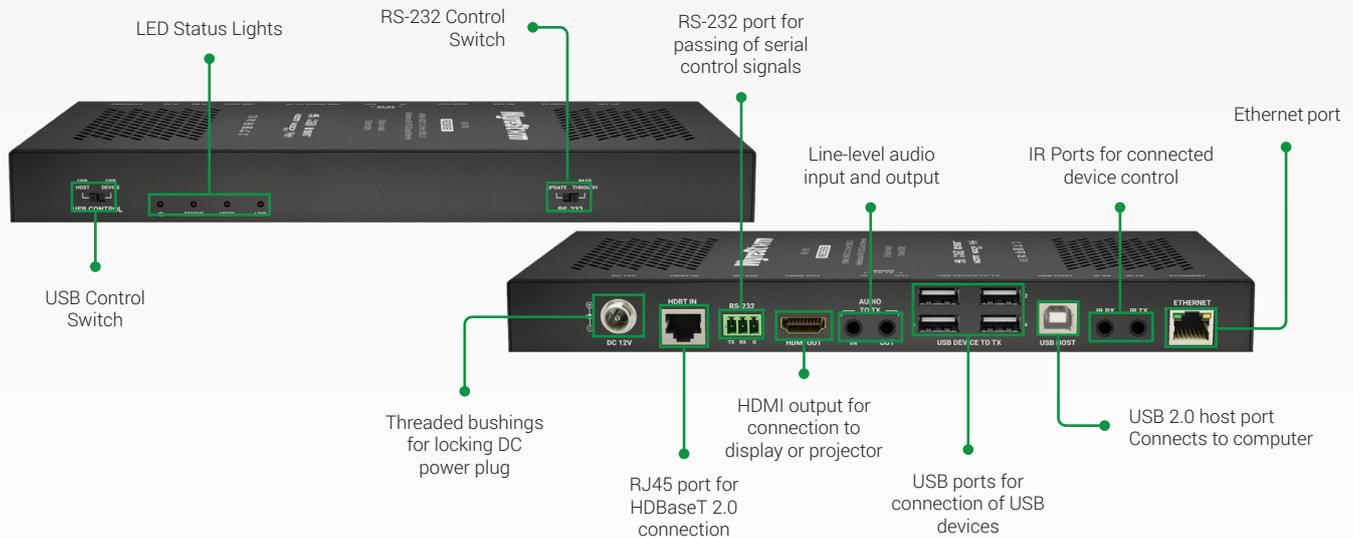


4K HDR 4:4:4 60Hz HDBaseT2.0 Receiver with USB Device Inputs, Ethernet & PoH (4K: 100m/328ft)

RX-700

WyreStorm

Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

Introduction

Utilizing the best in HDBaseT technology, the RX-700 extends 5-Play functionality to your display device over 100m/328ft of Cat 6 cable. Using DSC (display stream compression) the RX-700 can support HDMI video up to 2160p 4:4:4 at 60Hz without any visual loss in quality or latency. With HID's and data transfer in mind, the RX-700 supports data transmission of USB 2.0 devices like HD webcams, smart whiteboards and flash drives alike.

Key Features

- HDBaseT Receiver supporting:
 - Content up to 4K/60 4:4:4 & RGB 8-bit
 - The latest HDR standards, including HDR-10, HLG and Dolby Vision at 30Hz
 - HDCP 2.3 encryption technology ensuring compatibility with the latest 4K UHD content and sources
 - HD Multichannel audio up to DTS:X and Dolby Atmos to all outputs
 - 2160p 4:4:4 or 4:2:2 12-bit HDR content from a source to a display or projector using HDBaseT up to 100m/328ft
- Automatically activated DSC lossless compression handles HDMI content up to 17.8Gbps
- HDMI output supports bandwidths of up to 18Gbps
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- Bidirectional USB 2.0 passthrough offering 190Mbps transfer and HID extension
- Features 4 USB device ports
- 10/100 Ethernet port for extension of LAN from TX
- Bidirectional audio lane separate to HDMI signal sends and receives analog audio signals at either end (requires supporting TX device)
- Bidirectional IR, RS-232 and CEC communication
- DIP Switch selection for direction of USB control, long cable mode and firmware update
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- LED indication for power supply to units, signal status to show established display connection, HDCP presence in signal and transmission link
- 2-way PoH (Power over HDBaseT) enables the receiver to be remotely powered by the transmitter or power a transmitter
- Locking DC power jack
- 12v DC PSU with US, UK, EU & AU Power cables included
- Mounting brackets included

