USB & POWER

100m/328ft EXTENDER

Setup Guide

EVX6-USB-KT-POE

Valens

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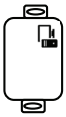
WHAT'S IN THE BOX

Host Side

1. 
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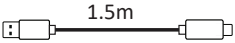
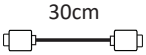
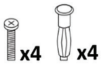
3. 

Device Side

4.
5. 

6.

General

7. 

8.

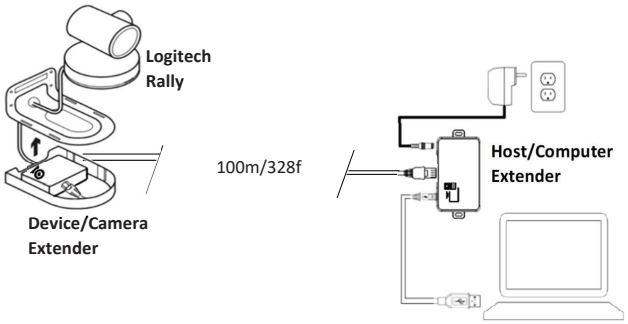
1. **Extender – Host Side**
2. **48V Power Supply**
3. **USB-A to USB-C Cable**
4. **Extender – Device Side**
5. **USB-C to USB-C Cable**
6. **Optional 12V Power Cable**
7. **Optional Mounting screws**
8. **Documentation**

SYSTEM OVERVIEW

The EVX6-USB-KT-POE kit extends USB and power over a single standard CATx cable for distances of up to 100m/328ft. It is a Plug and Play solution that doesn't require any driver installation.
The kit includes a Host Side Extender that connects to a Computer via a USB cable and a Device/Camera Side Extender that connects to the remote USB peripheral.

The Device/Camera Extender enclosure was specifically designed to fit the Logitech's Rally mount. It can also support other Logitech devices as well as any other standard USB peripheral.

The Device/Camera Extender provides 5V at 2A max or 12V at 1.5A max power to the remote Device/Camera over a USB-C cable or alternatively 12V at 1.5A max over an optional Power Cable.



ELECTRICAL SPECIFICATION

Extender Host Side:

Power input via DC Jack: 48V Typical, 1.0A Max
USB Power Consumption < 2.5W
Operating Temperature: 0-40° Celsius ambient

Extender Device Side:

Power output via DC Jack: 12V +/-0.5V at 1.5A Max
Output Ripple < 300mV
USB-C Power Delivery Voltages support:

- 5V @ 2A
- 12V @ 1.5A

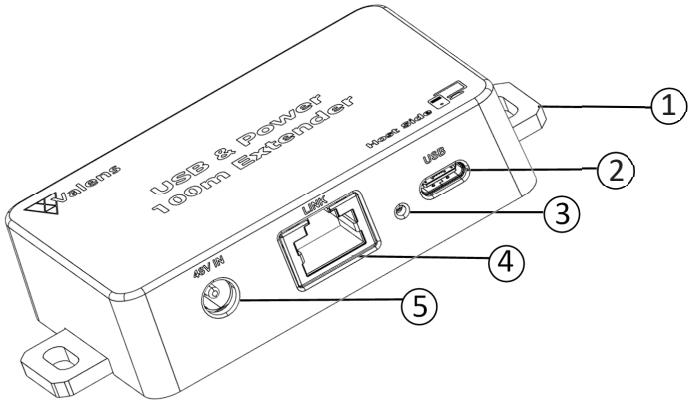
Operating Temperature: 0-40° Celsius ambient

⚠ NOTE

- Link ports (RJ45) on both the Extender Host Side and the Extender Device Side are considered circuits intended for interconnection with building wiring installed wholly within the same building structure (transients are not taken into account).
- The Extender Host Side should be powered with the external safety approved AC/DC adaptor which is considered Low Power Supply (LPS).

