

HDMI2.0 + Type-C Extender Wallplate to Box Kit

Support 70M 4K60Hz, POC, S/PDIF, Audio Extraction

/// OPERATION MANUAL



MAIL-IN SERVICE

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

1) This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage.

The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributable to acts of God.

2) THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)

3) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied.

Features

- HDMI2.0 + Type-C Extender in North American standard Wallplate to Box Kit
- Support HDMI or USB-C in, switch by the Switch button on the faceplate
- Transmit up to 70m(229ft) under 1080p or 4K60Hz YUV4:4:4 over single Cat5e/6 cable
- Type-C input(USB3.0) support 4K60hz, PD power charging(60W max)
- HDCP2.2/ 1.4 Compliant
- Support EDID management
- Support HDR10, POC and RS232 pass through
- Support one way wide band IR Pass through
- Support S/PDIF and PCM2.0 analog audio extraction(at RX)
- Support Dolby True HD, PCM and DTS-HD master audio 7.1CH
- Support RS232/ Micro USB port to upgrade new firmware
- Support Auto detect and switch to either one of the source when there is a signal

SPECIFICATIONS

| | |
|-----------------------------|--|
| Operating Temperature Range | -5 to +40°C(+23 to +104°F) |
| Operating Humidity Range | 5 to 90%RH (No Condensation) |
| Connectors on Transmitter | HDMI Input x 1, USB-C Input x 1 Power DC24V Phoenix terminal x 1, RS232 Phoenix terminal x 1 IR Receptacle x 1(for IR RX) |
| Connectors on Receiver | HDMI Output x 1, RS232 Phoenix terminal x 1, S/PDIF x 1, PCM2.0 x 1, IR Receptacle x 1(for IR TX), FW x 1, Power DC12V x 1 |
| Resolution outputs | 4k@60hzYUV4:4:4/ 4k@30HZ/1080p/1080i/720p/576p/576i/480p/480i |
| Audio format supported | DTS-HD Master Audio, Dolby True HD, LPCM7.1, PCM etc. |
| Output Video Signal | HDMI |
| Dimension (L×W×H) | TX: L106mm×W46mm × H60mm; RX: L110mm × W68mm × H13mm |
| Power supply | DC 24V/5A Power supply |
| Power consumption | 100W(MAX) |
| Transmission Distance | up to 70m under 4K@60Hz YUV4:4:4, 70m under 1080P@60Hz ① |
| Net Weight | TX:130 g; RX:190g |

Note 1 :Under perfect transmission conditions including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets.

Package Contents

- 1xHDMI Wallplate Transmitter
- 1xHDMI Receiver
- 1 x IR TX Emitter
- 1x IR RX Receiver
- 1x24V/5A DC Adapter
- 1xUser Manual
- 1x Decoration panel

MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

PRODUCT SERVICE

1) Damage requiring service:

The unit should be serviced by qualified service personnel if:

- (a) The DC power supply cord or AC adaptor has been damaged;
- (b) Objects or liquids have gotten into the unit;
- (c) The unit has been exposed to rain;
- (d) The unit does not operate normally or exhibits a marked change in performance;
- (e) The unit has been dropped or the cabinet damaged.

2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

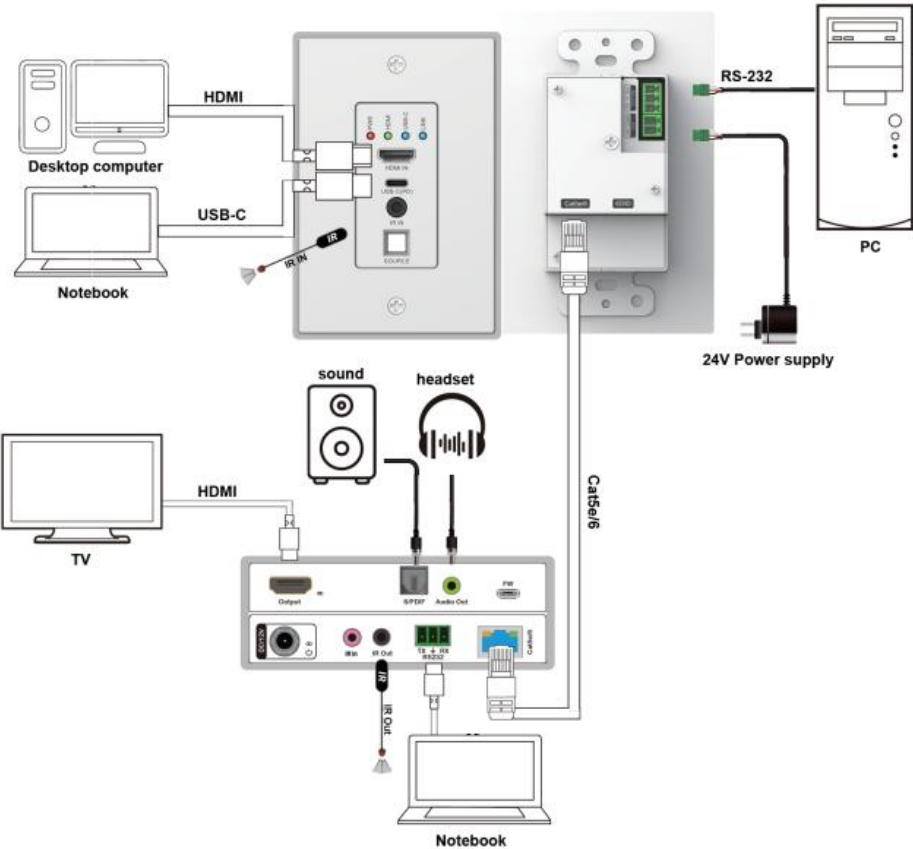
WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, **(Parts(2)Year, Labor(90) Days)** which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

