

# User Manual

## HD-383-V4

### HDMI over IP Extender Set



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Version: HD-383-V4\_2022V1.0


## Preface

Read this user manual carefully before using the product. Pictures are shown in this manual for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local dealer or distributor for maintenance assistance. The functions described in this version were updated till June, 2022. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

**All product function is valid till 2022-06-01.**

## Trademarks

Product model and logo  are trademarks of U.T.E. electronic GmbH & Co. KG. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent.

## FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



## **SAFETY PRECAUTIONS**

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the specifications of product may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, and please treat them as normal electrical wastes.
- Do not mix up the HDMI Extender sender and HDMI Extender receiver, and the IR blaster an IR Receiver
- Do not plug-in/ out the cables, when it is in using.
- Use DC 5V power supply only. Make sure the specification matched if using 3<sup>rd</sup> party DC adapters

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## 1. Introduction

### 1.1 Product Introduction to HD-383-V4

Thanks for choosing the HDMI over IP Extender Set HD-383-V4 which is designed to transmit HDMI Video/ Audio up to 120m (394ft) with single network cable.

The extender set HD-383-V4 includes a transmitter unit and a receiver unit and supports IR signal transmission (IR passback), to control media playback of the signal source device at the display location.

### 1.2 Package List

- 1x HD-383T-V4 (HDMI Transmitter, local unit)
- 1x HD-383R-V4 (HDMI Receiver, remote unit)
- 2x Power Adapter (5V DC 1A)
- 1x IR Blaster extension cable
- 1x IR Receiver extension cable
- 1x User Manual



**Note:** Please confirm if the product and the accessories are all included, if not, please contact with your dealer. Please contact your dealer immediately if any damage or defect in the components is found.

## 2. Panel Description

### 2.1 HDMI Extender TX (Sender)

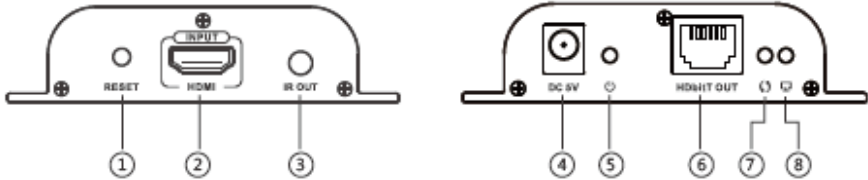



Figure 2-1 HD-383T-V4 (HDMI Transmitter)

No.	Name
①	Reset
②	HDMI signal input
③	IR signal output to connect with IR blaster extension cable
④	Power input (DC 5V)
⑤	Power light
⑥	RJ45 signal output
⑦	Data transmission light
⑧	Network link light

 **Note:** Pictures shown in this manual are only for reference.

## 2.2 HDMI Extender RX (Receiver)

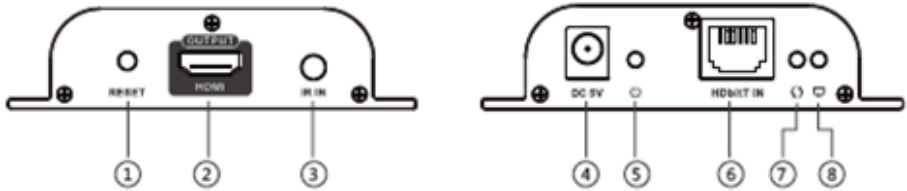



Figure 2-2 HD-383R-V4 (HDMI Receiver)

No.	Name
⑨	Reset
⑩	HDMI signal output
⑪	IR signal output to connect with IR receiver extension cable
⑫	Power input (DC 5V)
⑬	Power light
⑭	RJ45 signal input
⑮	Data transmission light
⑯	Network link light

 **Note:** Pictures shown in this manual are only for reference.

## **3. System Connection**

### **3.1 Usage Precautions**

- 1) Make sure all components and accessories included before installation.
- 2) System should be installed in a clean environment with proper temperature and humidity.
- 3) All of the power switches, plugs, sockets, and power cords should be insulated and safe.
- 4) All devices should be connected before power on.  
Do not plug-in/ out the cables, when it is in using!
- 5) Use shielded straight-thru CAT5/ CAT5e/ CAT6 cable with IEEE T568B terminations for good transmission effect.

