

3. Connection Instruction :

1. Connect the source device and HDbiT transmitter(TX) via HDMI cables
2. Connect the HDbiT transmitter(TX) and HDbiT 8×1 extender switch via network cable
3. Connect the HDbiT 8×1 extender switch and HDMI display device via HDMI cable
4. Connect the power adapter , HDbiT 8×1 extender switch unit switches to the very channel then works

Note:

The IR pass back function is an additional function, it will not effect other functions if not use it. When use it, follow the indications as below to connect the IR extender cables
IR IN: Connect with HDbiT 8×1 extenderswitch unit, please keep it laying parallel and facing up , and the remote control space without any shelter, the distance from the sourcedevice between 5cm and 500cm.
IR OUT: Connect with the transmitter, please keep it laying parallel and facing up the IR receive window without any shelter, the distance from the source device between 3cm and 300cm.

• FAQ

Q: TV displays “waiting for connection...” on the bottom right corner?

A: Please check the connection indicators

- 1) Please check the status of power lights of the transmitters and the extender switch unit, make sure them have been connected well with power adapters
- 2) Please check and make sure HDMI cables and network cables connect well

Q: TV display “Please check the TX input signal” ?

A: 1) Please check and make sure there is an HDMI signal input of TX
2) Try to connect the signalsourcedirectly to display device to see if there is signal output from source device or change the signal source, HDMI cables and try again.

Q: Blank screen or there is no signal input on the display end.

A: Please check the HDbiT 8×1 extender switch unit

- 1) Please check and make sure the power supply whether connected well
- 2) Please check and make sure the HDMI cable whether connected well
- 3) Reset or restart the HDbiT 8×1 extender switch unit

Q: Display it not fluent and stable

- A: 1) Please check and make sure the cable length between HDbiT TX(transmitter)and switch is within the required range.
2) Press “reset” button on the TX/switch panel, reset and reconnect.
3) Please check and make sure the network cables are connected orderly according to IEEE-568B

• Specification

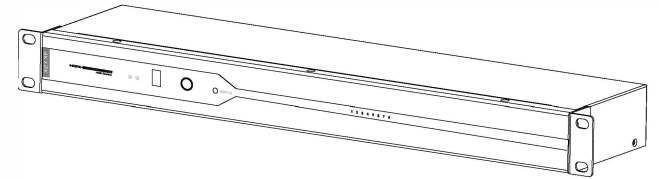
Item	Specification
HDMI Signal	HDMI1.4 , HDCP1.4
Input Port	8 x RJ45 (RJ-45 Female)
Output Port	1 X HDMI (HDMI Type A Female)
Channel Indicators	8 x LED
Transport Protocol	HDbiT
Support Resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz 4K×2K@24/25/30Hz
Transmission Distance	Extend 4K×2K@30Hzultra HD signal up to 120 meters over CAT6 network cable
IR Remote Control	Support 20 ~ 60KHz IR remote control device
Working Temperature	0°C ~ 60°C
Power Adapter	DC5V/2A
Power Consumption	<8W
Dimension	483(W) x 110(D) x 45(H) mm
Weight	1.35KG
Color	black



HDbiT 8×1 Extender Switch

User Manual

4KX2K



Disclaimer

The product name and brand name may be registered trademark of related manufacturers.TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference,and there may be some slight difference with the real products.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

Important Safety Notes:

- 1.Do not plug-in/out the network cables and IR cables when it is in using.
- 2.Use DC5V/2A only. Make sure the specification matched if using 3rd party DC adapters.

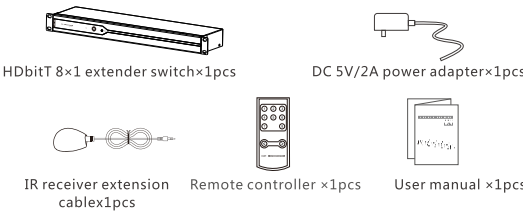
Product Introduction

This product combines the extension and switch functions, support 8 HDbiT inputs and 1 HDMI output. It could match with 8 transmitters via network cables, and transmit HDMI signal up to 120m. This product with the IR signal transmission to control the source device operation in long distance. It is widely applied in HD audio visual display room, exhibition center and digital monitoring system.

