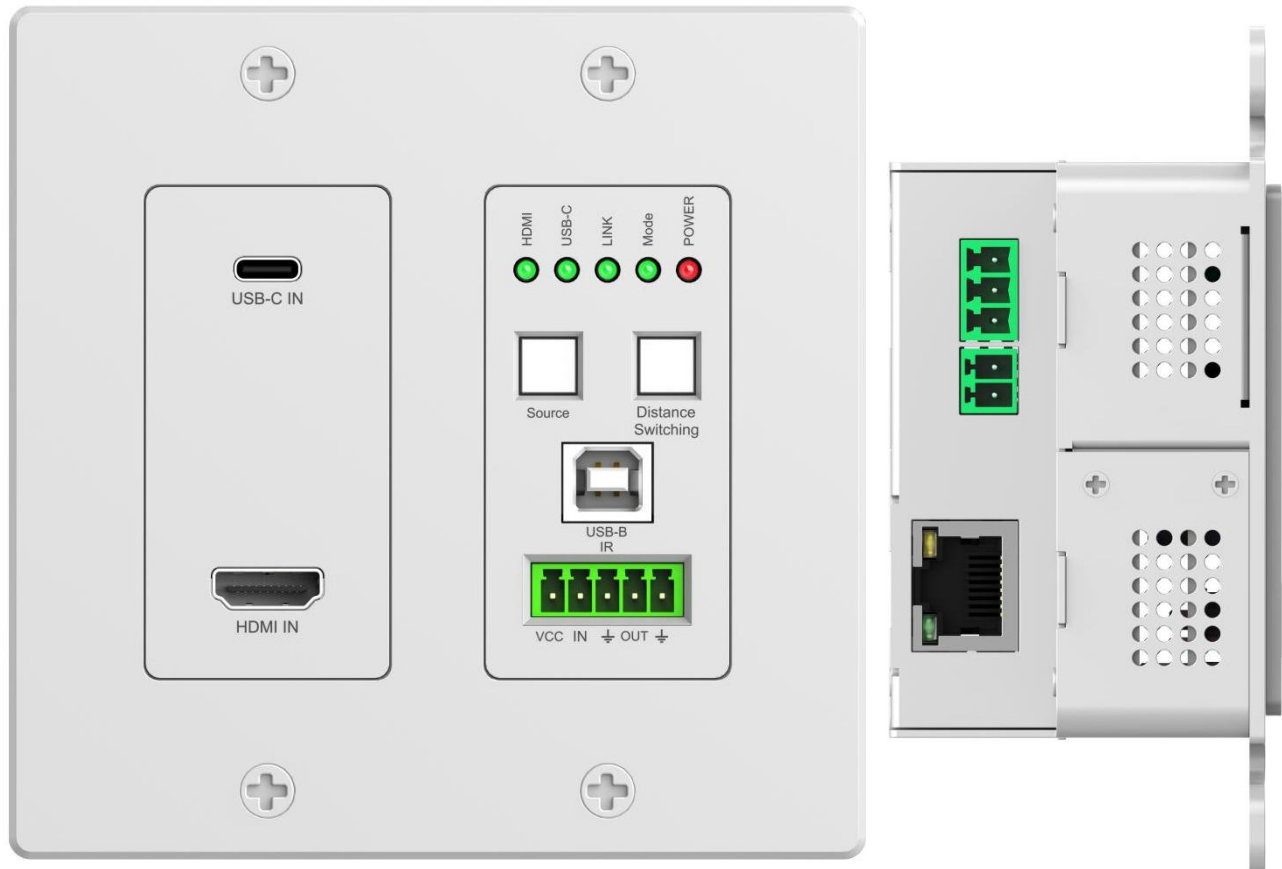




875705

HDBaseT Wand Einbauset, HDMI+Type-C inputs, 4K60Hz 4:4:4 up to 100m

OPERATION MANUAL



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

- HDMI 2.0 + 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 150m under 1080P, 100m 4K60Hz YUV4:4:4 over single Cat5e/6 cable
- Type-C input support 4K60Hz YUV 4:4:4, PD charging(60W max)
- HDCP2.2/ 1.4 Compliant
- Support EDID management
- Support HDR10, HLG, POC
- Support KVM
- Support Bi-directional wide band IR (20-60KHZ) and RS232 Pass through
- Support S/PDIF and analog audio extraction(at RX)
- Support Dolby True HD, PCM and DTS-HD master audio 7.1CH
- Support Micro USB port to upgrade new firmware

