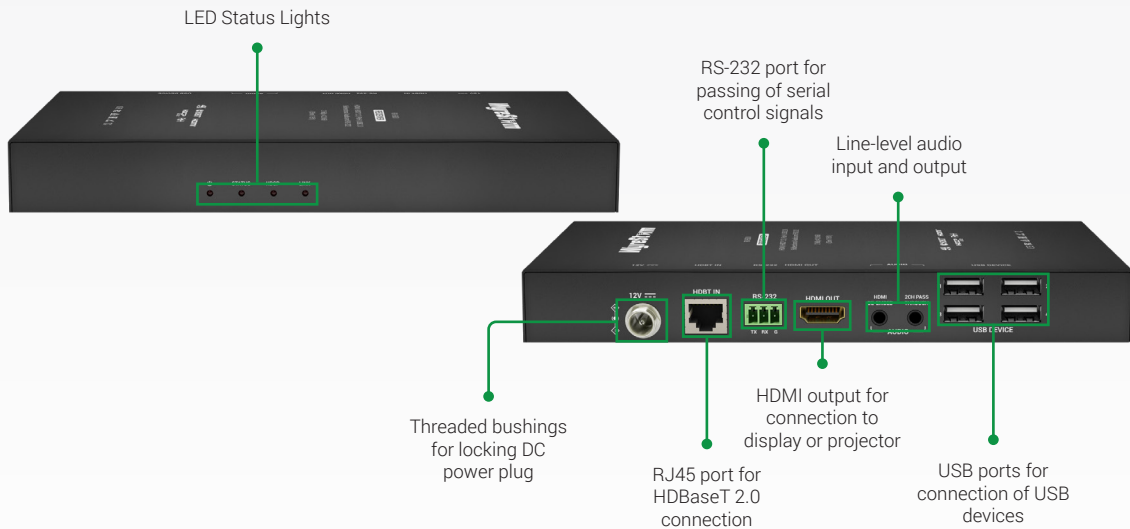


# 4K HDR 4:2:0 60Hz HDBaseT2.0 Receiver with USB Device Inputs, Ethernet & PoH (4K: 35m/115ft)

**RX-500**

**WyreStorm**

## Specification Sheet



4K HDR 2160p 4:4:4 60 HDBaseT™ HDMI HDCP 2.2 PoH

*WyreStorm - Powerful. Reliable. Simple.*

## Introduction

The little brother to the RX-700, the RX-500 also utilizes HDBaseT 2.0 technology extending 4K video, USB 2.0, audio and control point to point up to 35m/115ft. The RX-500 still maintains the ability send HID's and data back to the transmitter with USB 2.0 compatible devices such as HD webcams, smart white boards and data drives alike

## Key Features

- HDBaseT Receiver supporting:
  - Content up to 4K/60 4:2:0 & RGB 8-bit
  - The latest HDR standards, including HDR-10, HLG and Dolby Vision at 30Hz
  - HDCP 2.2 encryption technology ensuring compatibility with the latest 4K UHD content and sources
  - HD Multichannel audio up to DTS:X and Dolby Atmos via HDMI
  - 2160p 4:2:0 60Hz HDR content from a source to a display or projector using HDBaseT up to 35m/115ft
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- USB 2.0 passthrough offering 190Mbps transfer and HID extension
- Features 4 USB device ports
- Supports analog audio pass-through from transmitter to receiver
- Supports analog audio de-embed from HDMI output
- Bi-directional RS-232 and CEC pass-through communication
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- PoH from RX>TX

## In the Box

- 1x RX-500 Receiver
- 1x 12V DC 2A PSU with (US/UK/EU/AU)
- 2x Mounting Brackets with Screws
- 1x 3-pin Terminal Block
- 1x QuickStart Guide

# Specifications

Audio and Video				
<b>Inputs</b>	1x HDBT In: 8-pin RJ-45 Female 4x USB Type A (Device)			
<b>Outputs</b>	1x HDMI Out: 19-pin type A 2x Audio Out/De-embed: 3.5mm (1/8in) TRS Stereo			
<b>Output Video Encoding</b>	HDBaseT Class B			
<b>Encoding Data Rate</b>	10.2Gbps			
<b>End to End Latency</b>	10µs (micro seconds)			
<b>Audio Formats</b>	HDMI Out: 2ch Analog/PCM   Multichannel: LPCM up to DTS-X and Dolby Atmos Audio Out/De-embed: 2ch Analog/PCM			
<b>Video Resolutions (Max)</b>	<b>Video Resolution</b>	<b>HDMI</b>	<b>Cat6</b>	<b>Cat6a/7</b>
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	7m/49ft	35m/115ft	35m/115ft
	3840x2160p @60Hz 8bit 4:2:0	7m/49ft	35m/115ft	35m/115ft
	<b>Note:</b> WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.			
<b>Supported Standards</b>	DCI   RGB   HDR   HDR10   Dolby Vision up to 30Hz   HLG   BT.2020   BT.2100			
<b>Maximum Pixel Clock</b>	297MHz			
Communication and Control				
<b>HDMI</b>	HDMI   HDCP 2.2   EDID   CEC Pass-through   DVI/D supported with adapter (not included)			
<b>HDBaseT</b>	HDMI   USB   HDCP 2.2   EDID   1-way PoH (RX powers TX)   Bidirectional RS-232   CEC			
<b>RS-232</b>	1x RS-232: 3-pin Phoenix			
<b>USB</b>	4x Type A (device) USB hub compatible   Maximum: 7 devices, 23 endpoints Maximum uplink speed: 190Mbps			
Power				
<b>Power Supply</b>	12V DC 2A			
<b>Avg. Power Consumption</b>	8W			
Environmental				
<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing			
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing			
<b>Avg. BTU</b>	27 BTU/hr			
Dimensions and Weight				
<b>Rack Units   Wall Box</b>	<1U			
<b>Height</b>	25mm/0.98in			
<b>Width</b>	210mm/8.26in			
<b>Depth</b>	90.2mm/3.55in			
<b>Weight</b>	0.46kg/1.01lbs			
Regulatory				
<b>Safety and Emission</b>	CE   FCC   RCM   EAC   RoHS			

**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.