

DH-10 Twisted Pair Repeater Instructions V1.0

1. Instruction:

- ◆ **Kit distinction:** the back of the DH-10 repeater that connects with the transmitter is marked with "T", the side that connects with the receiver is marked with "R".
- ◆ Please use two **CAT.6** cables with the same length to transmit.

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	160m (Using CAT.6 Cable)	
Connector	RJ45	
Net Weight	0.06KG	
Gross Weight	0.16KG	
Packing Size	140*70*40 mm(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:

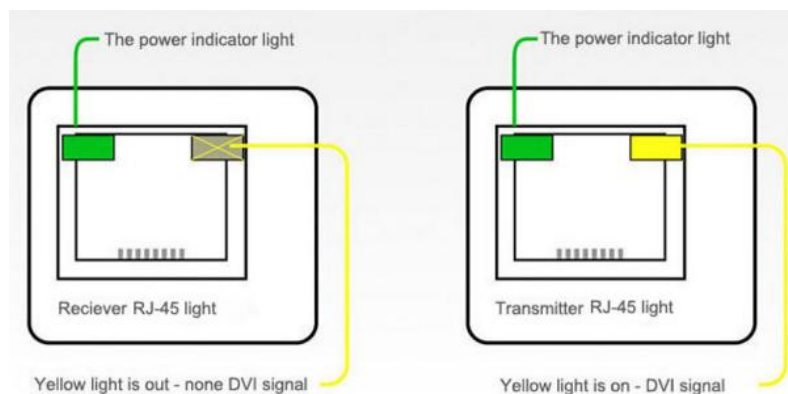
- 1) Make sure that the cable wiring order is the B class, which is orange-white, orange, green-white, blue, blue-white, green, brown-white, brown.
- 2) Please ensure the connection is fine before operating the signal source equipment (such as PC and edge blending processor).
- 3) Check if there's any loose for every connection, make sure they are well connected if the transmission distance is far away.

4. Connection method:

"R" side is connected with the signal source through CAT.6 cable of extender's transmitter, "T" side is connected with the display device through CAT.6 cable of extender's receiver. As shown below:



Connection method



Network port indicator light

5. Precautions

- 1) DH-10 does not support HDCP compliant.
- 2) Resolutions 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.6**, including cable and crystal head. Cable material may 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.**