In the Box

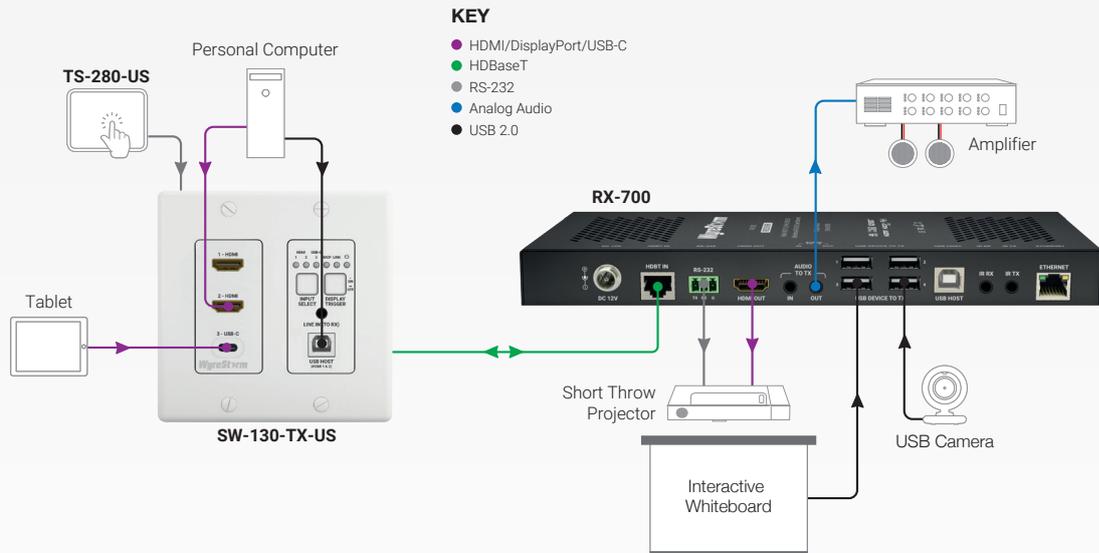
- 1x RX-700 Receiver
- 1x IR Emitter
- 1x IR Receiver
- 1x 3-pin Terminal Block

- 1x 12V DC 3A Power Supply (US/UK/EU/AU)
- 2x Mounting Brackets
- 1x Quickstart Guide (This Document)

Specifications

Transmission				
Transmission Encoding	HDBaseT Class C PAM16 Encoding			
End to End Latency	10µs			
Maximum Transmission Bit Rate	10.2Gbps			
Video				
HDMI	v2.0b TMDS 600MHz Maximum With DSC (Display Stream Compression)			
Input	1x HDBT In: 8-pin RJ45			
Output	1x HDMI Out: 19-pin type A			
Maximum Pixel Clock	HDMI: 600MHz HDBaseT: 340MHz			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz	15m/49ft	70m/230ft	100m/328ft
	2560x1440p @144Hz	15m/49ft	100m/328ft	100m/328ft
	3840x2160p @60Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	5m/16ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 12bit 4:2:2 HDR	5m/16ft	70m/230ft	100m/328ft
Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.				
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Audio				
Inputs	1x Audio In: 3.5mm (1/8in) TRS Stereo 2ch audio over HDBaseT 1-way to TX			
Outputs	1x Audio Out: 3.5mm (1/8in) TRS Stereo 2ch audio over HDBaseT 1-way from RX			
Audio Formats	2ch PCM Multichannel LPCM DTS-X Dolby Atmos			
Maximum Sampling Rate	192KHz			
Maximum Audio Channels	32			
Communication and Control				
USB	1x Type B (host) 4x Type A (device)* USB direction must be set using switch before operation USB hub compatible Maximum: 7 devices, 23 endpoints Maximum uplink speed: 190Mbps *USB direction must be set using switch before operation			
IR	1x IR RX: 3.5mm (1/8in) TRS Stereo 1x IR TX: 3.5mm (1/8in) TS Mono			
RS-232	1x RS-232: 3-pin Phoenix			
HDCP	Pass-through, 2.3 Supported			
EDID	Pass-through, RX>TX			
Ethernet	1x Ethernet: 8-pin RJ-45 Female Bidirectional over HDBaseT 100Mbps Supported			
Consumer Electronics Control (CEC)	One-way display trigger from TX			
Auto Low Latency Mode (ALLM)	Supported			
Variable Refresh Rate (VRR)	Supported			
Power				
Power Supply	18V DC 3A			
Max Power Consumption	10W			
Power-over-HDBaseT (PoH)	Supported, 2-way			
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	2.93 BTU/hr			
Dimensions and Weight				
Installation	Wall mounted Free standing			
Height	25mm/0.98in			
Width	245mm/9.64in			
Depth	90mm/3.54in			
Weight	0.62kg/1.36lbs			
Regulatory				
Safety and Emission	CE FCC RoHS RCM EAC			

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.