WHAT'S WHAT

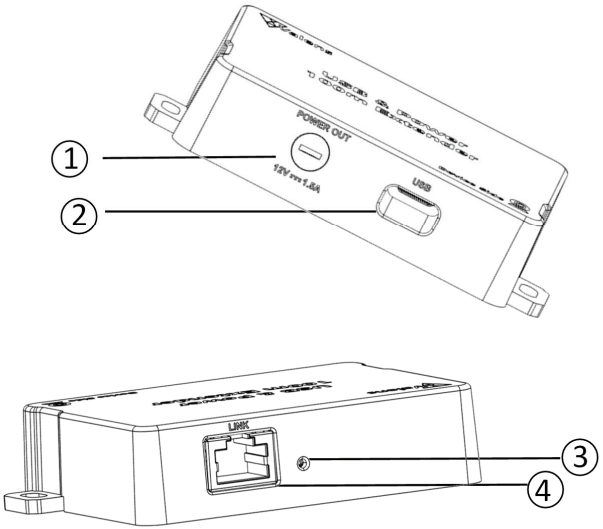
Extender – Host Side



1. **Mounting Brackets**
2. **USB Connection to the Host/Computer**
3. **Status LED**
4. **RJ45 Extension Link**
5. **48V Input Power**

WHAT'S WHAT

Extender – Device Side

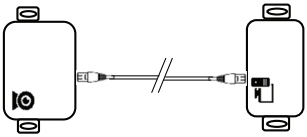


1. **Optional 12V Power Output (turn 90 degrees counterclockwise to remove cover)**
2. **USB-C Connection to Device/Camera**
3. **Status LED**
4. **RJ45 Extension Link**

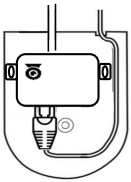
CONNECTING YOUR EXTENDER

Logitech Rally Setup

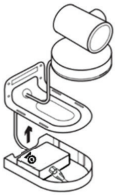
1. Connect the CATx cable from the Host/Computer Extender to the Device/Camera Extender



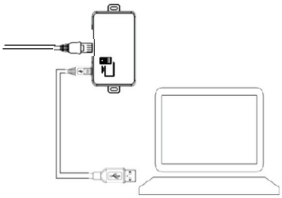
2. Insert the Device/Camera Extender into the Rally Mount



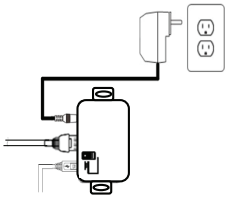
3. Connect the USB-C to USB-C Cable from the Device/Camera Extender to the USB port of the camera



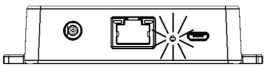
4. Connect the USB-A to USB-C Cable from the Host Extender to your computer



5. Connect the power adapter from the Host Extender to the wall outlet



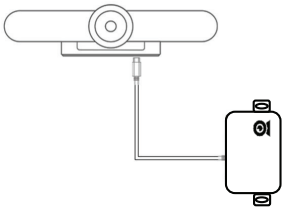
6. The status LED will flash when the computer is turned on and the extension link is established successfully



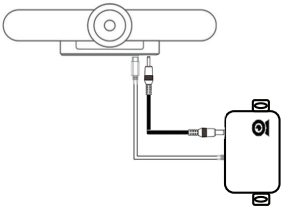
CONNECTING YOUR EXTENDER

Logitech Meetup Setup

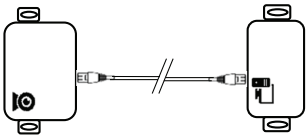
1. Connect the USB-C to USB-C Cable from the Device/Camera Extender to the USB port of the camera



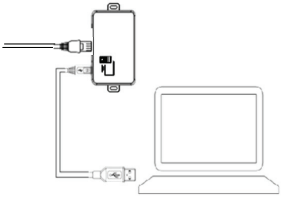
2. Plug in the provided Power Cable from the Device/Camera Extender 12V power output (under the removable cap) to the Meetup camera



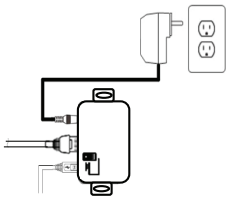
3. Connect the CATx cable from the Host Extender to the Device/Camera Extender



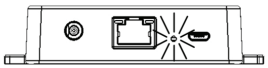
4. Connect the USB-A to USB-C Cable from the Host Extender to your computer



