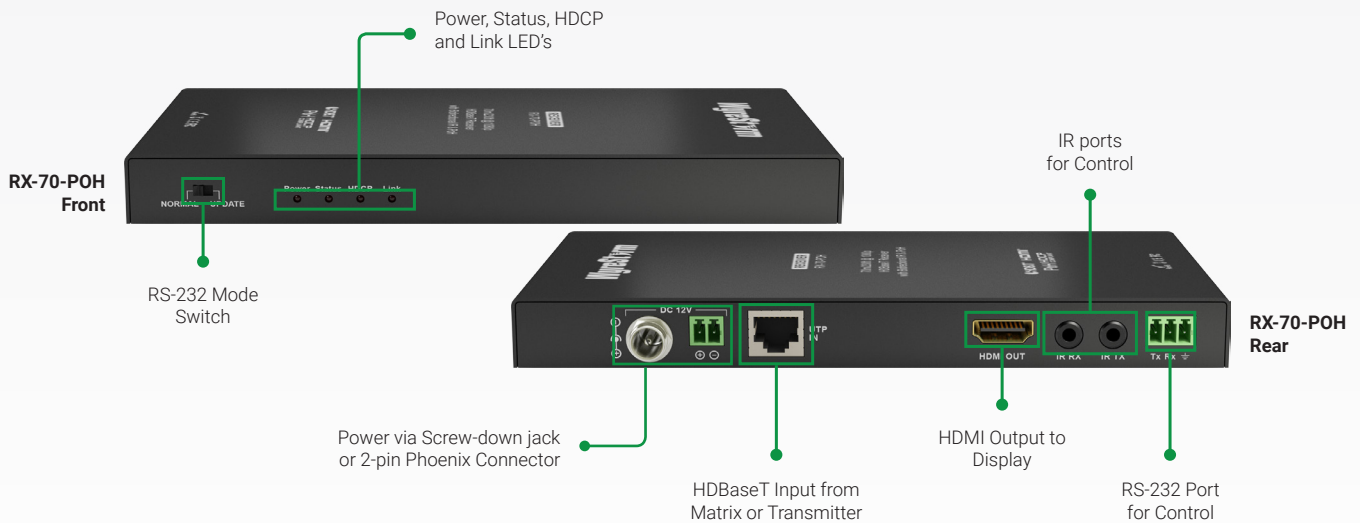


HDBaseT™ 4K UHD Receiver with Bidirectional IR, RS-232 and PoH (4K: 35m/115ft | 1080p: 70m/230ft)

RX-70-POH

WyreStorm

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

As slim as it is powerful, the RX-70-POH HDBaseT™ Display Receiver receives 4K transmissions up to 35m/114ft and full 1080p@60Hz/36bit up to 70m/230ft, with multichannel audio, bidirectional IR control, RS-232 and remote power from WyreStorm PoH matrices, transmitters or presentation switchers along a single Cat5e/6 cable - all within a low-profile chassis capable of placement behind even the slimmest display wall mounts.

Key Features

- Display receiver supporting transmissions of 4K and 1080p HD video, HD multichannel audio and control transmissions using single Cat5e/6
- Supporta 4K transmission distances up to 4096x2160@30/60Hz 4:2:0
- Supports 70m/230ft HD transmission distances of 1080p, 1080i, 720p with screen refresh rates of 24Hz, 30Hz, 50Hz and 60Hz (1080p)
- Robust Class B HDBaseT™ transmission technology
- 24bit color (4K), 36bit Deep Color (1080p)
- Multichannel audio supports 7.1 DTS Master HD and Dolby True HD
- Power-over-HDBaseT™ (PoH) - power passed directly along Cat5e/6 to all connected PoH-enabled receivers for local power
- Additional power connectivity via threaded bushings for both standard and locking DC power plugs and phoenix connector
- Transmits discrete wide-band bidirectional IR control signals together within the HDMI signal over a single Cat5e/6
- Switchable RS-232 for firmware updates serial third party control of matrix switching from display zones if connected to a compatible HDBaseT™ transmission device - check website for compatibility
- Open source integration protocols available for market leading control systems
- HDCP 2.2 compliant with constant feed to prevent screen dropouts
- Cable termination follows IEEE-568B standards
- Internal handling of EDID and automatic adjustment of feedback, equalization and amplification of signal for easy set-up

In the Box

1x RX-70-POH Display Receiver
1x Quickstart Guide
2x Mounting Brackets
1x Wide-band IR Emitter

1x Wide-band IR Receiver (30-50KHz)
1x 3-Pin Screw Down Phoenix Connector
1x 2-Pin Screw Down Phoenix Connector

Specifications

Audio and Video				
Inputs	1x HDBaseT 8-pin RJ-45 female			
Outputs	1x HDMI 19-pin type A			
Audio Formats	2ch PCM Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	NA	NA	
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDMI: 600Mhz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDCP 2.2 EDID DVI/D supported with adapter (not included)			
HDBaseT	HDCP 2.2 EDID PoH (1-way TX to RX) Bidirectional IR, RS-232			
IR	1x IR TX 3.5mm (1/8in) Mono 1x IR RX 3.5mm (1/8in) Stereo Bidirectional over HDBaseT			
RS-232	1x 3-pin Phoenix Connector Bidirectional over HDBaseT			
Power				
Power Supply	Input: 100~240V AC 50/60Hz Output: 12V DC 2A			
Max Power Consumption	7.2W			
PoH	48V 15.4W			
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	24.6 BTU/hr			
Dimensions and Weight				
Rack Units Wall Box	<1U			
Height	18mm/0.71in			
Width	181.7mm/7.16in			
Depth	94mm/3.71in			
Weight	0.4kg/0.88lbs			
Regulatory				
Safety and Emission	CE FCC RoHS			

Right Product for the Right Application.

