POC HDMI Extender 60 Meters Over Network Cable

User Manual

Introduction：

It is difficult to transmit the high definition signal in long distance and HDMI Cable is expensive and rare,so this HDMI Extender solved this problems. Simply use one network cat6/cat6a/cat7 cable in stead of HDMI cable to extend HDMI signal to 60m which save your money and space,It also supports EDID learning and is perfectly compatible with any display.

Features:
- Supports HDMI 1.3.
- Follow standard IEEE-568B.
- Can extend HDMI 1080p signal to 60m.
- Supports POC network cable power supply, only
- need TX power supply
- Supports EDID learning and it is perfectly
- compatible with any display.
- Indicator LED can indicate the working status.

Specification：
Support HDCP Version.....................................HDCP1.2
Support HDMI Resolution............up to 1080p@50/60Hz
Transmission Length.................less than 60m by CAT6 Cable or higher level cable
Support Network Cable...................CAT6, CAT6A, CAT7
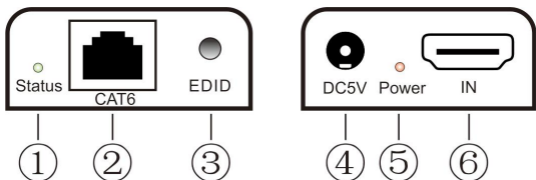Support HDMI Cable
length...AGW26≤15M

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Power Supply................................................DC5V 2A
Power Consumption..........................TX: 1.5W; RX< 1W
Operating Temperature.......................................0～60℃
Case Dimension...........................................7x4.3x1.7cm
Weight..............................................................300g
Case Material.....................................................Metal
Color................................................................Black
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Package Contents：
1 x HDMI Transmitter
1 x HDMI Receiver
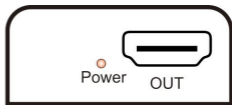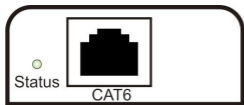1 x DC5V/2A Power Adapter
1 x User Manual

Diagram of Interfaces：
HDMI Transmitter

① Status indicator light,there are four states
　1）On light - HDMI signal input

2）Fast - EDID learning status,copy successfully, resolution of output signal according to EDID of the monitor display

3）Slow - EDID failure to learn, resolution of output signal is default 1080p/60Hz.

4）No light - the resolution of HDMI input doesn't work or HDMI cable is longer cause to signal attenuation

② RJ45 network port, connect to RJ45 network port of RX with Cat6 or above network cable

③ EDID learning button,connect TX to the HDMI port of display devices via HDMI Cable ,press the EDID key for 5 seconds.When the status indicator light is fast flashing, it means that EDID succeed in learning.But if the status indicator light is slow flashing,EDID failure to learn,at this point,the resolution of output is default 1080p/60Hz.

④ Power port,connect to 5V2A power adapter.

⑤ Power indicator light

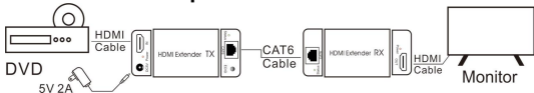⑥ HDMI source input, connect to DVD,Computer and TV Box etc.

HDMI Receiver

① Status indicator light ,light on when receive the network signal of TX

② RJ45 network port, connect to RJ45 network port of RX with Cat6 or above network cable

③ Power indicator light , light on when connect to network cable,TX supply power to RX via network cable, RX no need power adapter

④ HDMI source output, connect to DVD,Computer and TV Box etc.

EDID learning method:

1.Connect the HDMI input port of the transmitter to the monitor via the HDMI cable.

2. Use the accessory's 5V2A power supply to power the TX transmitter. Other interfaces do not need to be connected.

3. Press and hold the EDID button for 5s and observe the status of the LINK indicator:
Slow flashing: Learning is not successful. At this time, the default EDID is used.

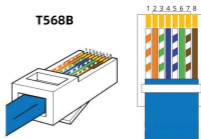Fast flashing: The learning is successful. Use the new EDID after power-on.

Connection and Operation：

Installation steps:
1. Use HDMI cable to connect the HDMI source device(computer graphics card, DVD, HD monitoring equipment etc) to the HDMI input interface of the HDMI sender(TX).
2. Use HDMI cable to connect the HDMI source device(HDTV, monitoring,projector etc) to the HDMI output interface of the HDMI Receiver(RX).
3. Use UTP/STP cat6/cat6A/cat7 cable to connect RJ45 output interface of the TX to the RJ45 input interface of the RX.
4. Connect the DC5V power adapter to the TX.
5. You can use when switch on the power of display devices and source devices.

UTP/STP cat6/ cat6A/ cat7 cable

follows standard IEEE-568B:

1-ORANGE/ WHITE	2-ORANGE
3-GREEN / WHITE	4-BLUE
5-BLUE/WHITE	6-GREEN
7-BROWN/WHITE	8-BROWN

Note：

Please use the machine as the instruction listed to keep the long lifetime of it.

1. Keep away from moisture, high temperature, dusty, corrosive and oxidizing gas to avoid damage.
2. All parts will be free from the strong shake, hit, fall.
3. Please do not touch the power adapter plug with wet hands.
4. Please hold the plug when unplugging. Do not pull the power cable directly.
5. Please turn off power when the item is not in use.
6. Please do not open the cover and do not touch the inside parts.

FAQ：

Please check all the cables carefully before installation and make sure all the interfaces are connected correctly. The common problems and the relevant solutions are showed as follows.

No	Problem Description	Solutions
1	No Image Output or the status indicator light of Transmitter not flash	1. Please check if the power connection is normal. 2. Please adjust the resolution of signal output,until it shows normally. 3. Please check the HDMI cable and the length is less than 15m 4. Please check if the network cable if Cat6 or above,and the length less than 60m. 5. Please use the EDID learning function.
2	The status indicator light of Receiver not flash	Check if the network cable works or connection is stable or not.