



User Manual

MP-EXT-2

Video Conference Hub 1x1 w/ 100W Charge

All Rights Reserved

Version: MP-EXT-2 V1.0

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated by July, 2025. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheating.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Table of Contents

1. Product Introduction.....1

 1.1 Features1

 1.2 Packing List2

2. Specification3

3. Panel Description.....4

 3.1 Front Panel.....4

 3.2 Rear Panel.....4

4. Panel Drawing.....5

5. Troubleshooting & Maintenance6

6. Customer Service7

1. Product Introduction

MP-EXT-2 is the USB-C to HDMI converter. This converter is designed to convert 4K@60Hz 4:4:4(max) DisplayPort alt mode signal over USB-C video input to 4K@60Hz 4:4:4(max) HDMI 2.0 video output. The USB-C input interface also supports USB 3.2 Gen1 data transfer, Gigabit LAN and 100W fast-charging power delivery.

The converter includes three USB 3.2 Gen1 device ports and one Ethernet Gigabit LAN port.

1.1 Features

- Input supports 4K@60Hz 4:4:4.
- Output supports HDMI 2.0, 4K@60Hz 4:4:4.
- HDCP 2.3/2.2/1.x support.
- USB-C input supports 100W USB Power Charging.
- 3x USB 3.2 Gen1 (5Gbps) device ports for USB peripherals such as USB cameras, keyboard and mouse.
- Each USB device port can deliver up to 5V1A (5W) power.
- Supports auto-switching USB devices downstream.
- Plug and Play.

1.2 Packing List

- 1x MP-EXT-2
- 2x Mounting Ears with 4 Screws
- 4x Plastic Cushions
- 1x DC 24V/6.5A Power Adapter (EU Standard Cable)
- 1x User Manual

Note: *Please contact your distributor immediately if any damage or defect in the components is found.*

2. Specification

Video Input	
Input Connector	(1) USB-C
Input Resolution	Up to 4K@60Hz 4:4:4
Video Output	
Output(1) HDMI	
Output Connector	(1) Female type-A HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4 (18Gbps)
HDMI Standard	2.0b
HDCP Version	2.3/2.2/1.4 compliant
USB	
Connector(3) USB-A, (1) USB-C	
USB Standard	(3) USB-A: USB 3.2 Gen 1, 5V1A External Power Supply (1) USB-C: USB 3.2 Gen 1, Display Port Alt mode, 100W PD
Ethernet	
Standard10/100/1000Base-T	
General	
Bandwidth18Gbps	
Operation Temperature	-5 ~ +55°C
Storage Temperature	-25 ~ +70°C
Relative Humidity	10% - 90%
Power Supply	Input:100V~240V AC; Output: 24V DC 6.5A
Power Consumption	128W(Max)
Dimension (W*H*D)	145mm x 22mm x 80mm

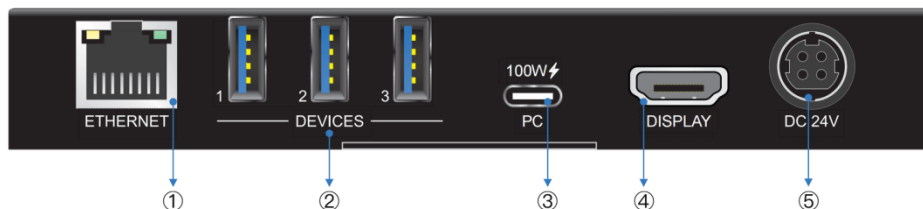
3. Panel Description

3.1 Front Panel



- ① **Power LED:** The LED illuminates blue when power is applied. Red color for standby mode.
- ② **PC LED:** The LED illuminates blue when USB-C is charging an external device.

3.2 Rear Panel



- ① **ETHERNET** : 1x RJ45 port, connect to Ethernet.
- ② **DEVICES** : 3x USB 3.2 Gen1 device ports for camera, keyboard and mouse.
- ③ **PC**: 1x USB-C port, connect to video source.
- ④ **DISPLAY** : 1x HDMI port, connect to HDMI display.
- ⑤ **DC 24V** : Connect to DC 24V 6.5A power adapter.

4. Panel Drawing



5. Troubleshooting & Maintenance

Problems	Potential Causes	Solutions
Output image with snowflake	Bad quality of the connecting cable.	Try another high-quality cable.
	Fail or loose connection.	Make sure the connection is good
No output image when switching	No signal at the input / output end.	Check with oscilloscope or multimeter if there is any signal at the input/ output end.
	Fail or loose connection.	Make sure the connection is good.
	The extender is broken.	Send it to authorized dealer for repairing.
POWER indicator doesn't work or no respond to any operation	Fail connection of power cord.	Make sure the power cord connection is good.
Static becomes stronger when connecting the video connectors	Bad grounding.	Check the grounding and make sure it is connected well.

Note: If your problem still remains after following the above troubleshooting steps,

please contact your local dealer or distributor for further assistance.

6. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

1) Warranty

The limited warranty period of the product is fixed 3 years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusion

- Warranty expiration.
- Factory applied serial number has been altered or removed from the product.
- Damage, deterioration or malfunction caused by:
 - ✓ Normal wear and tear.
 - ✓ Use of supplies or parts not meeting our specifications.
 - ✓ No certificate or invoice as the proof of warranty.
 - ✓ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
 - ✓ Damage caused by force majeure.
 - ✓ Servicing not authorized by distributor.
 - ✓ Any other causes which do not relate to a product defect.
- Shipping fees, installation or labor charges for installation or setup of the product.

4) Documentation

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defect has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Remarks: Please contact your local distributor for further assistance or solutions.