60m USB 2.0 Extender

U2EX60



User Manual

AV Access
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Introduction

Overview

This product is a transmitter (TX) and receiver (RX) set that can extend USB-HID and USB 2.0 signal up to 80m/263ft and 60m/197ft via a Cat 5e/6/6a/7 cable. It is designed with compact structure for easy installation and PoC capability for RX to be installed in narrow spaces or places without access to power supply, like under the roof for supplying power to the surveillance camera.

Features

- Slim profile, easy to install anywhere.
- PoC capable -- RX receives power from TX without any additional power adapter required.
- Transmits USB 2.0 signal up to 60m with a maximum speed of 480Mbps.
- Allows connections of up to 4 x USB 2.0 devices and provides a maximum power output of 3A.
- Plug-and-play.
- Supports all major operating systems, including Windows, Mac OS, Linux, etc.

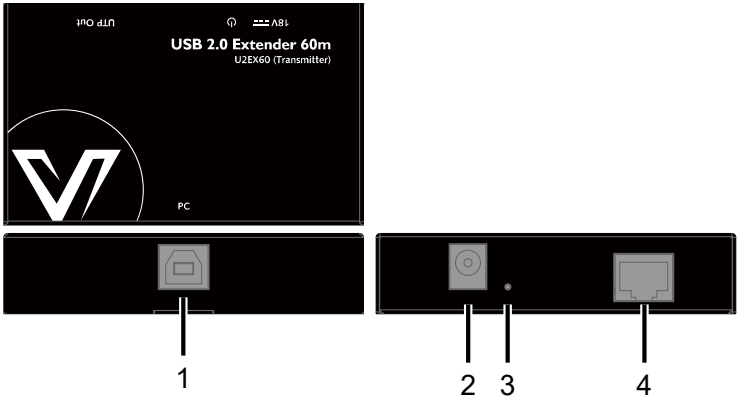
Package Contents

Before you start the installation of the product, please check the package contents:

- U2EX60 (Transmitter) x 1
- U2EX60 (Receiver) x 1
- DC 18V Power Adapter x 1
- USB-A to USB-B Cable (L=1.5m) x 1
- Mounting Brackets (with Screws) x 4
- User Manual x 1

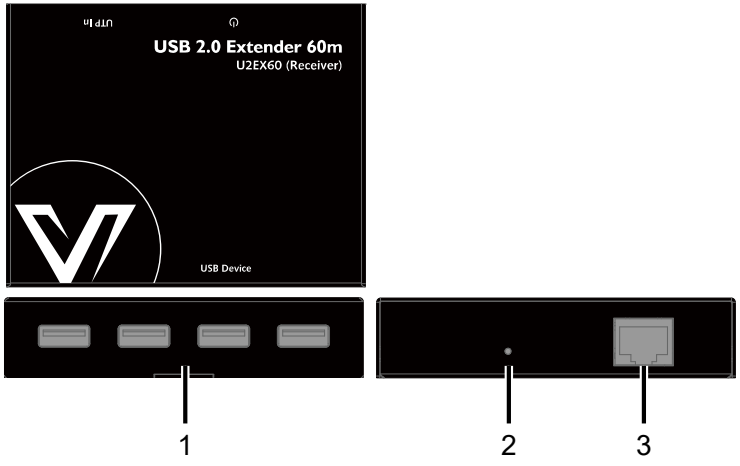
Panel

Transmitter



No.	Name	Description
1	PC	Connect to a PC using the USB-A to USB-B cable provided.
2	18V	Connect to the power adapter provided. Note: The power-on transmitter can power receiver through PoC, no power adapter required at receiver.
3	Power LED	• On: The device is powered on. • Off: The device is powered off.
4	UTP Out	Connect transmitter to receiver using a Cat X cable.

Receiver



No.	Name	Description
1	USB Device	4 x USB-A ports. Connect to USB devices such as keyboard, mouse, MIC, camera, etc. Note: The four ports share 3A current.
2	Power LED	• On: The device is powered on. • Off: The device is powered off.
3	UTP In	Connect receiver to transmitter using a Cat X cable.

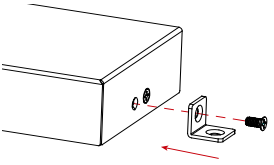
Installation and Application

Note: Disconnect all devices from power before installation.