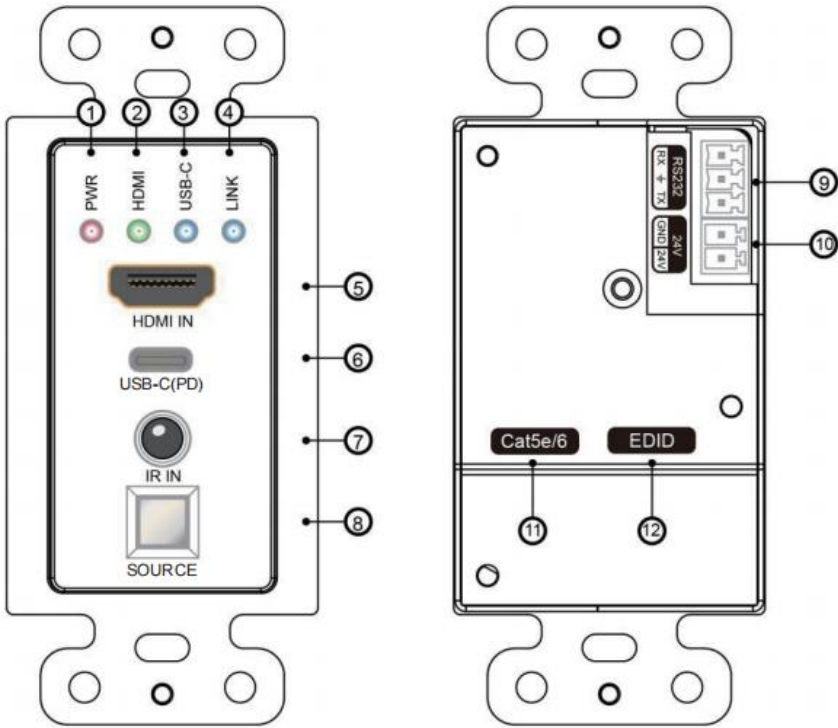
During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Connection Diagram



PANEL DESCRIPTIONS

Transmitter Panel

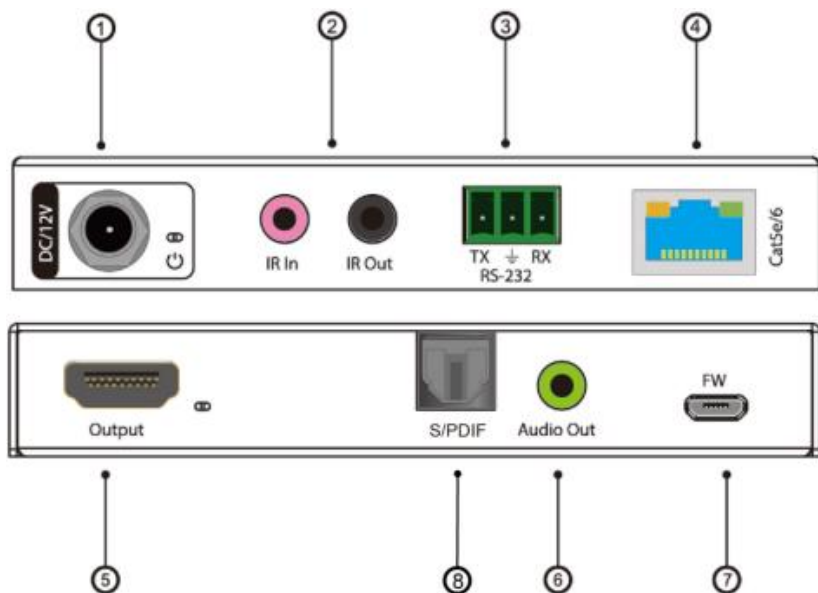


- ① Power indicator ② HDMI In indicator ③ USB-C In indicator
④ Link indicator ⑤ HDMI In port ⑥ USB-C IN Port with 60W PD charge
⑦ IR In port ⑧ Switch to different Source ⑨ RS232 pass through & Firmware upgrade
⑩ DC 24V/5A power supply ⑪ Cat5e/6 port ⑫ EDID rotary knob

