

HDMI & USB Single Gang In-Wall HDBaseT Transmitter

TX-35-IW-KVM

WyreStorm®

Quickstart Guide

💡 WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



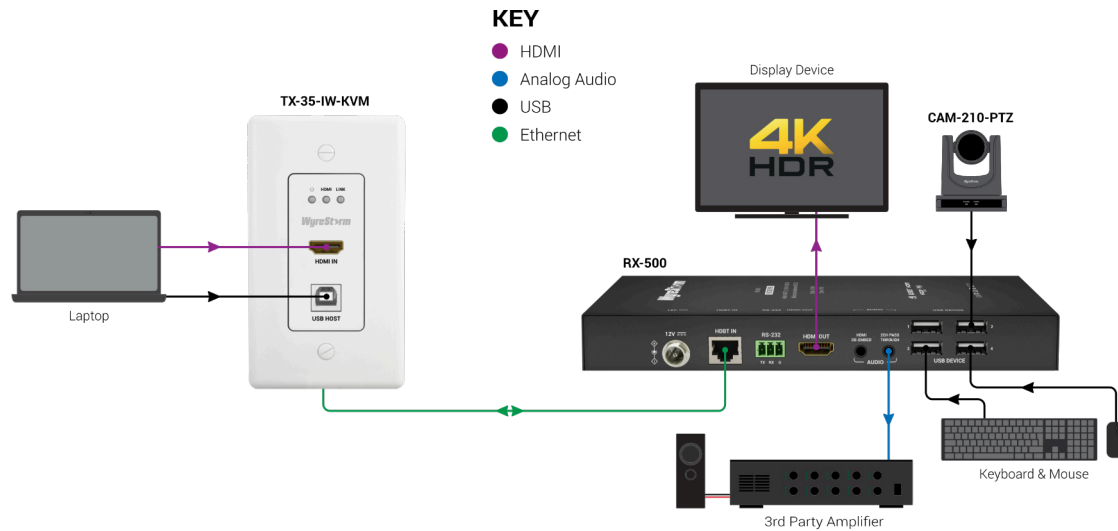
⚠️ IMPORTANT! Installation Requirements

- Read through the [Wiring and Connections](#) section for important wiring guidelines before creating or choosing premade cables.
- Visit the product pages to download the latest firmware, document version, additional documentation, and configuration tools.

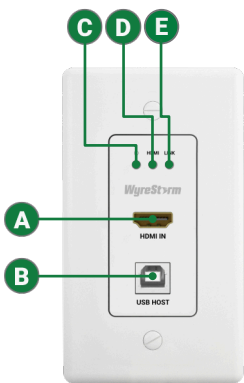
In the Box

- 1x TX-35-IW-KVM
- 1x 2 pin Phoenix Male Connector
- 1x 3-pin Phoenix Male Connector
- 1x Wall Plate Plastic Panel (1-gang US)
- 1x USB-B to USB-A host cable
- 1x Quickstart Guide (This Document)

Basic Wiring Diagram

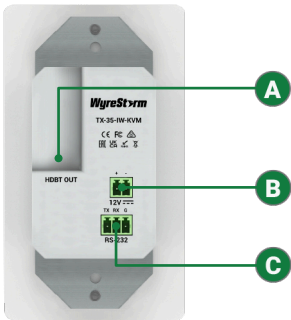


TX-35-IW-KVM (Front)



A	HDMI Input	19-pin type A HDMI female Supports HDMI and DVI/D with adapter
B	USB Host	USB Type B female Connection of USB Host device
C	Power LED	On: The unit is powered On Off: The unit is powered Off
D	Source LED	On: Indicates the selected source
E	Link LED	On: Indicates link with receiving device Off: No link with receiver/powerd off

TX-35-IW-KVM (Rear)



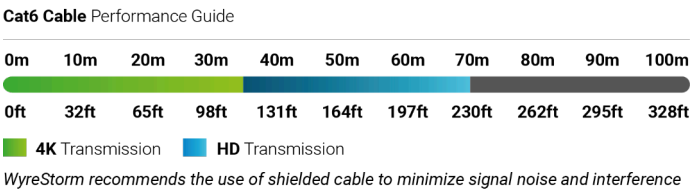
A	HDBT Output	8-pin RJ-45 female Connect the transmitter's HDBT OUT to receiver's HDBT IN .
B	RS-232	3-Pin Phoenix Serial Input for passthrough serial commands
C	Power Input	2-pin Phoenix: 12v 1A input

Wiring and Connections

WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the switcher. Read through this section in its entirety before running or terminating any wires to ensure proper operation and to avoid damaging the equipment.

⚠ IMPORTANT! Wiring Guidelines

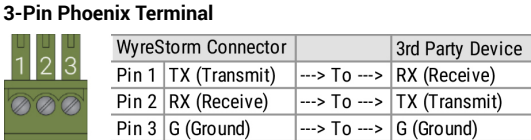
- The use of patch panels, wall plates, cable transmitters, kinks in cables, and electrical or environmental interference will have an adverse effect on signal transmission which may limit performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends using pre-terminated VGA, HDMI, DP and USB cables due to the complexity of these connector types. Using pre-terminated cables will ensure that these connections are accurate and will not interfere with the performance of the product.



Communication Connections

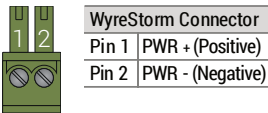
RS-232 Wiring

The TX-35-IW-KVM uses a 3-pin RS-232 with no hardware flow control. Most control systems and computers are DTE where pin 2 is RX, this can vary from device to device. Refer to the documentation for the connected device for pin functionality to ensure that the correct connections can be made.



Power Wiring

The TX-35-IW-KVM uses a 2-pin Terminal Connector if not powered by PoH from receiver (12v 1a PSU not included)



Troubleshooting

No or Poor Quality Picture (snow or noisy image)

- Verify that the HDMI inputs and HDMI output connections are not loose and are functioning property.
- Verify that the output resolution of the source and display is supported by this transmitter.
- Configure EDID Settings to a lower resolution.
- If transmitting 4K, verify that the HDMI cables used are 4K rated.

No or Intermittent 3rd party Device Control

Verify that the RS-232 cables are properly terminated.

💡 **Troubleshooting Tips:**
WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

Specifications

Audio and Video	
Inputs	1x HDMI In: 19-pin Type A 1x USB Host
Outputs	1x HDBT Out: RJ45 Female
Audio Formats	Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
Video Resolutions (Max)	1920x1080p @60Hz 16bit 3840x2160p @30Hz 8bit 4:2:0 3840x2160p @60Hz 8bit 4:2:0 4096x2160p @60Hz 8bit 4:2:0
Maximum Pixel Clock	297MHz
Communication and Control	
HDMI	HDMI HDCP 2.2 EDID
USB	1x USB 2.0 Type B host port
RS-232	1x 3-pin Phoenix (Passthrough RS-232 + Update Port)
Power	
Power Supply	12V DC 1A (Sold Separately)
PoH	Supported, 1-Way from RX
Max. Power Consumption	4.5W
Environmental	
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Dimensions and Weight	
Rack Units/Wall Box	1-Gang US
Height	105.6mm/4.15in
Width	45mm/1.77in
Depth	45.3mm/1.78in
Regulatory	
Safety and Emission	CE FCC 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.

Warranty Information

WyreStorm Technologies ProAV Corporation warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on [wyrestorm.com](https://www.wyrestorm.com) for more details on our limited product warranty.

