

HDBaseT HDMI over Single Cat5e/6/7 Wall Plate Transmitter/Receiver - # 15123/15124



Operation Manual

Introduction

The device that can make your home or office more efficient, this unit of HDMI over Single CAT5e/6 can transmit and receive uncompressed audio/video, control through the built-in RS-232 and IR ports and Power on Ethernet(POE) over 100M with all plate design. Hence, if you want to make your home or office more efficient, get the HDMI & IR over single CAT5e/CAT6 and prepare to be amazed.

Applications

- Household entertainment sharing and control
- Lecture room display and control
- Showroom display and control
- Meeting room presentation and control
- Classroom display and control

Features

- HDMI 1.4 with 3D, 4k x 2k support, HDCP & DVI Compliant
- Supports HDCP repeater and CEC bypass
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 or CAT5e cable
- Uncompressed video 1080p, 60Hz, 36bits
- Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- 4Play™ convergence: HDMI, POE & Control (IR & RS232)
- Wall plate design and Installation Friendly

Note: This system was tested with CAT6/23AWG cable, so if using cables of another type, results may vary

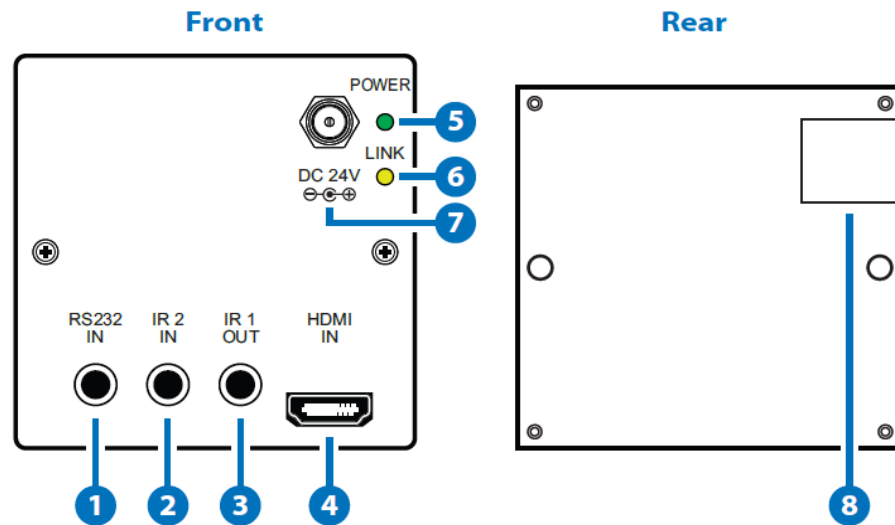
System

Requirements

Input HDMI source equipment such as DVD/Blue-Ray player and output display with HDMI input jack.

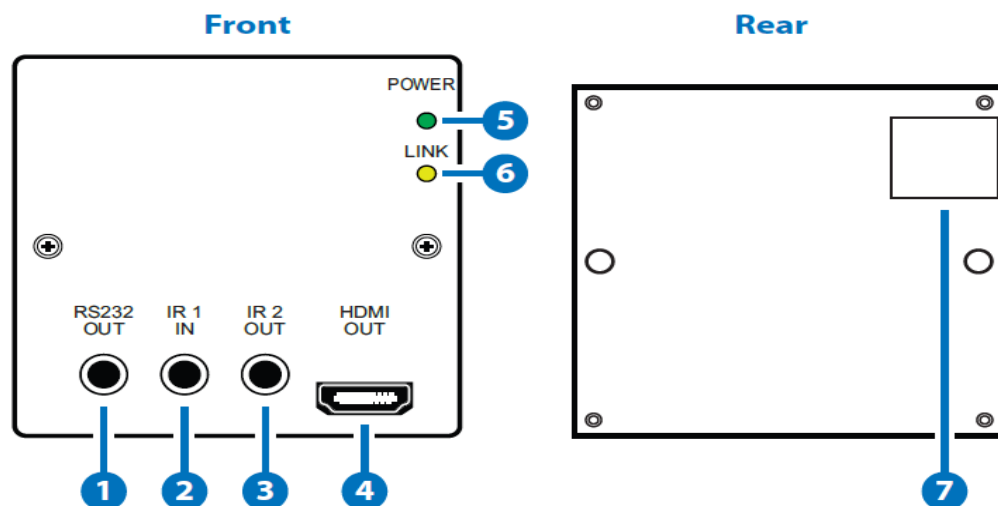
Operation Controls and Functions

Transmitter



- 1. RS-232 IN:** This slot is to connect with 3.5Ø phone jack RS-232 cable from PC/NB equipment for sending RS-232 commands.
- 2. IR 2 IN:** This slot is to connect with the IR receiver cable included in the package for IR signal receiving.
- 3. IR 1 OUT:** This slot is to connect with the IR blaster cable included in the package for IR signal transmitting.
- 4. HDMI IN:** This slot is to connect with HDMI source equipment such as DVD/Blu-ray player.
- 5. POWER LED:** This green LED will illuminate when the device is attached with power supply.
- 6. LINK LED:** This yellow LED will illuminate when the both CAT5e/6 input and output signal is connected.
- 7. DC 24V:** This slot is where you plug the 24V DC power supply into the unit and connect the adaptor to an AC outlet.
- 8. CAT5e/6 Out:** Connect to the receiver unit with a single CAT5e/6 cable for transmission of all data signals.

Receiver



- 1. RS-232 OUT:** This slot is to connect with 3.5Ø phone jack RS-232 cable from device equipment for receiving RS-232 commands.
- 2. IR 1 IN:** This slot is to connect with the IR receiver cable included in the package for IR signal receiving.
- 3. IR 2 OUT:** This slot is to connect with the IR blaster cable included in the package for IR signal transmitting.
- 4. HDMI OUT:** This slot is to connect with HDMI TV/monitor for display HDMI input source signal.
- 5. Power LED:** This green LED will illuminate when the device is connected to a power supply.
- 6. LINK LED:** This yellow LED will illuminate when the both CAT5e/6 input and output signal is connected.
- 7. CAT5e/6 In:** This slot is to be connected with a single CAT5e/6 cable from transmitter side for data transmitting.

D-Sub 9 Pin Definitions

PIN	DEFINE TX/RX
1	N/C
2	TxD/RxD
3	RxD/TxD
4	N/C
5	GND
6	N/C
7	N/C
8	N/C
9	N/C

Specifications

Transmitter	
Input	1×HDMI, 1×IR Extender, 1×RS-232
Output	1×CAT5e/6, 1×IR Blaster
Receiver	
Input	1×CAT5e/6, 1×IR Extender
Output	1×HDMI, 1×RS-232, 1×IR Blaster
Power Supply	24V / 1.25A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human-body Model: ±8kV (air-gap discharge) ±4kV (contact discharge)
IR Frequency	30~50 kHz
Dimensions	(mm) 87(W) 97x (D) x 31(H)/Tx 87(W) 97x (D) x 29(H)/Rx
Weight (g)	200
Chassis Material	Aluminum
Silkscreen Color	Black
Power Consumption	TX: 3W RX: 6W
Operating Temperature	0 °C~40 °C/32 °F~104 °F
Storage Temperature	-20 °C ~ 60 °C/-4 °F~140 °F
Relative Humidity	20~90 % RH (non-condensing)

Connection Diagram

