

Hunter HDMI Extender 50m with IR POE, HDMI Loopout 9434-HTV-50ETPoE USER MANUAL



Product Introduction

Hunter HDMI Extender over Single Cat5e/6 with IR extends high definition video and audio signals and IR, at a distance of up to 164ft/50m over a single Cat5e/6 cable. Features EQ management, supports Network cable length matching settings. With only one cost effective Cat5e/6 cable, high definition sources with HDMI outputs can be connected to high definition displays with HDMI inputs over long distances. Deep color video, DTS-HD or Dolby TrueHD audio is supported and compatible with the extender. In addition, the extender is also equipped with pass-through which allows for source control.

The extender includes two units: transmitting unit and receiving unit. The transmitting unit is used to capture the HDMI input with IR signals and carries the signals via one cost effective Cat5e/6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR control signals. The extender offers the most convenient solution for HDMI extension over a single Cat5e/6 with long distance capability.



Features

- Allows HDMI Audio/Video and IR signals to be transmitted over a single Cat5e/6 cable.
- Supports EQ management, network cable length matching settings.
- Support Power over cable function.
- Transmitters support 1xHDMI loop out, receiver support 2*HDMI out.
- Transmission Range: Extends 1080p resolution up to 164ft/50m over a single Cat5e or Cat6 cable.
- Works with HDMI and HDCP compliant devices
- Supports up to 1080p High Definition resolution.
- Compact design for an easy and flexible installation.

Specifications

Video Bandwidth
Video Support
Audio Support
Transmission Range
Input TMDS Signal
Input DDC Signal
ESD Protection

HDMI connector
RJ-45 connector
3.5mm connector

Single-link 165Mhz [4.95Gbps]
480i/480p/720p/1080i/1080p@60
Surround Sound (up to 7.1 ch) or stereo digital audio
HD [1080p 24-bit color] - up to 50m [164ft]
3.3 volts
5.0 volts/P-P
Human Body model:
+/- 8 kV (air-gap discharge)
+/- 4 kV (contact discharge)
Type A 19 pin female
WE/SS 8P8C
(TX and RX) IR Receiver/IR Blaster

