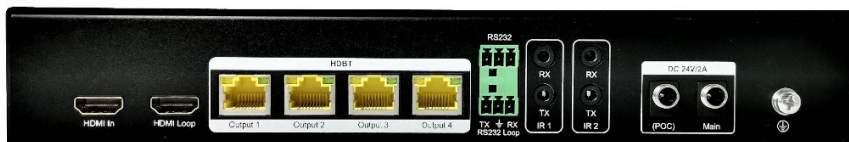**Model** **:** ATZ HDBT-E100-14
Description : HDBaseT 1x4 Splitter HDMI 2.0, HDR, 18G, support 4K@60hz (100M)

Features:

- Incorporates HDBase-T technology
- Distributes 1 HDMI source to 4 HDBaseT Output with 1xlooping HDMI output
- Bandwidth up to 18Gbps, resolution up to 4k @60hz YUV 4:4:4
- Transmit up to 100m under 1080p, 70m under 4K
- Support HDR10; HDCP2.2/1.4
- Bi-Directional wide band IR and RS232 pass through
- Support Micro USB updating
- Power adapter 24V2A
- Support POC remote power supply 24V2A
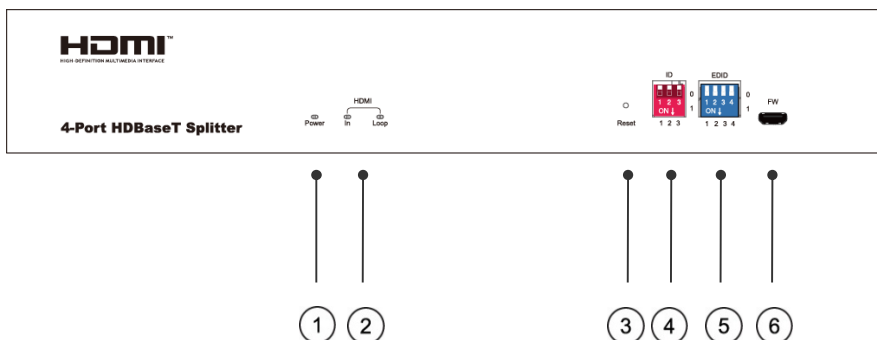
Model : ATZ HDBT-E100-14
Description : HDBaseT 1x4 Splitter HDMI 2.0, HDR, 18G, support 4K@60hz (100M)

Specifications:

Operating Temperature Range	-5 to +40℃(+23 to +104℉)
Operating Humidity Range	5 to 90%RH (No Condensation)
Input Video format	720P / 1080P / 4K@60hz
Data transfer speed rate	18 Gbps(Maximum)
Input port	1xHDMI
Output ports	4xHDBaseT port, 1xHDMI loop out
Output Video Format Supported	DTV/HDTV:480i/576i/480P/576P/720P/1080i/1080P, 4K VESA resolution:1920x1200
Transmission Distance	100m under 1080P 70m under 4K
Power consumption	15W(HOST); 30 W(POC)
Dimension (L×W×H)	270x190x44mm
Net Weight	1640g

PANEL DESCRIPTIONS

Front Panel
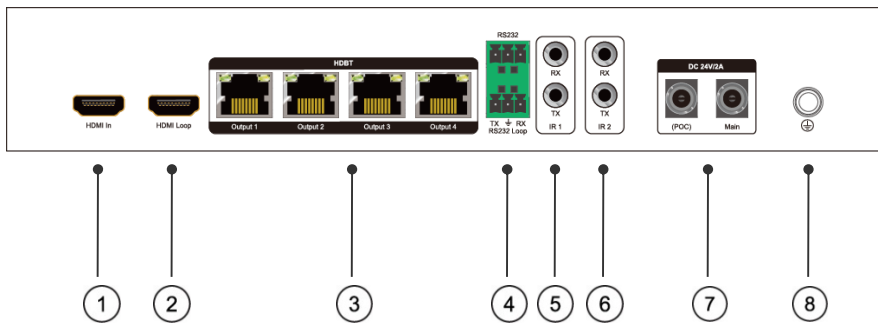

① Power indicator
② HDMI input and loop indicator
③ Reset button
④ ID Switch button
⑤ EDID switch button
⑥ Firmware update port

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Rear Panel

① HDMI input port
② HDMI loop out port
③ HDBT output 1~4 ports
④ RS232 port
⑤ IR1 in and loop port
⑥ IR2 in and loop port
⑦ DC 24V port (if the receiver have power supplier, DON'T use POC port)
⑧ Grounding

IR Cascading:

Infrared is divided into two groups IR1 and IR2. The upper interface of each group IR is IR RX, and the lower interface is IR TX. IR2 is the infrared loop out, used to connect the next level of IR1.

