



---

HDMI® EXTENDER over single CAT6 with IR

SKU: 31001075

User's Manual

*Thank you for purchasing HDMI® Extender over single CAT6. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.*

## **INTRODUCTION**

The HDMI Extender over single CAT6 is a tool for extending your HDMI signal over long distances to a compatible display. Instead of using expensive HDMI cables, your existing CAT5E/6 cables/sockets can be utilized to perform advanced functions like transferring 12-bit per channel Deep Color and digital audio, with a bandwidth up to 225MHz. The HDMI Extender also support IR re-transmitting, so you can control the source which is 328 feet (100 meters) away using this HDMI Extender.

## **FEATURES**

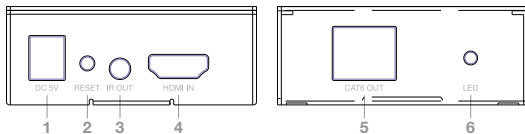
1. HDMI 1.3, HDCP 1.1 and DVI1.1 compliant
2. Supports 12-bits/channel Deep Color
3. Support IR re-transmitting
4. CAT5E/6 cable for data/DDC transmission
5. Equalizes and recovers incoming TMDS data
6. IR blaster transmits IR signals from the remote location to the HDMI device

## PACKAGE CONTENTS

1x HDMI Extender Transmitter  
1x HDMI Extender Receiver  
1x IR Transmitter  
1x IR Receiver  
2x 5V DC power adapters  
User's Manual

## PRODUCT OVERVIEW

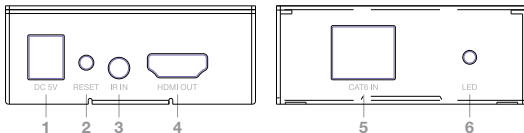
Transmitter



1. DC 5V - Plug in the included power adapter
2. Reset - Press and hold for 10 seconds to perform Factory reset
3. IR Out - Plug the IR transmitter into this jack

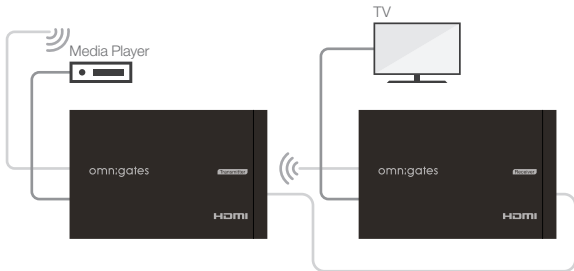
4. HDMI Input - Connect to HDMI device
5. CAT6 Out - Connect the Transmitter and the Receiver with CAT5E/6 cable
6. LED Indicator - Illuminates when power is applied

## Receiver



1. DC 5V - Plug included power adapter in
2. Reset - Press and hold for 10 seconds to perform Factory reset
3. IR In- Plug the IR receiver into this jack
4. HDMI Out - Connect to TV or monitor
5. CAT6 In - Connect the Transmitter and the Receiver with CAT5E/6 cable
6. LED Indicator - Illuminates when power is applied

## CONNECTION DIAGRAM



## SPECIFICATIONS

Frequency Bandwidth	: 2.25Gbps
Input Ports	: 1 HDMI port / 1 CAT6
Output Ports	: 1 HDMI port / 1 CAT6
ESD Protection	: $\pm 8\text{kV}$ (Air-gap discharge) / $\pm 4\text{kV}$ (Contact discharge)
Dimensions	: 2.6" x 3.9" x 1.0"
Operation Temperature	: 32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	: -4°F ~ 140°F (-20°C ~ 60°C)
Relative Humidity	: 20 ~ 90% RH (Non-condensing)

## REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Omnigates' authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This Equipment 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 residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Radio Notice for FCC

#### Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Omnigates, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*HDMI®, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.*