

## MRV-10 Mixing Twisted Pair Extender Instructions V1.0

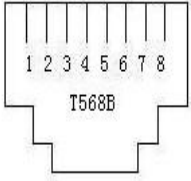
### 1. Instruction:

- ◆ The passive enhanced MRV-10 distance extension is the accessory for both transmitter and receiver.
- ◆ **Kit distinction:** the back of the transmitter is marked with "T", the receiver is marked with "Receiver", the twisted pair cable connector is marked with "RX".
- ◆ **If the image quality is less good, please charge on the receiver.**

### 2. Specifications:

Item	Transmitter ( T )	Receiver ( R )
Maximum Resolution	1920×1200@60Hz	
Input TMDS Signal	1.2Vp-p	
Input DDC Signal	5Vp-p (TTL)	
Maximum Distance	80m (Using CAT.6 Cable)	
Input Connector	HDMI Type A	RJ-45
Output Connector	RJ-45	15 Pin HD Jack , ear Jack
DC Offset	—	DC 5V 1A
Net Weight	0.1KG	
Gross Weight	0.2KG	
Packing Size	140*90*50 (L*W*H)	

### 3. RJ45 PIN & Wiring standard definition:

PIN	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 connection distance is far away.

#### 4. Transmission distance:

The transmission distance of using CAT.6 cable (With the different performance of display device, PC and twisted pair cable, the maximum transmission distance may be slightly different).

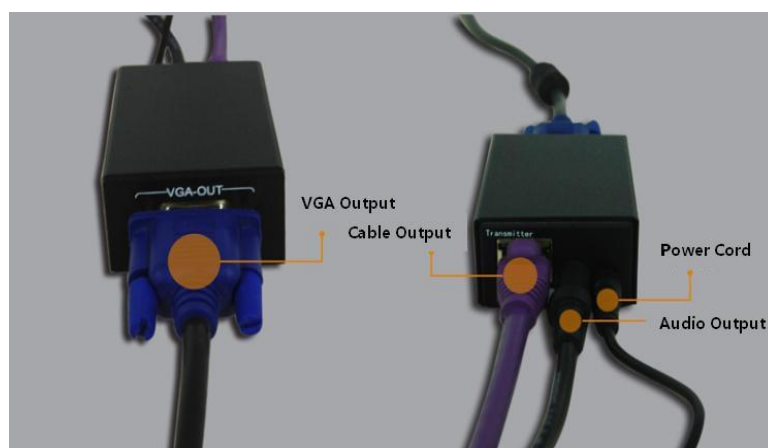
Resolution	Distance(m)	Resolution	Distance(m)
800×600	80	1600×900	60
1024×768	80	1680×1050	60
1280×720	60	1920×1080	50
1280×1024	60	1920×1200	50
Downward compatible with multiple resolutions			

#### 5. Connecting method:

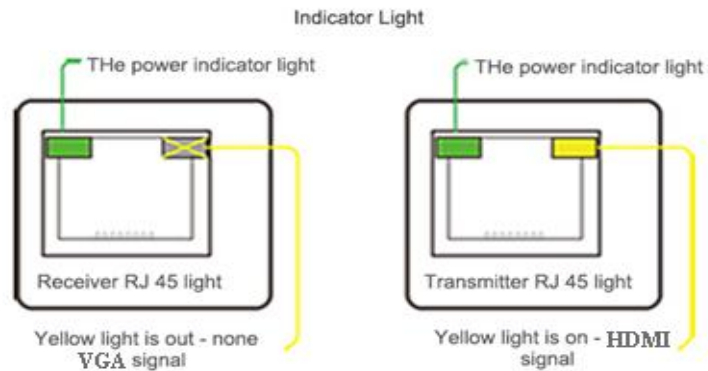
Connect the transmitter to the HDMI signal source and connect the receiver to the VGA display device. Transmitter and receiver are connected by a CAT.6 cable. As shown below:



MRV-10 transmitter connection



MRV-10 receiver connection



Network port indicator Light

## 6. Precautions:

- 1) MRV-10 does not support HDCP compliant.
- 2) VGA connector of the receiver requires external power supply during use.
- 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.6 cable. The performance of twisted pair cable may directly affect the maximum transmission distance.
- 5) Network wiring cannot use STP wire or flat wire. Otherwise it will result in no images.
- 6) Transmitter and receiver cannot be mixed, and need to be connected by rules. Otherwise it will result in no images.
- 7) During use please do not hot plug. Otherwise, the device will be damaged.