### **3.2 Installation Requirements**

1. HDMI source - device with HDMI OUTPUT interface (computer graphic card, DVD, PS3, STB, HD monitoring equipment, etc.
2. Display devices with HDMI INPUT port like SDTV, HDTV, projector
3. Network cables:  
UTP/STP Cat5e/6 network cables, which following the standard of IEEE-568B.  
Transmission length: CAT5 80m/ CAT5e 100m/ CAT6 120m

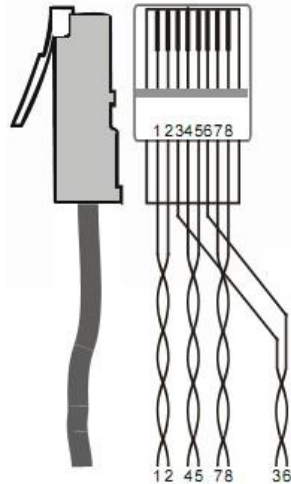


## 4. Connection & Installation

### 4.1 Twisted Pair Cable Connection

The twisted pair/ network cable used in this extender MUST be a straight-through cable comply with the IEEE 568B standard.

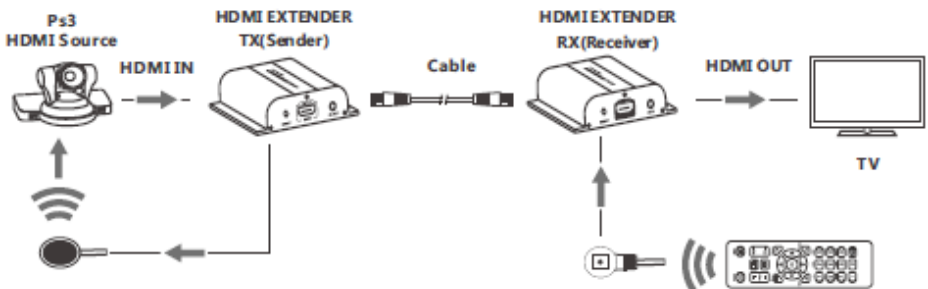
TIA/EIA T568B	
Pin	Cable color
1	orange white
2	orange
3	green white
4	blue
5	blue white
6	green
7	brown white
8	brown



### 4.2 Connections

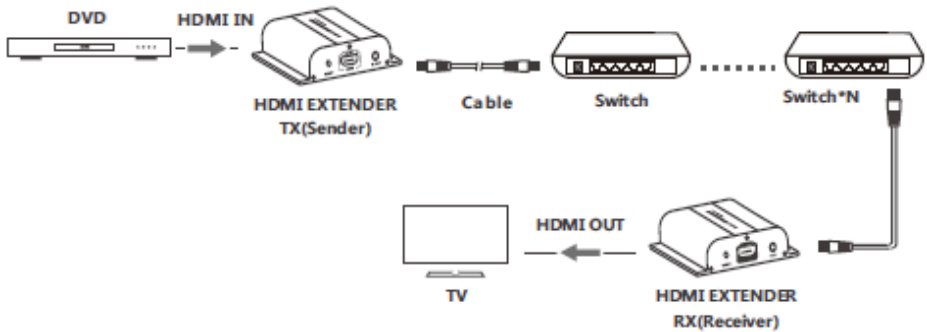
#### 4.2.1 Point to Point connection

Up to 120 meters transmission distance over single CAT6.



