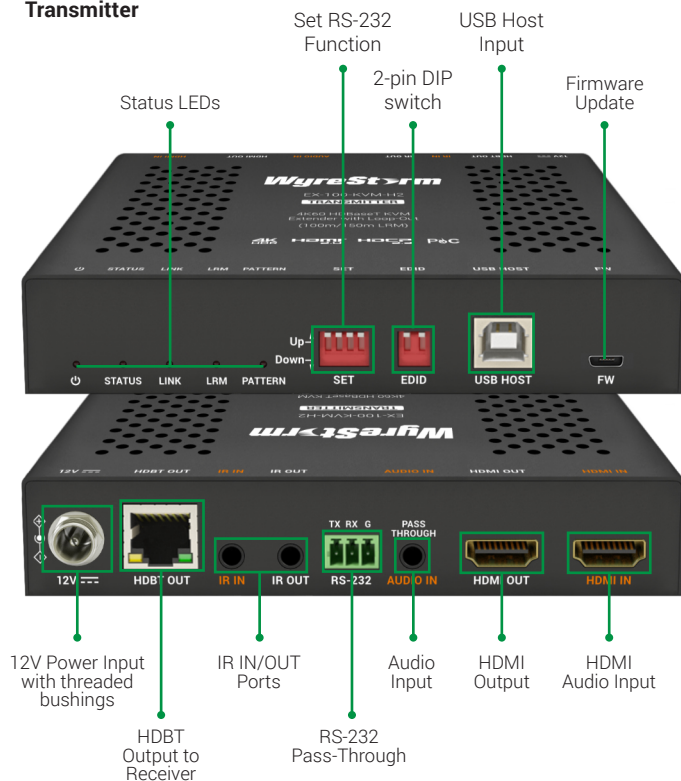


4K60 HDBaseT KVM Extender with Loop-Out (100m/150m LRM)

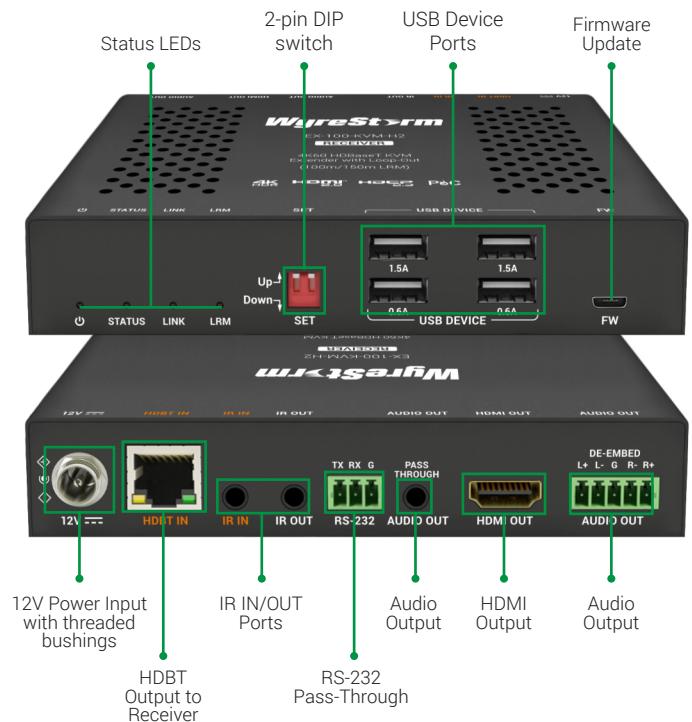
EX-100-KVM-H2

WyreStorm
Specification Sheet

Transmitter



Receiver



WyreStorm - Powerful. Reliable. Simple.

Introduction

The EX-100-KVM-H2 is a professional 4K60 HDMI and USB 2.0 KVM extender designed to transmit video, USB peripherals, audio, and control signals up to 100 meters over a single Cat6 cable. Supporting HDMI 2.0, HDCP 2.3, HDR10, and bi-directional PoC, the system enables reliable remote workstation control with zero compromise in video quality. Ideal for conference rooms, education environments, and control systems, the extender simplifies installation while delivering seamless keyboard, mouse, and peripheral extension alongside ultra-high-definition video.

Key Features

- Uncompromised HDMI 2.0 signal extension supports up to 4K@60Hz 4:4:4 and HDCP 2.3
- Designed for real-world commercial installations, the extender supports two transmission modes:
 - HDBaseT Mode: Up to 100m (328ft) with full 4K60 video and USB 2.0 performance
 - Long-Reach Mode (LRM): Up to 150m (492ft) for extended infrastructure flexibility
- Extends USB devices alongside video, enabling complete remote control of PCs and media systems
- Built-in HDMI loop-out on the transmitter provides simultaneous local video output while extending the signal remotely
- Beyond video and USB, the EX-100-KVM-H2 transports: RS-232 control, Bi-directional IR, Embedded audio pass-through & Balanced audio de-embedding
- Built-In Installation & Diagnostic Tools
- EDID DIP switch configuration
- Audio pass-through & balanced de-embed
- Bi-directional IR
- One-way PoC power

In the Box

- | | |
|--------------------------------------|----------------------------|
| 1× Transmitter | 1× 5-pin Phoenix connector |
| 1× Receiver | 1× IR Receiver |
| 1× 12V 3A Locking PSU (multi-region) | 1× IR Transmitter |
| 8× Mounting ears | 1× Quick Start Guide |
| 2× 3-pin Phoenix connectors | |

Specifications

Audio and Video		
Inputs	Transmitter	Receiver
	1x HDMI 2.0 (Type-A female) 1x USB-B 1 x Audio In (Passthrough) 1x IR 3.5mm	1x HDBaseT RJ-45 1x IR 3.5mm
Outputs	1x HDMI 2.0 Loop Out (Type-A female) 1x HDBaseT RJ-45 1x IR 3.5mm	1x HDMI 2.0 (Type-A female) 1x Audio Out (Passthrough) 1x Balanced Analog Audio Out 4x USB-A 1x IR 3.5mm
Video Encoding	HDMI 2.0	
Audio Formats	HDMI IN/OUT: Up to 7.1ch, including PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio and DTS:X AUDIO OUT: PCM 2.0	
Video Resolutions (max)	3840×2160@60Hz 4:4:4	
Supported Standards	HDMI 2.0, HDCP 2.3	
Performance	HDMI bandwidth: 18Gbps USB bandwidth: 255 Mbps HDBaseT Mode: 4K60 + USB2.0 up to 100m Long-Reach Mode: 4K60 + USB1.1 up to 150m	
Communication & Control		
HDMI	HDMI 2.0 HDCP 2.3 EDID CEC Pass-through	
HDBaseT	HDMI HDCP 2.3 EDID Line Audio 1-way PoH (RX powers TX) Bidirectional IR Bidirectional RS-232 CEC	
RS-232	1x RS-232: 3-pin Phoenix (Transmitter and Receiver)	
USB	1x Type B (host) 4x Type A (device) Maximum uplink speed: 255Mbps	
EDID Setting	DIP Switch copy and fix	
Firmware Update	Micro USB port	
Power		
Power Supply	12V DC 3A	
Environmental		
Operating Temperature	0°C to 45°C (32°F to 113°F)	
Storage Temperature	-20°C to 70°C (-4°F to 158°F)	
Humidity	10% to 90%, non-condensing	
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)	
Dimensions		
Height	25mm / 0.98"	
Width	140mm / 5.51"	
Depth	100mm / 3.94"	
Weight	0.33kg / 0.73lb	0.34kg / 0.75lb
Regulatory		
Safety and Emission	CE RoHS RCM EAC UKCA	

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