Note :The transmitter has default EDID and copy EDID function, default EDID including 4K@60hz and 1080P@60hz, Copy EDID to copy HDMI out(the far-end TV). EDID rotary knob has 0,1,2,3,4,5,6,7,that represent different EDID effect according to the following table:

| | | | |
|---|-------------------------|---|-------------------------|
| 7 | Copy HDMI out | 0 | Default 4K60hz-2.0CH |
| 1 | Default 2560×1440-2.0CH | 2 | Default 1920×1200-2.0CH |
| 3 | Default 1080P60hz-2.0CH | 4 | Default 4K60hz-5.1CH |
| 5 | Default 4K60hz-7.1CH | 6 | Default 4K30hz-5.1CH |

Receiver Panel

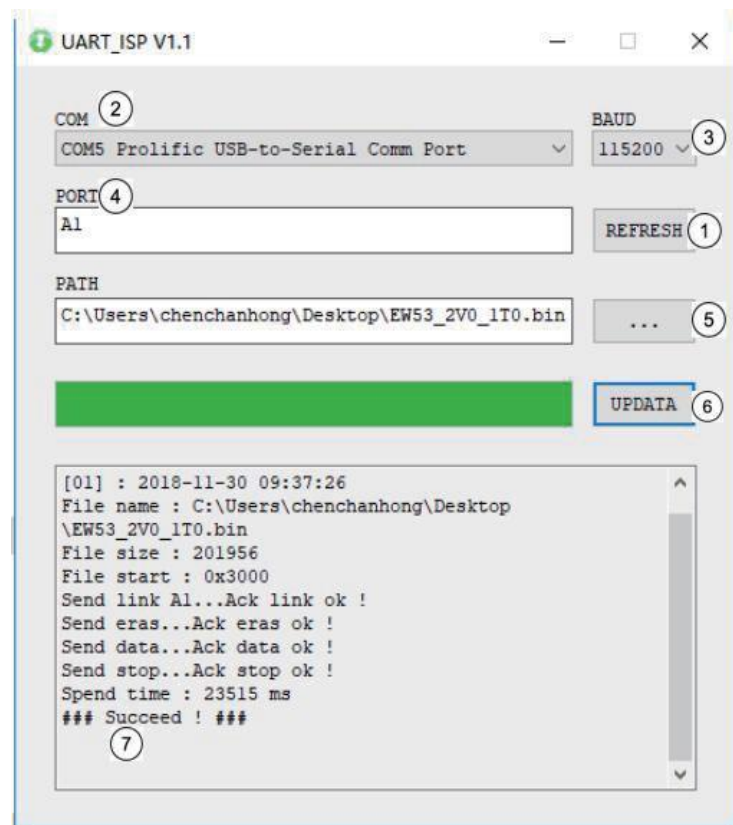


- ① DC 12V/2A power supply
- ② IR port
- ③ RS232 port
- ④ Cat5e/6 port
- ⑤ HDMI Output port
- ⑥ Analog audio out
- ⑦ Firmware update port
- ⑧ S/PDIF Out

Connecting and operating

1. Connect 1 source such as a Blu-Ray Player, game console, STB, etc. to the HDMI input on the transmitter
2. Connect 1 display such as an HDTV or HD Projector to HDMI output on the Receiver.
3. Connect a single Category 5e/6/7 up to (70m) to both transmitter and receiver.
4. Plug in the IR-RX cable and IR-TX cable to the IR jack port located on the transmitter and receiver panel.
5. Connect DC 24V/5A power supply to the transmitter and power on it, the receiver is powered by the transmitter(**RX not need to connect with power supply**).

Firmware Upgrade



The unit support upgrade the firmware on line if needed.

1. Connect the USB to RS232 cable, connect via the RS232 port at the back side, Double click UART.ISP.exe this upgrade tool.
2. Burn step:
 - ① Click "REFRESH" Serial port
 - ② Choose the port connect with the EW63
 - ③ Set the baud rate at 115200
 - ④ At the port side type A1, which means upgrade the MCU program
 - ⑤ Choose the MCU burn files in your PC
 - ⑥ Click Update
 - ⑦ Finish the upgrade