1st   2nd   3rd

Note: the red arrow indicates the two-way 3.5mm infrared 3-section connector; The blue arrow indicates the direction of infrared in the product

Model : ATZ HDBT-E100-14
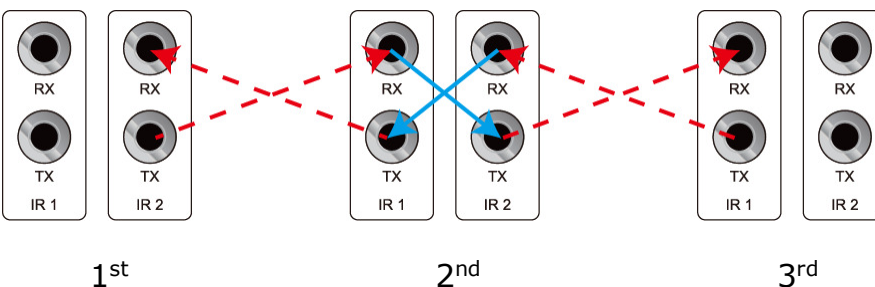**Description :** HDBaseT 1x4 Splitter HDMI 2.0, HDR, 18G, support 4K@60hz (100M)

No.	Switch button				Resolution
	1	2	3	4	
1	0	0	0	0	4K60-444-2.0
2	0	0	0	1	4K60-444-2.0-HDR
3	0	0	1	0	4K60-444-5.1-HDR
4	0	0	1	1	4K60-444-7.1-HDR
5	0	1	0	0	4K30-444-2.0CH
6	0	1	0	1	4K60-420-2.0CH
7	0	1	1	0	1080P-2.0CH
8	0	1	1	1	Copy LOOP
9	1	0	0	0	Copy HDBT1
10	1	0	0	1	Copy HDBT2
11	1	0	1	0	Copy HDBT3
12	1	0	1	1	Copy HDBT4

Table header: EDID Setting

Factory data reset

Function description: factory Settings can be restored through host RESET and long press 3S, HDMI input and output indicator lights flicker for 4 times, and the back-end TV screen goes black.

The RS232 PASS THROUGH

Basic Settings: double-click the software in the installation package to install RS232 software on the computer. Select the serial port number connecting the serial port line to PC in the parameter configuration area. Fill in the baud rate of the communication protocol: 115200. Data bit: 8. Stop bit: 1. Check bit: none. And then input the instruction in the command input area to realize the bidirectional transmission of the serial port between the local receiver and the remote receiver. Or the bidirectional

transmission of the serial port between the remote and remote terminals. Support pass through baud rate: 115200576 00384 00192 00144 00960 0480 0240.

Command list:

Command head	Device ID No.	HDBT Port	Connecting
#uart	id%d&%d...&%d	port%d&%d...&%d	bypass=%d
	0：all 1: ID 000	0：all 1: HDBT 1	**0:** Disconnect the port of the selected ID from the port that sent this instruction

Model   **:** ATZ HDBT-E100-14
Description : HDBaseT 1x4 Splitter HDMI 2.0, HDR, 18G, support 4K@60hz (100M)

	2: ID 001	2: HDBT 2	**1:** Connect the port of the selected ID to the port that sent this instruction
	3: ID 010	3: HDBT 3	
	4: ID 011	4: HDBT 4	
	5: ID 100		
	6: ID 101		
	7: ID 110		
	8: ID 111		

Note: the id% d % d...&%d can select multiple device ids at the same time
(%d cannot exceed 8)
Port% d % d...&%d can select multiple HDBT ports at the same time
(%d cannot exceed 4)
The instruction is only valid if the baud rate is set to 115200

For example: Type #uart id1 port0 bypass=1 to indicate that all ports of HOST with ID 1 are connected to the machine (HOST which is connected to the computer). Then, in the instruction input bar, send the RS232 bypass instruction: # CMD, as shown in page 6.

RS232 cascade
Host's upper RS232 ring outlet and next RS232 serial port are connected by RS232 male wires on both sides. Connect channels by sending instructions (note: the ID number of any two SPH05 cannot be set to the same). It can realize bidirectional transmission of serial port between any two products or any HDBT receiver with any ID number

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Product Diagram:

Package contents:

1x HDBaseT Splitter
1x 24V DC Adapter
1x User Manual
1x IR TX cable; 1x RX cable
2x Fixed hanger
2x Phoenix terminal
2x 3.5mm stereo cable (cascading IR)

Warranty: 2 Years

Warranty is effective from the date of original delivery.
This warranty shall be void if a serial number has been removed from the product.