

## HD-T100 HDMI Twisted Pair Extender Instruction V1.0

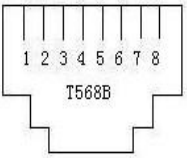
### 1. Instruction:

- ◆ The passive enhanced HDMI distance extension kit is the accessory for both transmitter and receiver .
- ◆ the back of the transmitter is marked with "T", the receiver is marked with "R".
- ◆ If the image quality is less good, please charge on the receiver.
- ◆ Please use single CAT.5e/6 cable for transmitting.

### 2. Specifications:

Item	Transmitter (T)	Receiver (R)
Maximum Resolution	1920×1200@60Hz	
Input TMDS Signal	1.2Vp-p	
Output DDC Signal	5Vp-p (TTL)	
Maximum Distance	100m (Using CAT.6 Cable)	
Input/Output Connector	HDMI Type A	
Connector	RJ45	
DC Offset	—	DC 5V 1A
Net Weight	0.06KG	
Package Net Weight	0.16KG	
Dimension	140mm ×90mm×50mm (L×W×H)	

### 3. RJ45 PIN & Wiring Standard Definition:

	RJ45		
	PIN	Color	Function
	1	White-orange	TMDS DATA 2+
	2	Orange	TMDS DATA 2-
	3	White-green	TMDS CLOCK+
	4	Blue	TMDS DATA 1+
	5	White-blue	TMDS DATA 1-
	6	Green	TMDS CLOCK-
	7	White-brown	TMDS DATA 0+
	8	Brown	TMDS DATA 0-

#### Note:

- 1) Make sure that the cable wiring order is the B class, which is orange-white, orange, green-white, blue, blue-white, green, brown-white, brown.
- 2) Please ensure the connection is fine before operating the signal source equipment (such as PC and edge blending processor).

3) Check if there's any loose for every connection, make sure they are well connected if the transmission distance is far away.

#### 4. Transmission distance:

The transmission distance of using **CAT.5e cable**.

Resolution	Distance( m)	Resolution	Distance( m)
800×600	50	1600×900	40
1024×768	50	1680×1050	40
1280×720	50	1920×1080	40
Downward compatible with multiple resolutions			

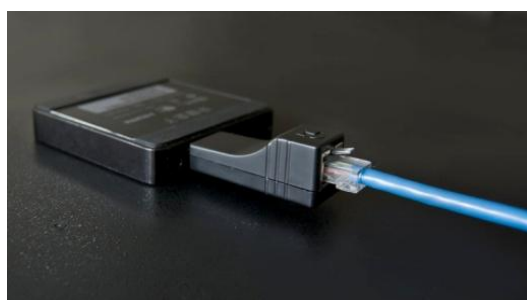
The transmission distance of using **CAT.6 cable**.

Resolution	Distance( m)	Resolution	Distance( m)
800×600	100	1600×900	70
1024×768	100	1680×1050	70
1280×720	70	1920×1080	70
1280×1024	70	1920×1200	70
Downward compatible with multiple resolutions			

With the different performance of display device,signal source device and twisted pair cable,the maximum transmission distance may be slightly different.

#### 5.Connecting method:

Connect the transmitter (HD-T100-T) and receiver (HD-T100-R) through CAT.5e or CAT.6 cable.Connect the transmitter to the HDMI signal source and connects the receiver to the display device as shown below:

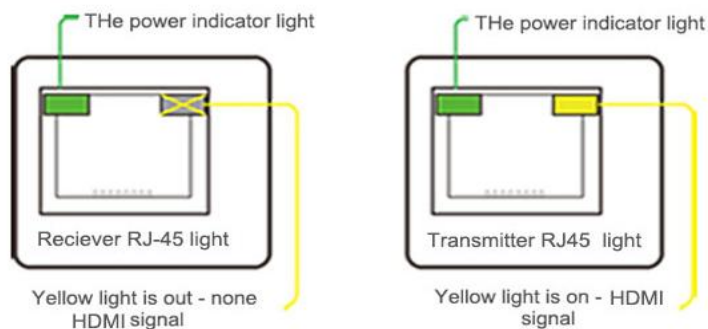


HD-T100 transmitter connection



HD-T100 receiver connection

## Indicator Light



## Network port indicator light

**6. Precautions:**

- 1) HD-T100 does not support HDCP compliant.
- 2) Resolution below 640×480 may cause noise on the screen.
- 3) Keep away from the equipment that can generate electromagnetic waves, such as microwave ovens, radio equipment, high voltage lines, etc.
- 4) **Please use high quality CAT.5e or CAT.6 cable**, including Ethernet cable and plug. The performance of twisted pair cable may directly affect the maximum transmission distance.
- 5) Network wiring cannot use STP and flat wire, otherwise it will result in no images.
- 6) Transmitter and receiver cannot be mixed. Otherwise it will result in no images.
- 7) **During use please do not hot plug. Otherwise, the device will be damaged.**