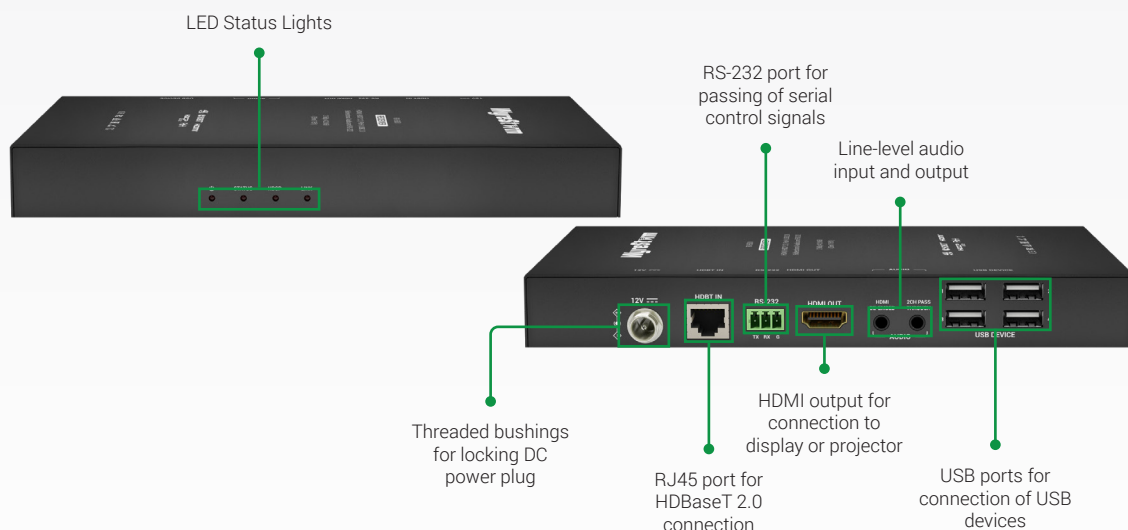


# 4K HDR 4:2:0 60Hz HDBaseT2.0 Receiver with USB Device Inputs, Ethernet & PoH (4K: 35m/115ft)

**RX-500**

**WyreStorm**

## Specification Sheet



*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				
Inputs	1x HDBT In: 8-pin RJ-45 Female 4x USB Type A (Device)			
Outputs	1x HDMI Out: 19-pin type A 2x Audio Out/De-embed: 3.5mm (1/8in) TRS Stereo			
Output Video Encoding	HDBaseT Class B			
Encoding Data Rate	10.2Gbps			
End to End Latency	10μs (micro seconds)			
Audio Formats	HDMI Out: 2ch Analog/PCM   Multichannel: LPCM up to DTS-X and Dolby Atmos Audio Out/De-embed: 2ch Analog/PCM			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	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
	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			
Maximum Pixel Clock	297MHz			
Communication and Control				
HDMI	HDMI   HDCP 2.2   EDID   CEC Pass-through   DVI/D supported with adapter (not included)			
HDBaseT	HDMI   USB   HDCP 2.2   EDID   1-way PoH (RX powers TX)   Bidirectional RS-232   CEC			
RS-232	1x RS-232: 3-pin Phoenix			
USB	4x Type A (device) USB hub compatible   Maximum: 7 devices, 23 endpoints Maximum uplink speed: 190Mbps			
Power				
Power Supply	12V DC 2A			
Avg. Power Consumption	8W			
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			
Avg. BTU	27 BTU/hr			
Dimensions and Weight				
Rack Units   Wall Box	<1U			
Height	25mm/0.98in			
Width	210mm/8.26in			
Depth	90.2mm/3.55in			
Weight	0.46kg/1.01lbs			
Regulatory				
Safety and Emission	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.