Wall plate user manual

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Contents

Safety Reminder

To protect the device and operating personnel from electrostatic discharge, you need to check and ensure that the device is grounding good before the device is powered on. Please observe the following when you install, use, maintain this equipment.

Make sure the device ground connection.

➢ Please use single-phase three wire system AC 220V power supply, and ensure all transmission system is grounding good.

➢ To protect operating personnel and the device ,please turn off all power supplies and pull the plug before moving the device or doing some specific works witch need to be done when the electricity is turned off . Please turn off   the main power switch on rainy days or when not in use for a long time.

➢ Please do not put anything upon the cables, or tread the cables .

➢ To avoid damaging the device , please turn off power supply before plugging cable into the device or pulling cable from device. The damage caused by plugging/ pulling cables without turning off power supply is outside the scope of the warranty.

➢ The power of the device gives out heat when it works, so it's necessary to keep the work environment ventilated to protect the device from the damage caused by overtemperature.

➢ Do not place the device in very cold or very hot places. Do not sprinkle any corrosive chemicals or liquid on or around the device.

➢ To avoid accident or any further damage ,non-professionals please do not dismantle or maintain the device without permission.

➢ Do not sprinkle any corrosive chemicals or liquid on or around the device.

1.Brief introduction

The product is a wall plug-in network transmitter, including transmitter (WALL-HDBT-HSDA-TP) and receiver (WALL-HDBT-R-P), support HDMI / VGA signal input, HDMI signal output, support audio signal plus De-embedding function, support POC power supply, can transmit 1080p@60Hz signal transmission 70 meters, the product adopts standard 86 box design, convenient installation and convenient use, aluminum alloy panel structure, good heat dissipation performance and exquisite appearance, and RS232 on product panel The interface makes it easy to control external devices, such as controlling the opening of electric curtains, lifting of projectors, and so on. Suitable for high-definition digital video systems to meet the needs of users with ultra-clear experience.

2.Features:

* Support RS232 Bi-directional transmission
* Use twisted pair instead of HDMI cable to realize long distance transmission of signals;
* Transmission of 1080p 60Hz signal can reach 70 meters;
*   Support automatic adjustment of the applicable cable length;
* No loss of signal, pure hardware extender;
* POC power supply

3.Operation and connection

1.Connect the HDMI/VGA/AUDIO signal source to the transmitting end of the wall plate
2.Connect the signal to a matrix or other network transmitter via a network cable;(should be KENSENCE products)
3.Connect the output signal to the receiving end of the wall plate;
4.Connect the display device from the wall to the receiving end;
5.Connect the power devices of each device to work. (Wall plate is powered by POC, or it can be connected to the transmitter separately.)
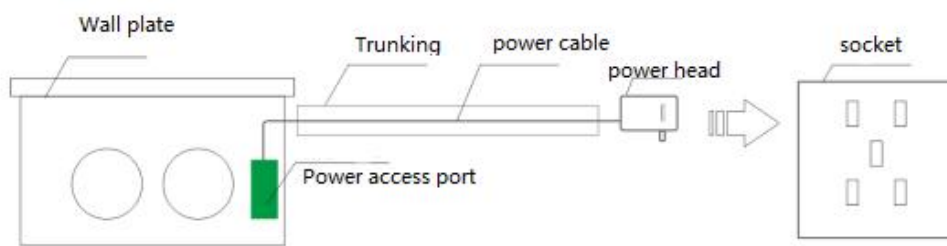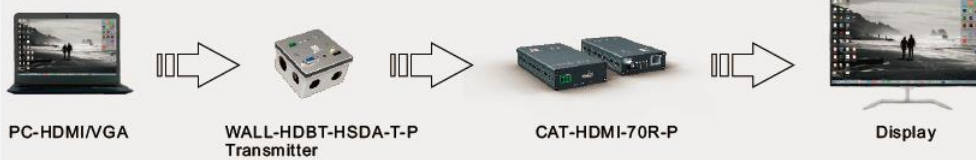
Figure 3.1.1 Wall plugging diagram