Operating Temperature Range	-5 to +40°C(+23 to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Video Output Connectors	1x HDMI Type A
Video Input Connectors	1x HDMI Type A, 1x Type-C
USB Port	1x USB Type B, 2 x USB Type A
Transmission Distance	Up to 150m under 1080P@60Hz, 100m under 4K@60Hz YUV 4:4:4
Resolution outputs	4k@60hzYUV4:4:4/ 4k@30HZ/1080p/1080i/720p/576p/576i/480p/480i
Audio outputs	1x S/PDIF, 1x Analog
Audio format supported	DTS-HD Master Audio, Dolby True HD, LPCM7.1, PCM etc.
Dimension (L×W×H)	TX:L116mm×W115.5mm×H48.9mm, RX:L172.4mm×W113.2mm×H24mm
Power supply	DC 24V/5A Power supply
Net Weight	TX:250 g; RX:550g

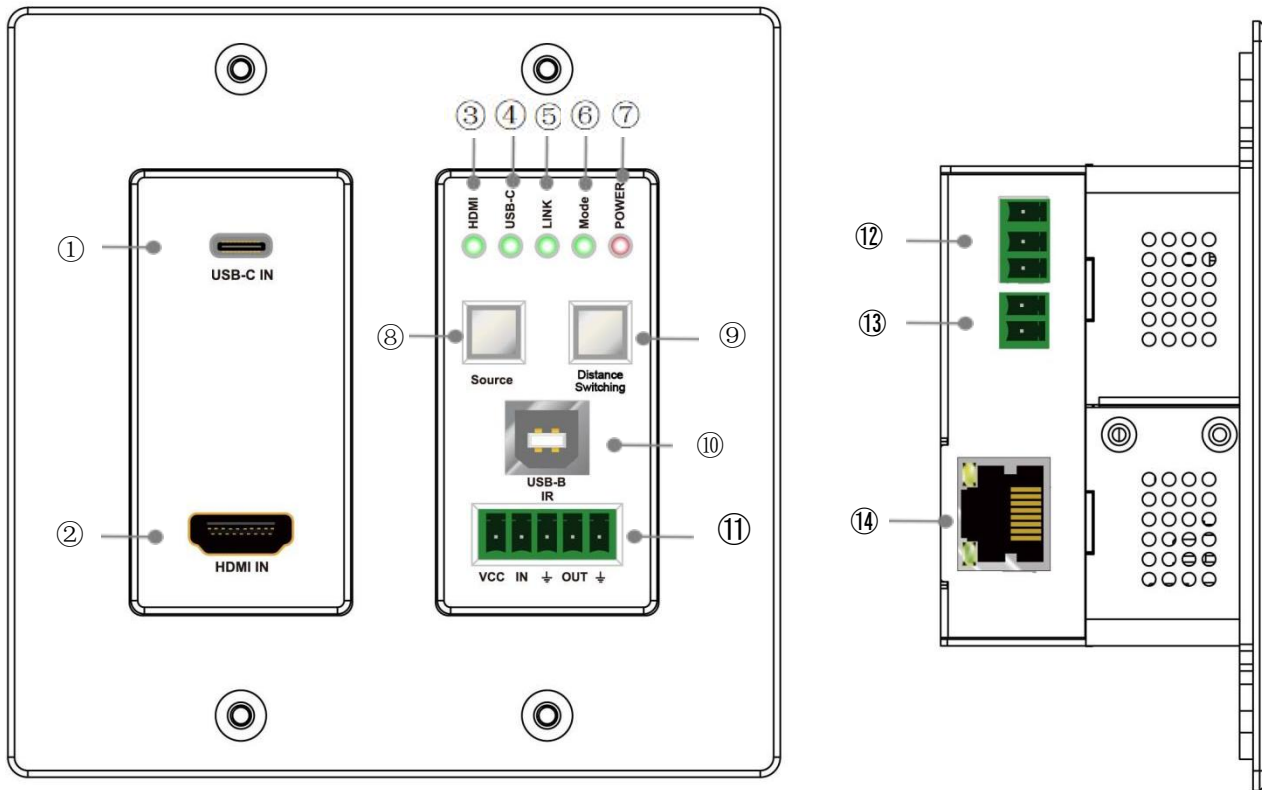
Note 1 :Under perfect transmission conditions including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets.

