

## Model: TTHDMI2RJ

### Features

Transmit or receive HDMI signal over single standard Cat5e/6

- TTHDMI2RJ consists of a transmitter unit and a receiver unit
- HD Video reaches up to 25m (over Cat5e or above)(1080p@60Hz)
- Support HDMI 1.3 and HDCP1.2
- No additional power supply required, high cost-effective advantage
- Small size, easy and convenient to use, plug & play, no need to configure
- [The actual transmission distance is related to the driving capability of the HDMI interface.](#)



### Overview

The TTHDMI2RJ is a HDMI extender which adopts new HDMI extending technology. The product consists of a transmitter unit and a receiver unit and should be used in pairs. With the application of this HDMI extender, HDMI signal could be extended up to 25m over single cost-effective Cat5e or above at higher standard. Transmission distance up to 25m (over Cat5e or above) is a perfect solution for family application as well as CCTV monitoring. The TTHDMI2RJ extender is also a complete solution to solve the image mosaic, color distortion, transmission failure and other problems when long distance HDMI signal is transmitted. The product is widely applied to situations such as Home Theater, Exhibition, Multi-media classroom, etc.

## Panel View

### Transmitter



- ① HDMI input, connected with computer/video player
- ② RJ45, used for HDMI signal extension transmission

### Receiver



- ① HDMI output, connected with LCD /OLED screen
- ② RJ45, used for HDMI signal extension transmission

## Quick Setup Guide

Step 1: Begin with all input/output devices turned off and power cables are removed.

Step 2: Directly connect the male end to video source(use a Cat5e cable: connect one end to RJ 45 connector of TTHDMI2RJ-TX, the other end to RJ45 connector of TTHDMI2RJ-RX ).

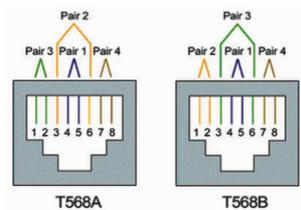
Step 3: Connect the male end to display device.

When the display device works with good image, then the whole connection is done successfully.

**Note:**

1. The wiring must be away from any equipment with electromagnetic wave such as mobile phone, microwave, radio equipment, fluorescent lap, power lines, etc.
2. This device is not network equipment, do not connect with network to avoid damage.
3. Under normal circumstances, the TTHDMI2RJ-RX can be powered from the HDMI interface. If the monitor's HDMI interface supply current is too small to make the TTHDMI2RJ-RX start up, the monitor will not display images.

## How to make a network cable



	1	2	3	4	5	6	7	8
T568A	Green White	Green	Orange White	Blue	Blue White	Orange	Brown White	Brown
T568B	Orange White	Orange	Green White	Blue	Blue White	Green	Brown White	Brown

To create a network cable, you will first need the equipment listed below.

- 1) Cat5e, Cat6, or Cat7 cable

- 2) RJ-45 connectors
- 3) Crimping tool
- 4) Wire stripper or Knife

The wire sequence of RJ45 connector must comply with international standard of EIA/TIA 568A or EIA/TIA 568B.

- 1) We recommend stripping at least half an inch of the cable to expose the inner wires.
- 2) Separate the wires within the cable after the network cable jacket has been removed so that they can be put into the RJ-45 connector.
- 3) The CAT5 twisted-pair cable consists of four twisted wires, each color coded; 8 wires must be correctly lined as the standards of EIA/TIA 568A or EIA/TIA 568B.
- 4) Cut thread residue and leave 1.5cm wire exposed outside the insulating layer and ensure 8 wires are straighten and neat.
- 5) Place the cable into the RJ-45 connector and then use the crimping tool to attach the connector.
- 6) Repeat above steps for the other end of the cable; the wire sequence of both ends of the cable is suggested to be identical.
- 7) Make sure to test the cables before installing them once both ends of the cable have been completed.

## Technical Specifications

Product Name	HDMI Extender
Model	TTHDMI2RJ
Version	HDMI1.3    HDCP1.2
Resolution	720p@50/60Hz, 1080i@50/60Hz, 1080p@60Hz
Max Transmission	Transmission distance max up to 30m over Cat5e or above <b>Note: The actual transmission distance is related to the driving capability of the HDMI interface.</b>
Power Consumption	TX: ≤0.5W    RX: ≤0.5W
ESD Protection	Electronics Touch Discharge: ±2KV    Air Discharge: ±4KV    Standard: IEC61000-4-2
Operating Temperature	0°C ~ 60°C
Humidity	0 ~ 95%
Dimension	58mm x 30mm x 17mm

## Trouble Shooting

- 1) Remove possible faults with following instructions.
- 2) Check if devices installed in proper way instructed by the supplier.
- 3) Check if HDMI cable well connected and line sequence at sending & receiving unit in correspondence.
- 4) Check if actual transmission distance exceeds Max. distance permitted under this HDMI format.
- 5) Replace the defective one with a proper unit, and check if end devices ( DVD, Display etc,) is damaged.
- 6) Contact the supplier if faults can't be removed after operations mentioned above.
- 7) Check if the resolution of the video source output exceeds the maximum resolution supported by the product, and please check if the resolution of the monitor is consistent with the maximum supported resolution of the product.

## After-Sales Service

For breakdown caused by product quality, we guarantee products return within 15 days, exchange within 30 days, free warranty within 1 year. Guarantee period counts from the date of purchasing. Please note that there are certain instances where free warranty services cannot be provided:

(However, rest assured that repairs can still be carried out at a reasonable fee.)

- 1) Damages caused by man-made factors, such as application or storage under improper working environment or not in accordance with user manual.
- 2) Disassembling, repairing by user or testing, maintaining by maintenance point not designated by FOLKSAFE.
- 3) Damage caused by force majeure factors such as accident natural disasters (fires, lightning strike, earthquake) etc.
- 4) Other damages caused by improper operation and application.

## Application Diagram