Application Example

| PC-HDMI/VGA | WALL-HDBT-HSDA-T-P Transmitter | S-MIX-PRO-99 | S-WALL-HDBT-70R Receiver | Display |

Application 1

Application Example

| PC-HDMI/VGA | WALL-HDBT-HSDA-T-P Transmitter | CAT-HDMI-70R-P | Display |

Application 2

Application Example

HDMI/VGA

HDMI/VGA

Transmitter

S-MIX-PRO MATRIX

S-WALL-HDBT-70R or
CAT-HDMI-70R-P
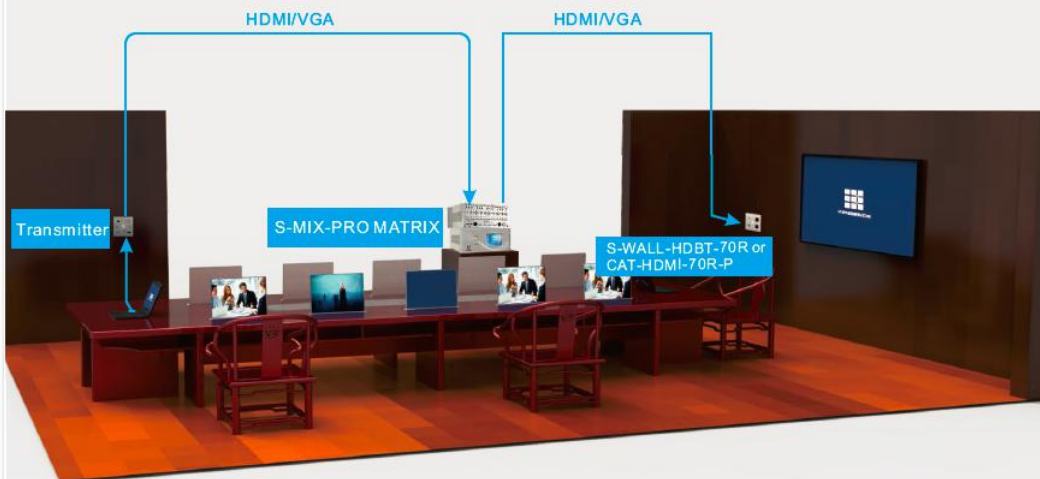
Application 3

Figure 3.1.2 Schematic diagram of equipment usage

4.Standard packing list

Please check the outer package before using this product. Please contact us if the product is faulted or not intact. We will sincerely serve you according to relevant provisions.

S/N	Name	Quantity	Unit
1	User manual	1	pcs
2	Certification	1	pcs
3	Warranty Card	1	pcs

5.Specification

Model	WALL-HDBT-HSDA-T-P	WALL-HDBT-R-P
Name	transmitter	Receiver
Resoluton	1080P@60Hz	
Interface (transmitter)	HDMI INx1,VGA INx1,RS232x1,AUDIO INx1	
Interface(receiver）	HDMI OUTx1 LAN OUTx2 RS232x1	
Transmission distance	70m	
Transmission medium	CAT6	
Input voltage	DC 12V	

Bandwidth	20GBPS
Standard agreement	HDMI1.4,DVI1.0,HDCP
Operating temperature	0℃---50℃
storage temperature	-25℃---55℃
Size (mm)	86x86x45(L/W/D)
Power consumption	9.6W

6.Panel introduction

Figure 6.1.1 WALL-HDBT-HSDA-T-P panel

① RS-232 interface, can pass-thru RS232 interface to control external equipment

② LED indicators:
LINK: HDBaseT connection status
VGA: VGA input signal present status
HDMI: HDMI input signal present status

③ Switch button, toggle HDMI or VGA signal switching

④ VGA signal input connection

⑤ Audio signal input connection (3.5mm)