Package Contents

- 1x HDMI Wallplate Transmitter
- 1x HDMI Receiver
- 1 x IR TX Emitter
- 1x IR RX Receiver
- 1x 24V/5A DC Adapter
- 1x User Manual
- 1x 5pin Phoenix Terminal
- 2x 3pin Phoenix Terminal
- 1x 2pin Phoenix Terminal

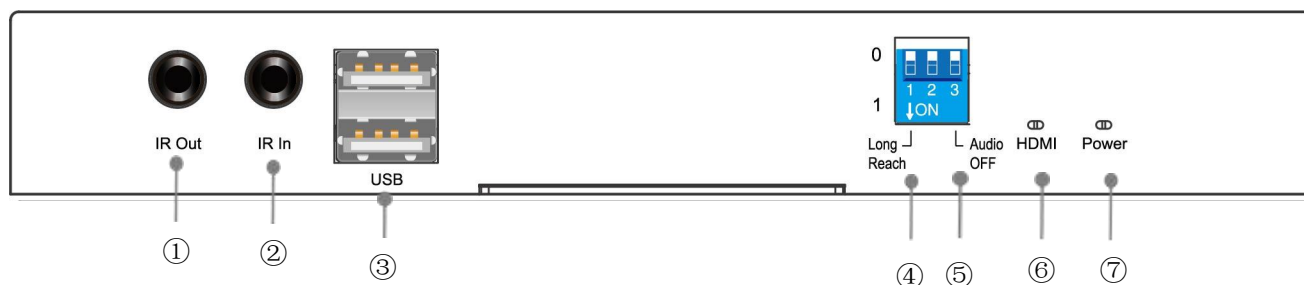
PANEL DESCRIPTIONS

Transmitter Front and Rear



- ① USB-C port: Connect to USB-C source equipment
- ② HDMI port: Connect to HDMI source equipment
- ③ HDMI indicator light: signal switch to HDMI, it will light up, otherwise, it will go off.
- ④ USB-C indicator light: signal switch to USB-C, it will light up, otherwise, it will go off.
- ⑤ Link indicator light: TX and RX communicate normally, it will light up. otherwise, it will go off.
- ⑥ Mode indicator light: The long-distance mode will light up and the short-distance mode will go off.
- ⑦ Power indicator light: When powered the device, it will light up, otherwise, it will go off.
- ⑧ Input switch button: Short press to switch HDMI or USB-C.
- ⑨ Distance switch button: long press to switch long distance mode or short distance mode.
- ⑩ USB-B port for connection
- ⑪ IR port: IR signal transmission
- ⑫ RS232 port: Connect to a PC with phoenix terminal for the transmission of RS232 commands
- ⑬ DC 24V5A input
- ⑭ HDBT output: Connect to the receiver unit with a single CAT5e/6 cable for transmission of all data signals

Receiver Front and Rear Panels



① IR Out: Connect to the supplied IR blaster cable for IR signal transmission. Place the IR blaster in direct line of sight of the equipment to be controlled.

② IR In: Connect to the supplied IR blaster cable for IR signal transmission. Place the IR blaster indirect line -of-sight of the equipment to be controlled.

③ USB Type A for extension

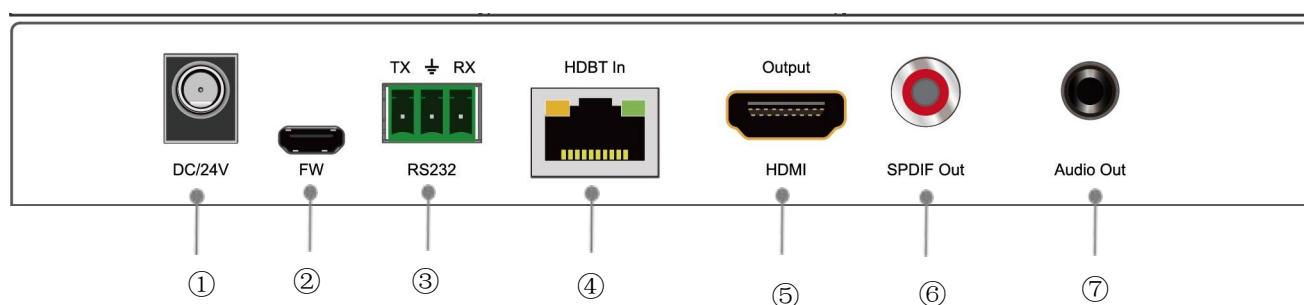
④ DIP Switch: Switch to “0” transmit upto 100m under 4K@60Hz.

Switch to “1” transmit upto 150m under 1080P@60Hz.(TX and RX must be of the same distance mode, Please do not switch it in the working process)

⑤ Audio Switch: Switch to “0 ”extract Audio and output.Switch to “1 ”close extraction Audio output(analog audio and SPDIF).

