

Model: LTAH1070E

Features

Transmit or receive HDMI signal over single standard Cat5e/6

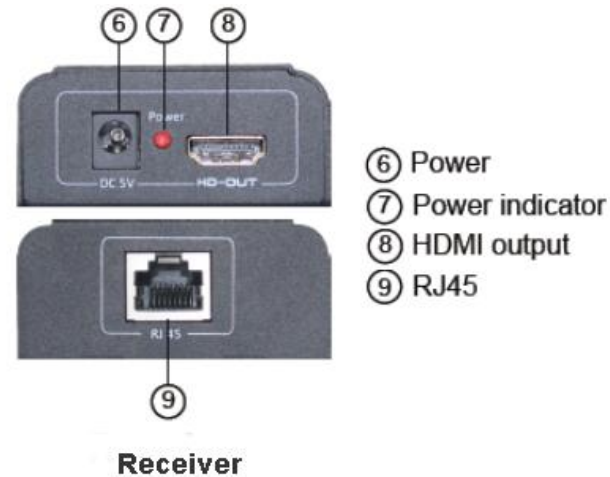
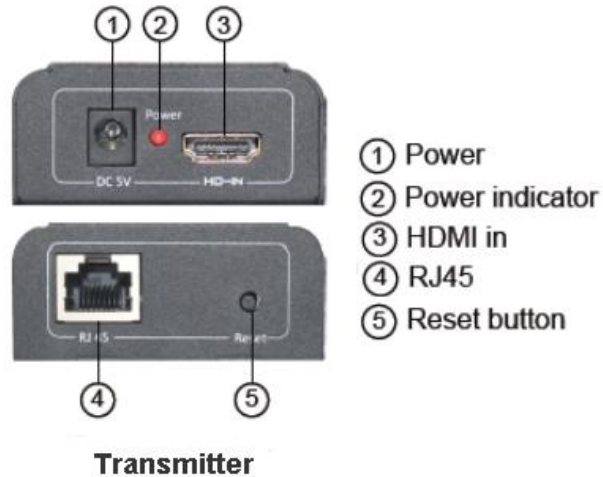
- LTAH1070E consists of a transmitter unit and a receiver unit
- HD Video reaches up 50m(1080p@60Hz)
- Support HDMI 1.3 and HDCP1.2
- LED Status to indicate HDMI Activity
- Support Audio format DTS-HD/Dolby True HD/PCM/ Dolby AC3/DSD
- Easy and convenient to use, plug & play, no need to configure
- Power supply 5VDC/1A power adaptor included
- Metal housing for stable and durable working life



Overview

The LTAH1070E 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 50m over single cost effective Cat5e/6 or cable at higher standard. Transmission distance up to 50m is a perfect solution for family application as well as CCTV monitoring. The LTAH1070E extender is 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



Quick Setup Guide

Step1: Begin with all input/output devices turned off with power cables removed.

Step2: Use a HDMI cable; connect the male end to video source, the female end to **"HDMI IN"** of LTAH1070E-TX. Use a Cat5e/6 cable; connect one end to RJ 45 connector of LTAH1070E-TX, the other end to RJ 45 connector of LTAH1070E-RX.

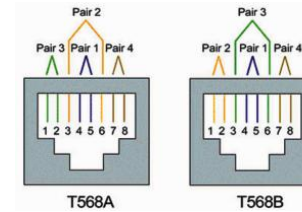
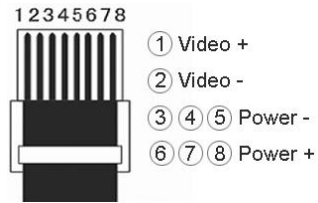
Step3: Use another HDMI cable; connect the male end to **"HDMI OUT"** of LTAH1070E-RX, the other end to display device.

Step4: Make sure the connections mentioned above are properly finished. Then connect LTAH1070E-TX and LTAH1070E-RX to DC+5V power supply. When the red power LED indicator turns on and display device works with good image, then whole connection is done successfully.

Caution:

1. The wiring must be away from any equipment with electromagnetic wave such as mobile phone, microwave, radio equipment, fluorescent lamp, power lines, etc.
2. This device is not network equipment, do not connect with network to avoid damage.

RJ 45 Define



EIA/TIA-568A Wiring Specifications

| Wire | Pin # | Configuration |
|--------------|-------|---------------|
| Green White | 1 | Video (+) |
| Green | 2 | Video (-) |
| Orange White | 3 | Power (-) |
| Blue | 4 | Power (-) |
| Blue White | 5 | Power (-) |
| Orange | 6 | Power (+) |
| Brown White | 7 | Power (+) |
| Brown | 8 | Power (+) |

EIA/TIA -568B Wiring Specifications

| Wire | Pin # | Configuration |
|--------------|-------|---------------|
| Orange White | 1 | Video (+) |
| Orange | 2 | Video (-) |
| Green White | 3 | Power (-) |
| Blue | 4 | Power (-) |
| Blue White | 5 | Power (-) |
| Green | 6 | Power (+) |
| Brown White | 7 | Power (+) |
| Brown | 8 | Power (+) |

Technical Specifications

| | |
|-----------------------|---|
| Product Name | HDMI Extender |
| Model | LTAH1070E |
| Version | HDMI1.3 HDCP1.2 |
| Resolution | 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@60Hz |
| Max Transmission | Transmission distance max up to 50m over Cat5e/6 or above |
| Power Adapter | DC5V/1A |
| Power Consumption | TX: ≤3W RX: ≤3W |
| Red Indicator | DC+5V power indicator |
| Green Indicator | Data signal indicator |
| ESD Protection | Electronics Touch Discharge: ±2KV Air Discharge: ±4KV Standard: IEC61000-4-2 |
| Operating Temperature | 0°C ~ 60°C |
| Humidity | 0 ~ 95°C |
| Dimension | 83X62X27mm |

Application

- Home Theater system
- Venue display system
- Media classroom system
- LCD and plasma flat panel multimedia advertising project
- Big screen LED curtain wall display project
- The large projection equipment display system
- The industrial automation and control system
- Audio/Video meeting system
- Security monitoring system
- Multimedia network education system
- Long-distance network server monitoring
- Central control system
- Military exercises command system

Application Diagram