5. Connect the power adapter from the Host Extender to the wall outlet



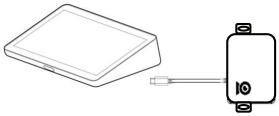
6. The status LED will flash when the computer is turned on and the extension link is established successfully



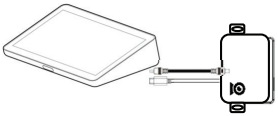
CONNECTING YOUR EXTENDER

Logitech TAP Setup

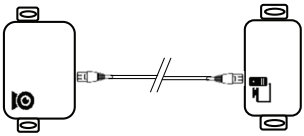
1. Connect the USB-C to USB-C Cable from the Device/Camera Extender to the USB port of the TAP



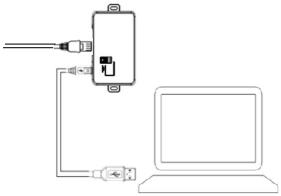
2. Plug in the provided Power Cable from the Device/Camera Extender 12V power output (under the removable cap) to the Logitech TAP



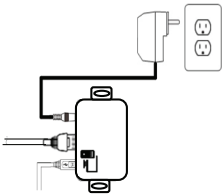
3. Connect the CATx cable from the Host Extender to the Device/Camera Extender



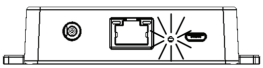
4. Connect the USB-A to USB-C Cable from the Host Extender to your computer



5. Connect the power adapter from the Host Extender to the wall outlet



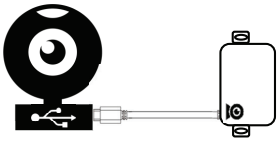
6. The status LED will flash when the computer is turned on and the extension link is established successfully



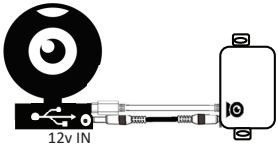
CONNECTING YOUR EXTENDER

Generic USB Peripheral Setup

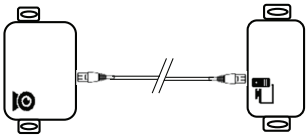
1. Connect the USB-C to USB-C Cable from the Device/Camera Extender to the USB port of the extended device/camera.



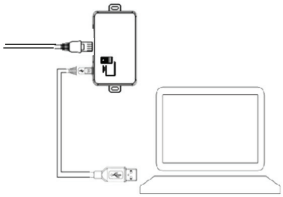
2. In case the extended USB Device requires external power, connect the provided Optional Power Cable from the Device Extender 12v output (under the removable cap) to your USB Device power input port



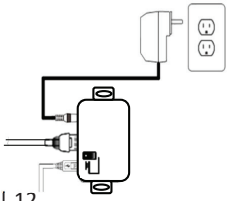
3. Connect the CATx cable from the Host Extender to the Device/Camera Extender



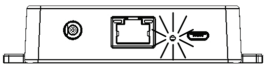
4. Connect the USB-A to USB-C Cable from the Host Extender to your computer



5. Connect the power adapter from the Host Extender to the wall outlet



6. The status LED will flash when the computer is turned on and the extension link is established successfully



TROUBLESHOOT

Host Side LED Indicator

LED Off – Indicates there is no power to the Extender. Verify the USB cable is properly connected from the computer to the Host Side Extender.

Lit LED – Indicates the extender has proper power but there is no data link established. Verify the category cable is properly connected.

Blinking LED – Indicates the link is up and working properly.

Device Side LED Indicator

LED Off – Indicates there is no power supplied to the Device Side Extender. Verify that the 48V power supply is connected to the Host Side Extender and that the category cable is properly connected.

Lit LED – Indicates the extender has proper power but there is no data link established. Verify that the USB Cable from the Computer is properly connected to the Host side extender and that the category cable is properly connected.

Blinking LED – Indicates the link is up and working.

For more information or assistance, please contact www.valens.com/contact-us

WARRANTY

For Valens product warranty and terms & conditions please refer to Valens website, https://partners.valens.com/warranty/ part number EVX6-USB-KT-POE

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