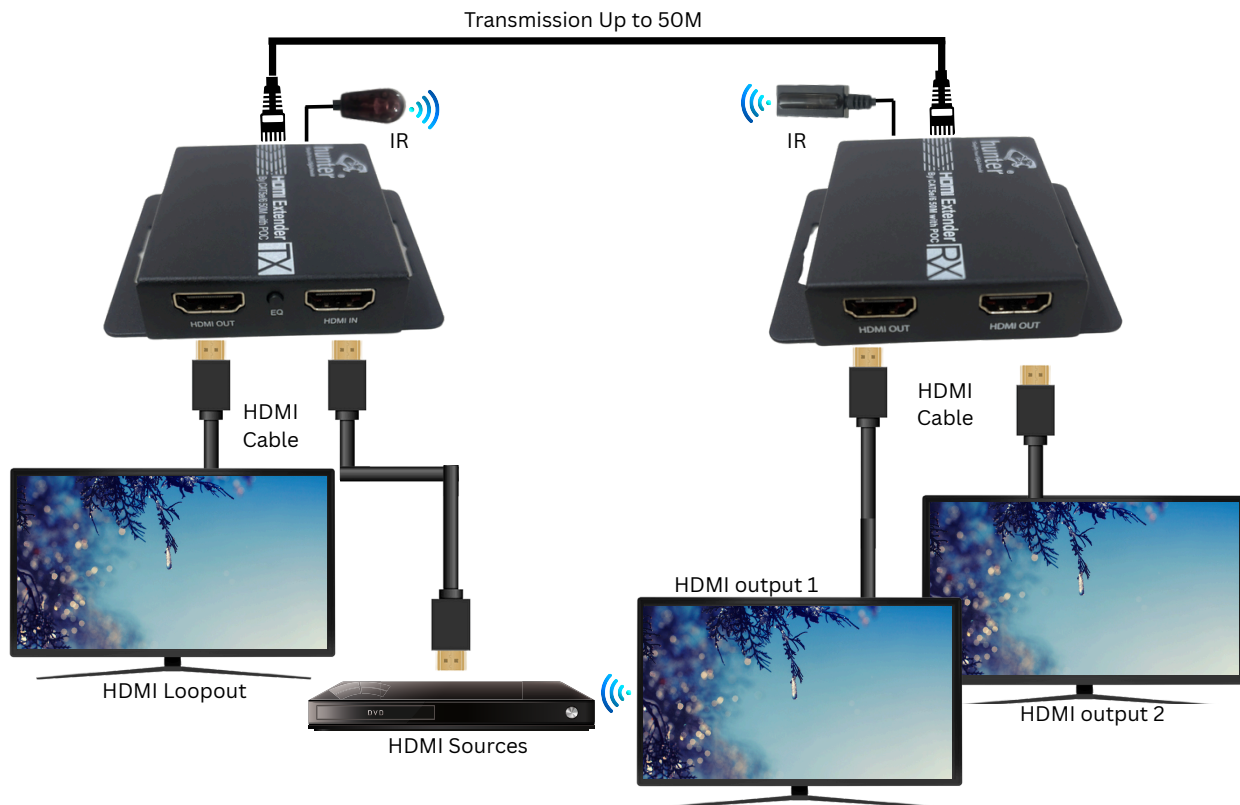
Mechanical Specs

Housing:
Power Supply
Power consumption
Operation temperature
Storage temperature
Relative humidity

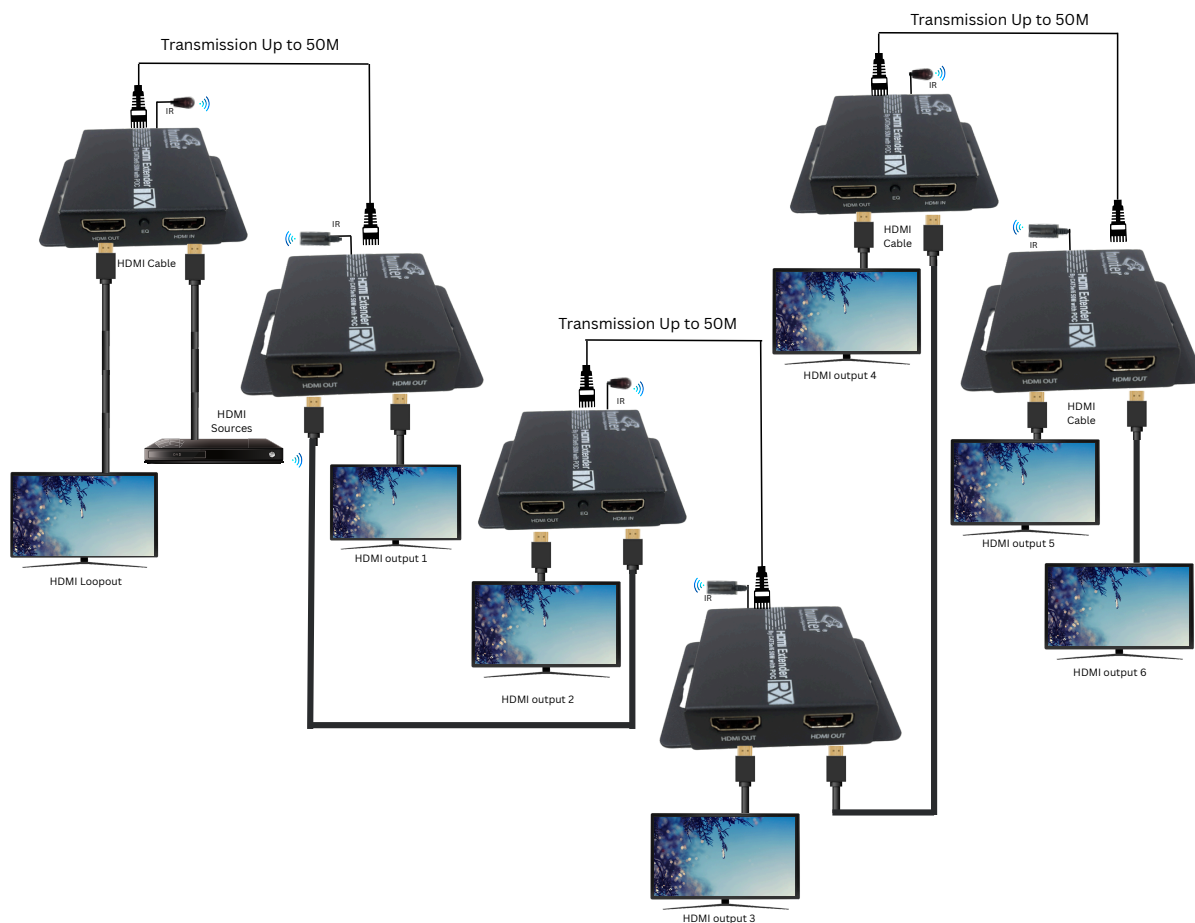
Metal enclosure
5VIA DC
1.5 watts (TX); 1.0 watts (RX)
32~104 °F
-4 ~140 °F
20~90% RH (no condensation)