⑥ HDMI Indicator light

⑦ Power indicator light



① DC 24V input

② Update: USB port to update the firmware

③ RS232 Out: Connect to the device that is to be controlled via phoenix terminal by RS-232 commands

④ HDBT in: Connect to the transmitter unit with a single CAT5e/6 cable for transmission of all data signals

⑤ HDMI output: Connect to a HDMI equipped TV/ Monitor for display of the HDMI input source signal

⑥ SPDIF out

⑦ Analog audio out

Connecting and operating

1. Connect source such as a Blu-Ray Player, game console, STB, etc. to the HDMI input and USB-C input on the transmitter.
2. Connect 1 display such as an HD TV or HD Projector to HDMI output on the Receiver.
3. Connect a single Category 5e/6/7 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).

RS232 control

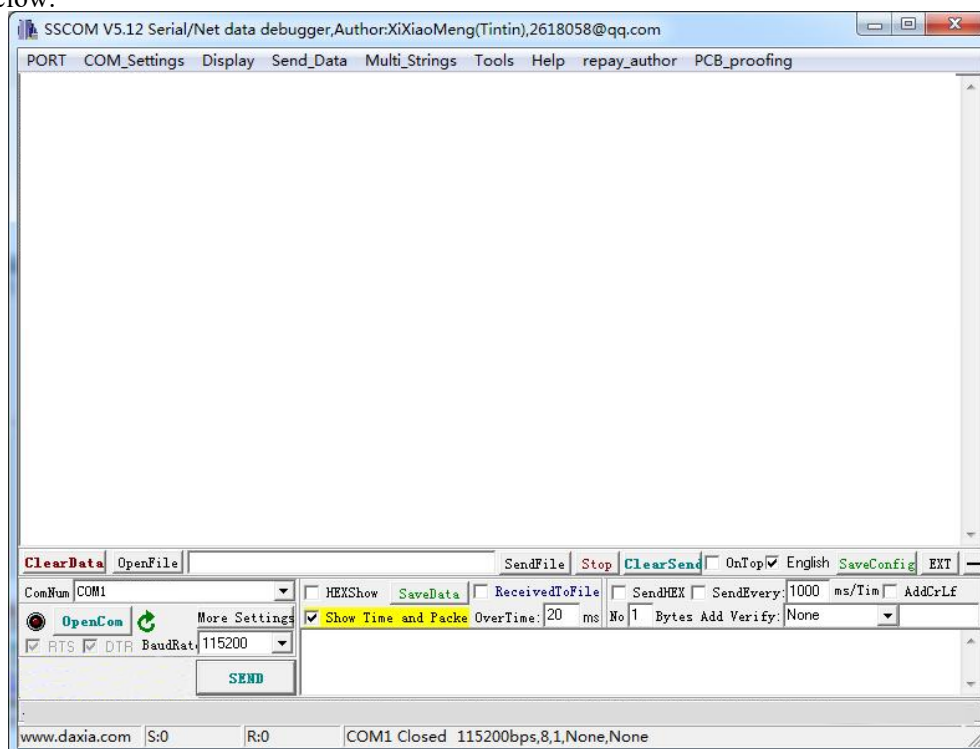
Control software operation:

The serial control software is illustrated with SSCOM5.13.1 as an example. User can find this software on the disk.

Basic Settings:



Double-click the software in the installation package to run specifically (as shown in figure 1 below) and install the RS232 software on the computer. Enter the main interface of the software, as shown in the figure below.



The device connect to the PC via a USB-to-serial port conversion and set the baud rate of the product to be consistent with the serial port assistant.

Parameter configuration:

Baud rate:115200 (default); Data location: 8; Stop bit: 1; Check bit: no.