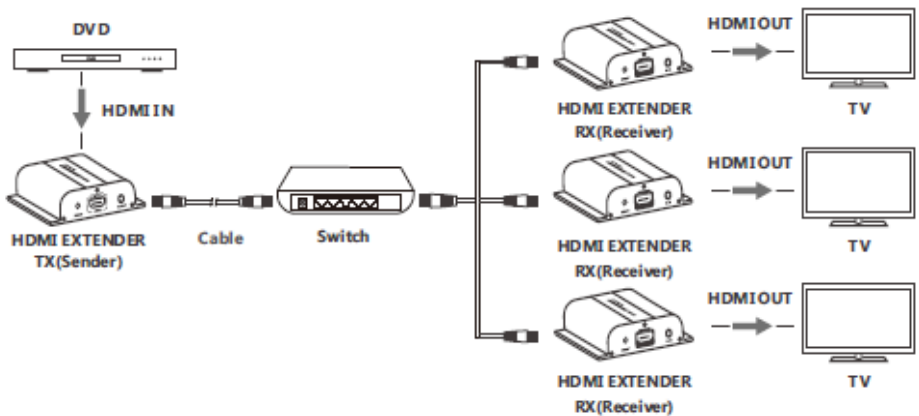
### 4.2.2 Cascade Connection


By using network switches to realize unlimited extension.



### 4.2.3 One-to-many Connection

By using network router/ switch, one sender to several receivers, realize extender & splitter function



 **Note:** Gigabit (1000Mbps) switcher is recommended in LAN transmission

### 4.3 IR User Guide

- 1) IR blaster extension cable should plug-in the IR-out port of TX (Sender) of HDMI extender, and the IR receiver extension cable should plug-in the IR-in port of the RX (Receiver) of HDMI extender.
- 2) The emitter of IR blaster should as close as possible to the IR receiver of the signal source device.
- 3) Using the IR remote controller of the signal source device towards the IR receiver (connected to the RX of HDMI extender), to remote control source media playback.

## 5. Specification

Items	Specifications
HDMI Signal	HDMI1.3 Compatible with HDCP1.4
HDMI Transmission	HDMI over CAT
Supports resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
Network Cable	UTP/STP Cat5/ 5e/ 6
Transmission distance	Up to 120 meters transmission distance for 1080p 60Hz Full HD over single CAT6
IR Signal	Supports 20~60kHz IR devices
Working Temperature	0°C ~ 60 °C
Power Supply	DC5V /1A
Power Consumption	TX : 3.5W ; RX : 3W
Protection	Lightning protection, Surge protection, ESD protection
Dimensions	96.8(W) x 94(D) x 23.7(H)mm *2pcs
Weight	TX:145g RX: 142g
Color	Black

## **6. FAQ**

Q: TV display "Waiting for connection"?

A: Please check if the power supply of TX (Sender) and switcher (if used) is connected, and make sure connecting cable is firmly;

Q: TV display "Please check the TX input signal"?

A: 1) please check if there is a HDMI signal input of TX;

2) Try to connect the signal source directly to display device to see if there is signal output from source device or change the signal source, HDMI wire and try again.

Q: Display not fluent, not stable?

A: 1) Please check the cable length between the TX to switch, the switch to the RX and the connection between each level is within the required range;

2) Click the "reset" button on the TX/ RX front panel, reset and reconnect.

## 7. Customer/ After-sales Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

If there appear some problems when running the HD-383-V4 please check and deal with the problems reference to this user manual. Any transport costs are borne by the users during the warranty.

**1) Product Limited Warranty:** We warrants that its products will be free from defects in materials and workmanship for two years, which starts from the first day the product leaves warehouse (check the SN mark on the product). Proof of purchase in the form of a bill of sale or receipted invoice must be presented to obtain warranty service.

**2) What the warranty does not cover:**

- Warranty expiration.
- Factory applied serial number has been altered or removed from the product.
- Damage, deterioration or malfunction caused by:
  - Normal wear and tear
  - Use of supplies or parts not meeting our specifications
  - No certificate or invoice as the proof of warranty.
  - The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
  - Damage caused by force majeure.
  - Servicing not authorized by distributor.
  - Other causes which does not relate to a product defect
- Delivery, installation or labor charges for installation or setup of the product

**3) Technical Support:** Email to our after-sales department or make a call, please inform us the following information about your cases.

- Product version and name.
- Detailed failure situations.
- The formation of the cases.

**Remark:** For further assistance or solutions, please contact your local dealer or our customer support (info@ute.de)







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