT	HDCP 2.2   EDID   1-way PoH (RX to TX)   Bidirectional IR, RS-232, and Ethernet			
Ethernet	1x Ethernet: 8-pin RJ-45 Female   Bidirectional over HDBaseT			
IR	Transmitter: 1x IR Out 2-pin Screw Down Phoenix Connector Receiver: 1x IR TX 3.5mm (1/8in) TS Mono   1x IR RX 3.5mm (1/8in) TRS Stereo Bidirectional over HDBaseT			
RS-232	1x 3-pin Screw Down Phoenix Connector   Bidirectional over HDBaseT			
Power				
Power Supply	TX: 12V DC 1A   RX: 12V DC 2A			
PoH	48V 15.4W			
Max Power Consumption	TX: 2.4W   RX: 7.2W   TX and RX: 9.6W			
Environmental				
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing			
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing			
Maximum BTU	TX: 8.19 BTU/hr   RX: 24.6 BTU/hr   TX and RX: 32.75W BTU/hr			
Dimensions and Weight				
	Transmitter	Receiver		
Rack Units   Wall Box	2-gang	<1U		
Height	108mm/4.26in	18mm/0.71in		
Width	106.7mm/4.21in	232mm/9.14in		
Depth	25mm/0.99in	93mm/3.67in		
Weight	0.19kg/0.42lbs	0.5kg/1.1lbs		
Regulatory				
Safety and Emission	CE   FCC   RoHS			

# Right Product for the Right Application.

