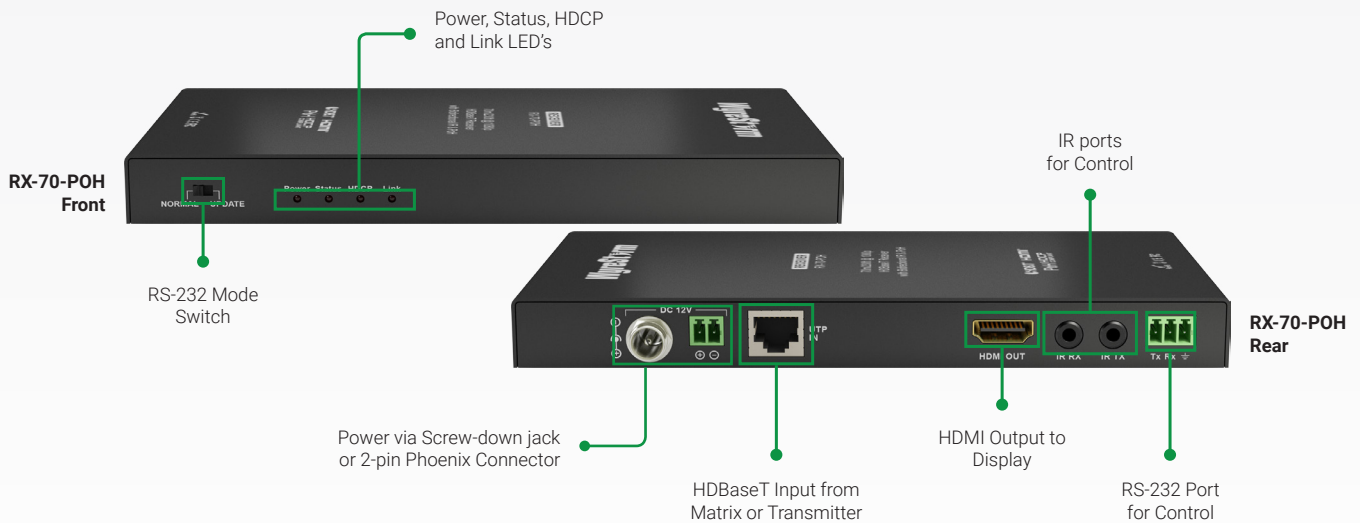


HDBaseT™ 4K UHD Receiver with Bidirectional IR, RS-232 and PoH (4K: 35m/115ft | 1080p: 70m/230ft)

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.

