100m USB 3.2 HDBaseT Extender with PoH+

EX-100-USB3





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 EX-100-USB3

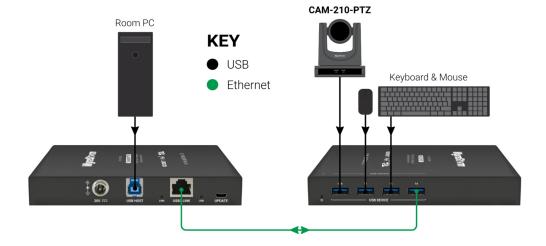
1x DC 20V 3A Power Supply (US/EU/UK/AU)

1x 1.8m USB 3.0 Type-A to Type-B Cable (5Gb)

4x Mounting Bracket

1x Quickstart Guide (this document)

Basic Wiring Diagram



EX-100-USB3 (Front)

EX-100-USB3 (Rear)









A	Power LED	Solid: The unit is powered On Off: The unit is powered Off
B	Link LED	On: Indicates link with receiving device Off: No link with receiver/powered off
C	USB LED	On: USB data transmission Off: No USB data transmission
D	DC 20V	Connect to the 20V power adapter
B	USB Host	USB 3.0 Type B female Connection of USB Host device
F	Link LED	On: Indicates link with receiving device Off: No link with receiver/powered off
G	USB3 Link	Connect to the receiver for USB transmission
(1)	USB LED	On: USB data transmission Off: No USB data transmission
0	Update Port	Micro USB for firmware upadtes

A	Power LED	Solid: The unit is powered On Off: The unit is powered Off
B	USB Device	USB 3 Type A female Connection of USB peripherals
C	DC 20V	Connect to the 20V power adapter
D	Link LED	On: Indicates link with receiving device Off: No link with receiver/powered off
E	USB3 Link	Connect to the receiver for USB transmission
F	USB LED	On: USB data transmission Off: No USB data transmission

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 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.

Transmission Distance

T568B straight-through category cable is recommended. Please use F/FTP or U/FTP cable, and **D0 NOT** use UTP, F/UTP, or U/UTP cables.

Cable Type	Range
Cat 6A/7 (F/FTP or U/FTP) Cable	100m/330ft

Troubleshooting

No Link, or USB Device is not Recognized.

- Verify that the USB inputs and RJ45 output connections are not loose and are functioning property.
- Make sure you are using full featured USB cables made by reliable brands.
- Please use cat6A U/FTP or F/FTP cables.



WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

Specifications

Audio and Video		
Inputs	TX: 1x USB Host RX: 4x USB 3.2 Type A, 1 x RJ45 Input	
Outputs	TX: 1x RJ45 Female	
Supported Standards	USB 3.2 Gen 1	
Power		
Power Supply	DC 20V 3A with locking connector	
Max. Power Consumption	39.79W (USB fully-loaded) 6.94W (No USB load)	
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		
Height	20.5mm/0.8in	
Width	150mm/5.9in	
Depth	100mm/3.93in	
Regulatory		
Safety and Emission	fety 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 for more details on our limited product warranty.