Bracket Installation

Steps to install the device in a suitable location:

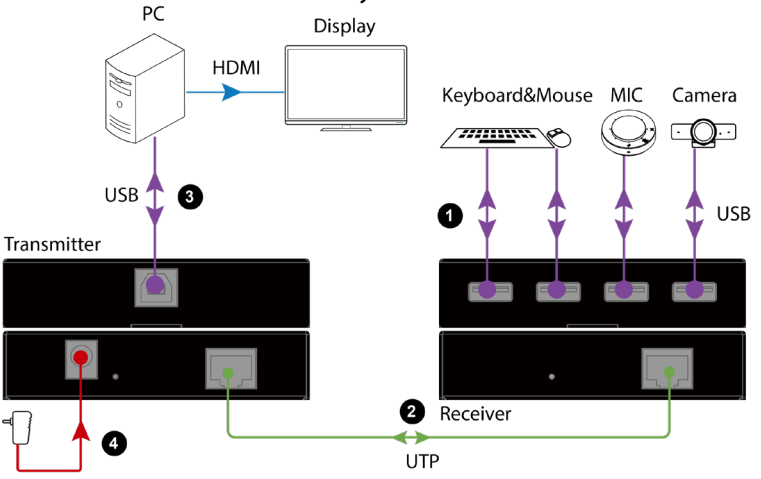
1. Attach the bracket to the enclosure using the screws provided. The bracket is attached to the enclosure as shown. Repeat this step for the other side of the device.
2. Mount the device on a flat and solid surface with screws (screws are not included in the package).



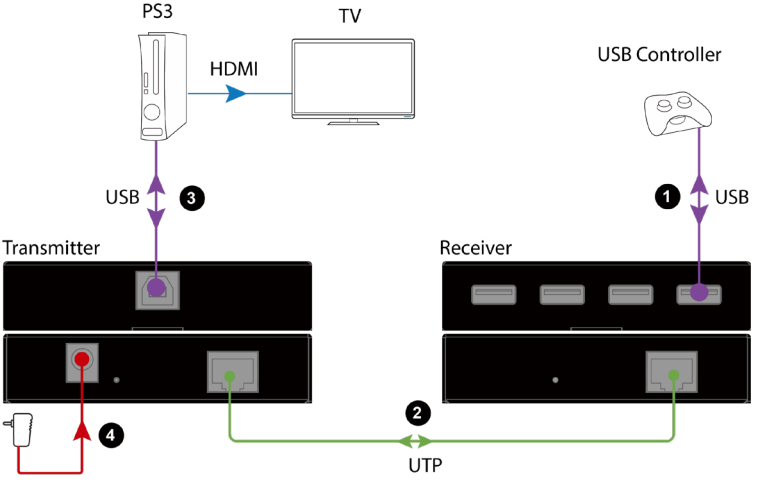
Bracket Installation

Application

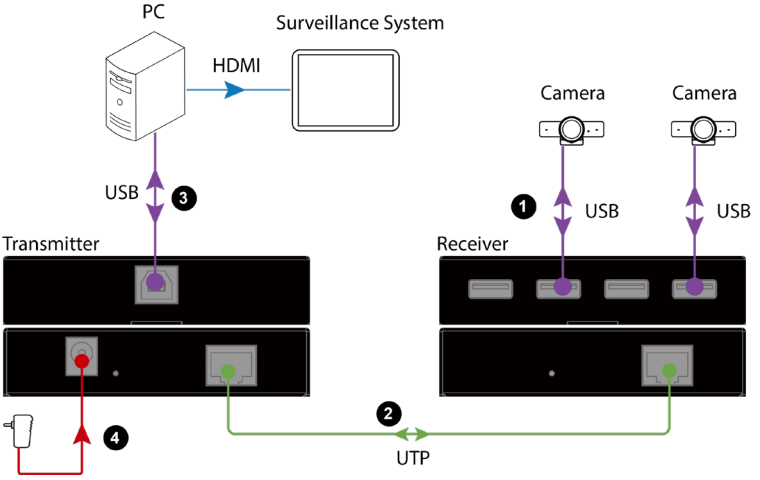
Application 1 – Video conference system



Application 2 – Personal entertainment system



Application 3 – Surveillance system



Specification

Technical	
Input/Output Port	TX: 1 x DC 18V, 1 x USB Type-B, 1 x UTP Out RX: 4 x USB Type-A, 1 x UTP In

General	
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)
Power Supply	DC 18V 1A (Transmitter powers receiver through PoC)
Power Consumption (Max)	6.4W (Pair)
Device Dimensions (W x H x D)	TX: 90mm x 20mm x 55mm /3.54" x 0.79" x 2.17" RX: 90mm x 20mm x 71mm /3.54" x 0.79" x 2.8"
Net Weight	TX: 0.11kg/0.242lb RX: 0.14kg/0.308lb

Cable Specification:

Cable Type	Range	Supported USB Devices
Cat 5e/6/6a/7	Up to 263ft (80m)	USB-HID device
	Up to 197ft (60m)	USB 2.0 storage device

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

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