Features

- 1. Switch 8 HDbiT sources to 1 HDMI display
- 2. Support resolution up to ultra HD 4K×2K@30Hz
- 3. Extend signal up to 120 meters over CAT6
- 4. Based on HDbiT technology, more stable performance
- 5. Support IR passback
- 6. The channel chosen is displayed in the front pannel
- 7. Plug-and-play, easy installation

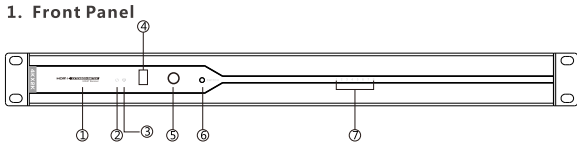
Package Contents



Installation Requirements

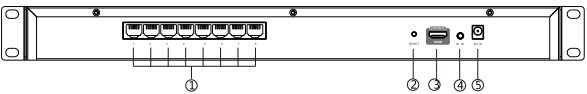
- 1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc)
 - 2. HDMI display device like SDTV, HDTV, and projector with HDMI port.
 - 3. HDMI extender TX which supports HDbiT transport protocol
 - 4. UTP/STP cat5/5e/6 cable, follow standard IEEE-568B
- Network cable length support between every connection:
- CAT5 80m
 - CAT5e 100m
 - CAT6 120m

Panel Description

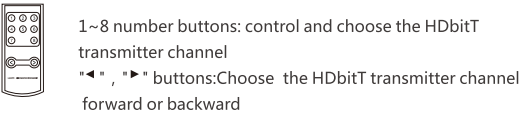


- ① Power indicator: indicator lights when power adapter connected
- ② Data transmission indicator: indicator twinkles fast when data or signal transmit successfully
- ③ Connection indicator: indicator lights when circuit connect successfully
- ④ LED segment displays: Display the channel of source device that connected at present
- ⑤ IR receiver window: for changing channel only by remote control
- ⑥ Switch button: Switch and choose input channel
- ⑦ Channel indicator: indicator twinkles when transmitters connect well with the chosen channel port on the extender switch unit

2. Back Panel



3. Remote controller



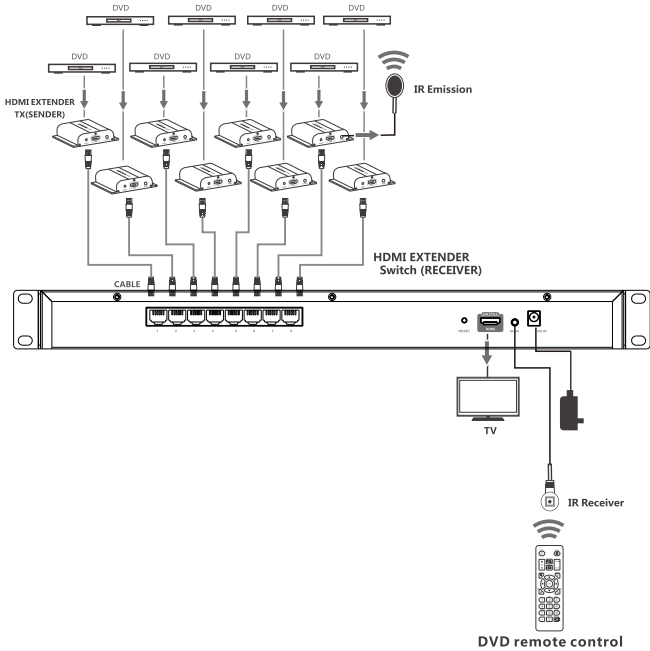
Connection and Operation

1. network cable

- Follow the standard of IEEE-568B:
- 1、Orange/white 2、Orange 3、Green/white 4、Blue 5、Blue/white 6、Green 7、 Brown/white 8、 Brown



2. Connection



[NOTE]
This extender switch unit need to match with transmitters to realize extend and switch video/audio signal