

**100m USB 3.2 HDBaseT
Extender with PoH+**
EX-100-USB3



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.



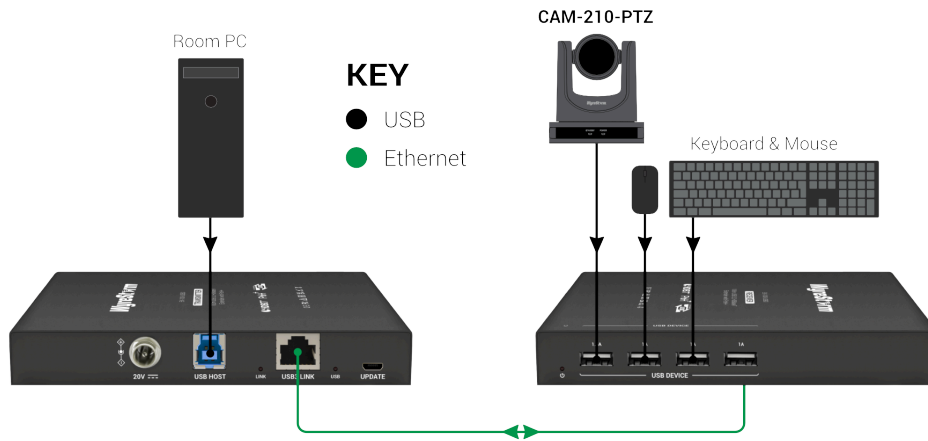
⚠️ IMPORTANT! Installation Requirements

- 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.

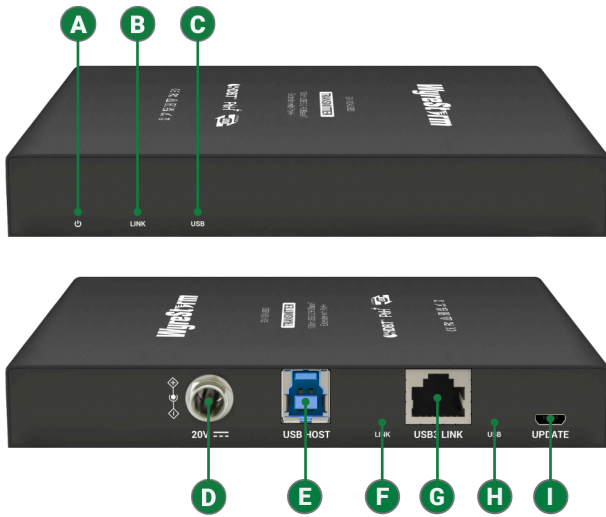
In the Box

- 1x 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 |
| E 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 |
| H USB LED | On: USB data transmission Off: No USB data transmission |
| I Update Port | Micro USB for firmware updates |

| | |
|---------------------|--|
| A Power LED | Solid: The unit is powered On Off: The unit is powered Off |
| B USB Device | USB 1 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 **DO 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 properly.
- Make sure you are using full featured USB cables made by reliable brands.
- Please use cat6A U/FTP or F/FTP cables.

Troubleshooting Tips:

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 A1 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 | 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.