⑥ HDMI signal input connection
>Press and hold for 3 seconds for auto switching mode.
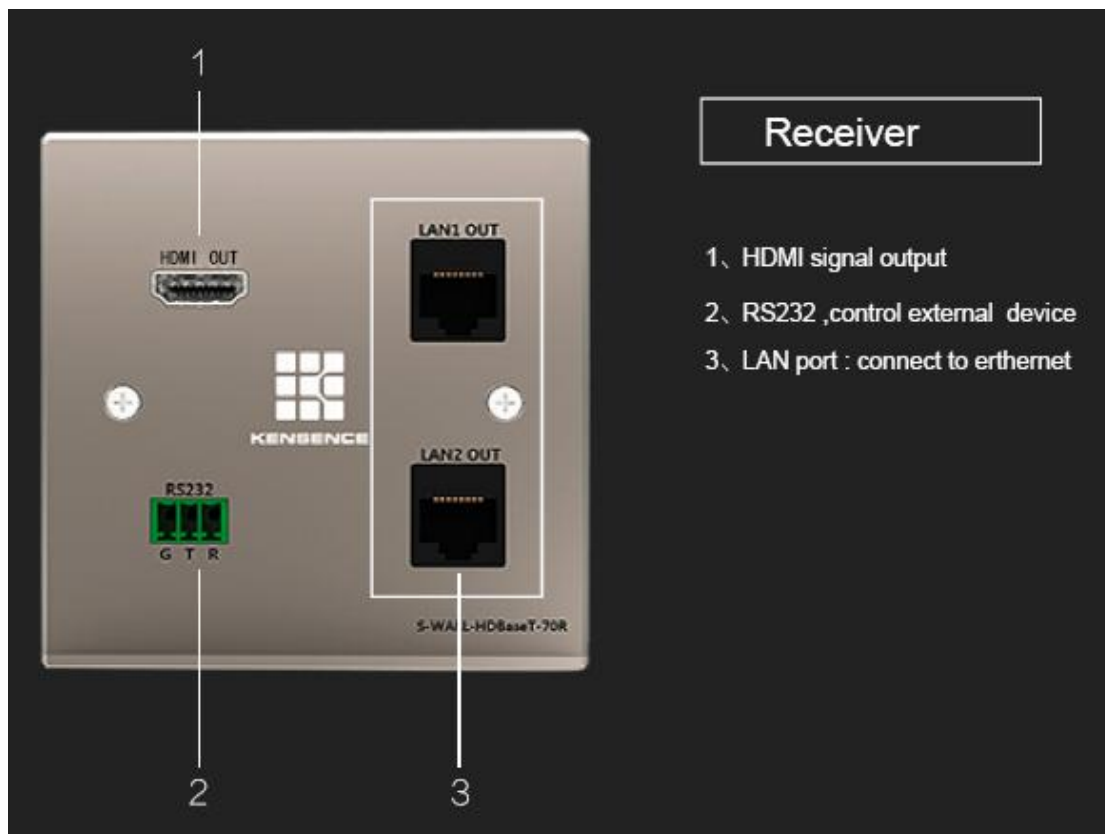(HDMI signal always active when both signals present)

Receiver

1、HDMI signal output

2、RS232 ,control external device

3、LAN port : connect to erthernet

Figure 6.1.1 WALL-HDBT-R-P panel

FAQ

1. The display has no image display
Possible causes: 1. The display does not select the corresponding input source; 2. The connection

between the devices is broken or loose.

Solution: Adjust the display so that it is consistent with the output signal source, re-plug the cable between the devices, and replace the new wire with the damaged wire.

2. Common troubleshooting

Power failure: check power insurance, and cable

Signal interference is large: check whether the signal connection cable and plug are good, whether the cable meets the requirements of the specification, whether the system grounding is good, and whether the AC power grounding system between the devices is consistent.

Accidental damage: hand over to the factory for repair

7.Frequently Asked Questions

Release Notes(Document Number:)		
Date	Version Number	Description
8- 2017	V1.01.01	First version