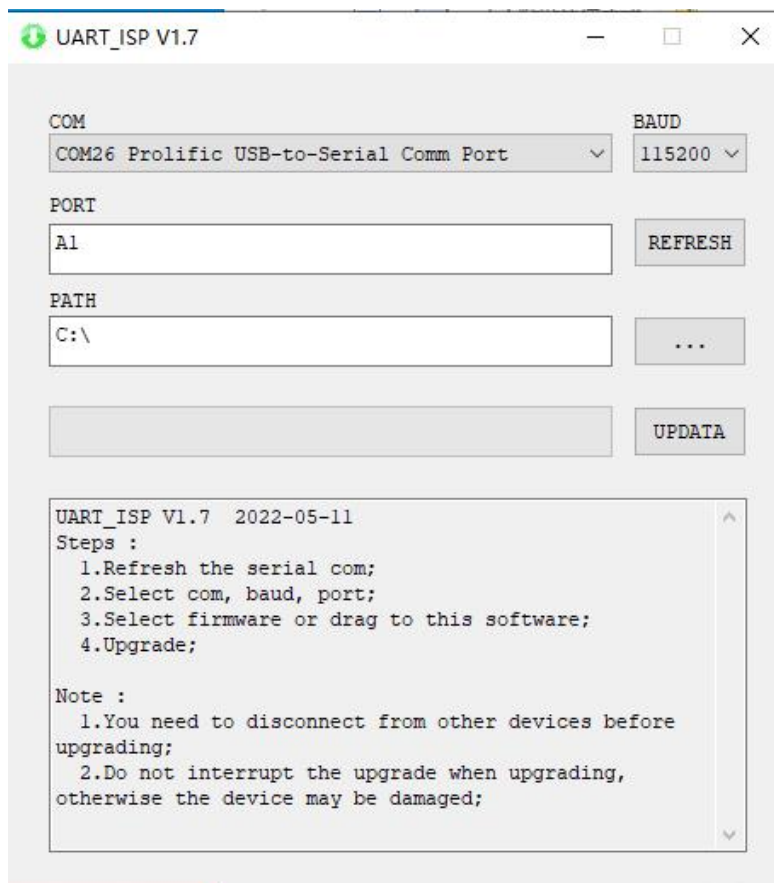
Instructions:

1. All commands start with "#"
2. "_" represents an underscore and is indispensable
3. A space is required between the command header, parameter, and target
4. Entering "#cmd" will show the command list.

Default 1	Build in 4K60hz-5.1CH	#edid_d in1 source=1
Default 2	Build in 4K60hz-2.0CH	#edid_d in1 source=2
Default 3	Build in 4K30hz-2.0CH	#edid_d in1 source=3
Default 4	Build in 1080P60hz-2.0CH	#edid_d in1 source=4
Default 5	Build in 1920x1200P60hz-2.0CH	#edid_d in1 source=5
Copy output	Copy HDMI out	#edid_d in1 source=6

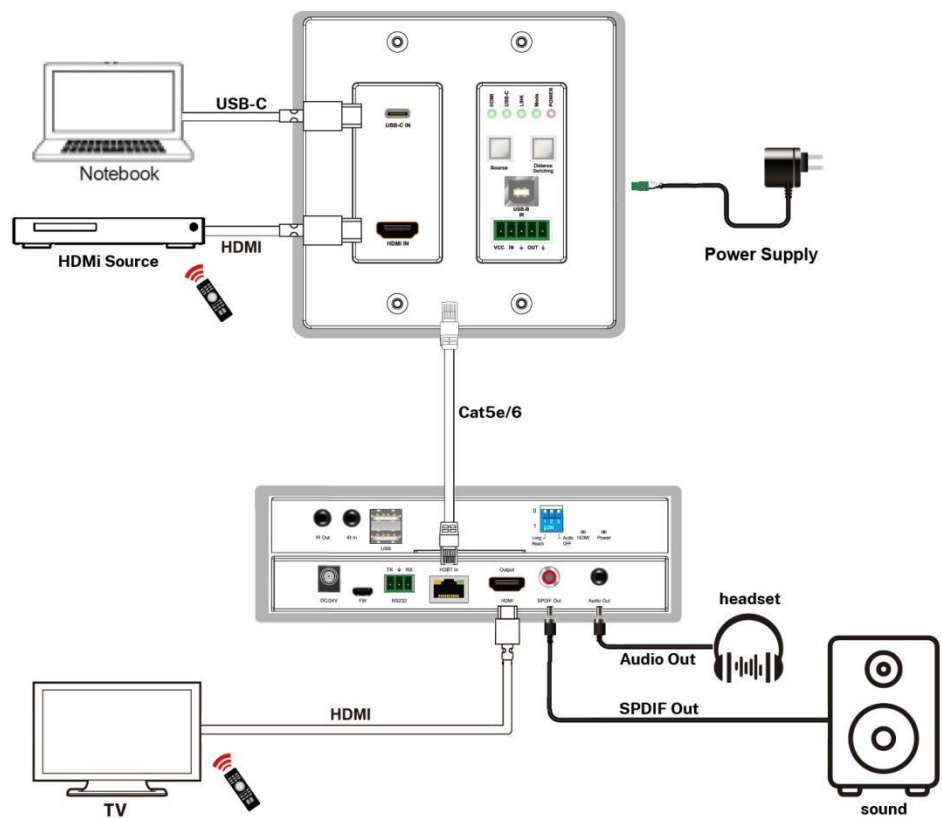
Firmware Upgrade

Open ART_ISP_V1.7.exe on the PC, select the correct port and baud rate of 115200, enter "A1" in port, and select the path of the program in path (XX.bin), and click update to complete the upgrade



Connection Diagram

①



②