Connection Diagram



Cascade Diagram



Panel Descriptions

Transmitting Unit



1. HDMI OUT: HDMI Loop out for Local Display cascading via additional HDMI loop out port
2. EQ: Network cable length matching settings.
3. HDMI IN: This slot is where you connect the HDMI output port of your source equipment such as DVD/Blu-ray players or Set-Top-Box with an HDMI cable.
4. IR OUT: Connect the IR Blaster cable included in the package for IR signal transmission. Place the IR blaster in direct line-of-sight of the equipment to be controlled.
5. Power LED: This LED illuminates when the device is connected with power supply.
6. CAT OUT: Connect the CAT output of the transmitter with the CAT input of the receiver with CAT5E/6 cable.
7. Link LED: This LED will illuminate when the device is connected to HDMI source.
8. DC 5V: Connect from 5V DC power supply into the unit and connect the adaptor to an AC outlet.

Receiver Unit



- 1&2. HDMI out: Two slots are to connect the HDMI input port of your display such as an HDTV.
3. IR IN: Connect to the IR Receiver for IR signal reception. Ensure that remote being used is within the direct line-of-sight of the IR receiver.
4. Power LED: This LED illuminates when the device is connected with power supply.
5. LAN IN: Connect the CAT input of the receiver with the CAT output of the transmitter with CAT5E/6 cable.
6. Link LED: This LED will illuminate when the device is connected to HDMI source.



1. Connect a source such as a Blu-Ray Player, game console, A/V Receiver, Cable or Satellite Receiver, etc. to the HDMI input on the Transmitting unit.
2. Connect a display such as an HDTV or HD Projector to the HDMI output on the Transmitting and Receiving unit.
3. Connect a single Category 5e/6 up to 164ft/50m to the output of the Transmitting unit, and the other end to the input of the Receiving unit.
4. For power, plug the Transmitting unit with the included power supply. At this point the display connected should display the source signal connected to the extender set. If no signal is being displayed, press the transmitter EQ button. A 24 Hz vertical refresh rate may work better than 60 Hz or higher. Use the source remote at the receiver emitter to test IR functionality. If the IR remote function is not responding, check the emitters to ensure they are placed correctly and are plugged into the correct IR jacks on the Extender set receiving and transmitting units.



IR BLASTER (TX)

To control the source: Plug IR Blaster into IR TX port of transmitter unit; place blaster in front of the IR eye of the source.



IR RECEIVER (RX)

To control the source: Plug IR Receiver into IR RX port of receiver unit; place receiver at or near display.



Warranty 1 Year



If your product does not work properly because of a defect in materials or workmanship, our Company (warrantor) will, for the length of the period indicated as 1 Years, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.