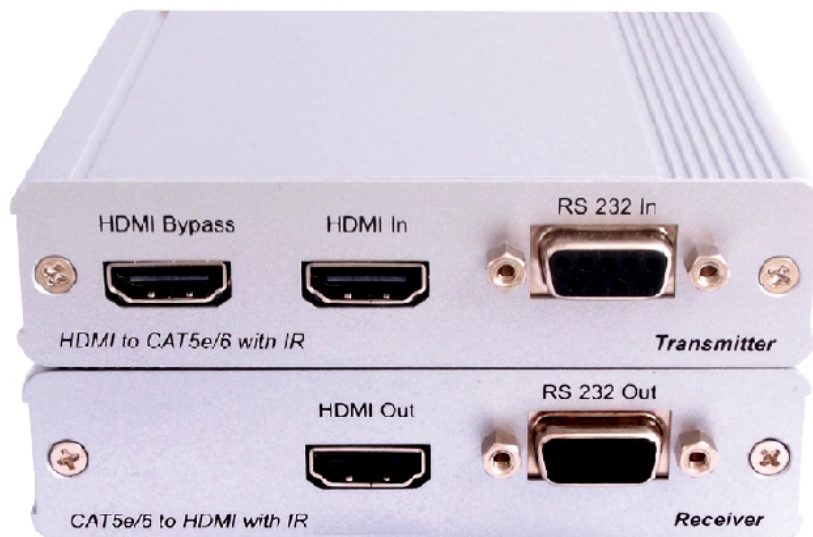


# HDMI v1.4 Over Single CAT5e/CAT6 - ID# 872



## Operation Manual

## Introduction

The device that can make your home or office more efficient, this unit of HDMI with RS-232 over Single CAT5e/CAT6 can transmit and receive uncompressed audio/video, control through the built-in RS-232 and IR ports over 100M. Further, with a HDMI bypass design it allows an instant display at the control point. Hence, if you want to make your home or office more efficient, get the HDMI over Single CAT5e/CAT6 and prepare to be amazed.

## Features

- HDMI 1.4 with 3D, 4k and 2k and 2k support, HDCP & DVI Compliant
- Supports HDCP repeater and CEC function
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 cable or 80M/262ft with CAT5e cable
- Uncompressed video 1080p, 60Hz, 48bits
- Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- Various controls over HDMI CEC, RS232 & IR
- 3Play™ convergence: HDMI & Control (IR & RS232)
- Installation Friendly

## Applications

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

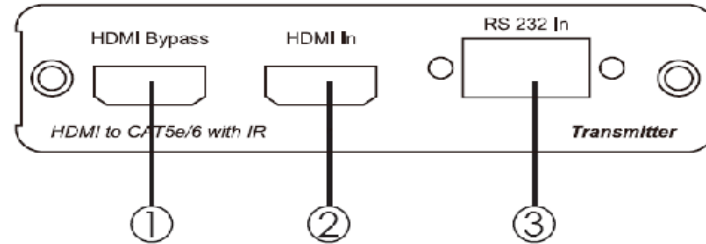
## System Requirements

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

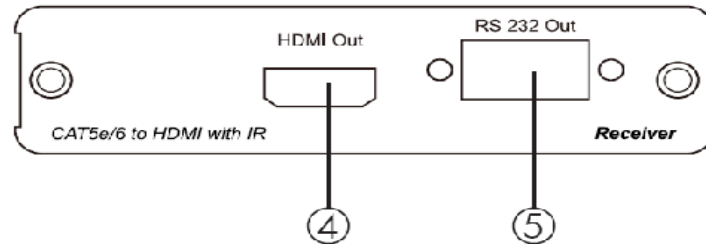
## Operation Controls and Functions

### Front Panel

#### Transmitter



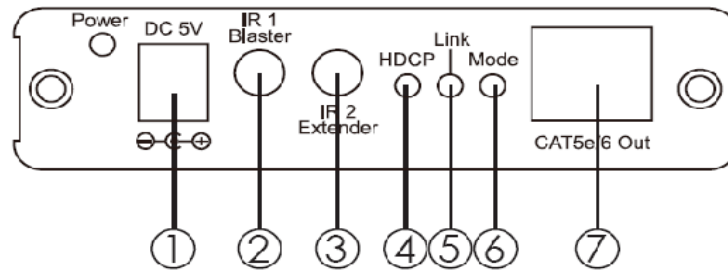
#### Receiver



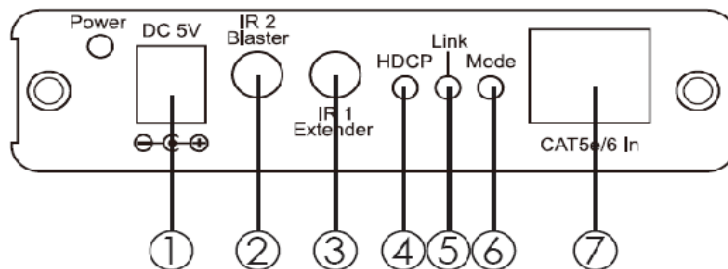
- 1. HDMI Bypass:** This slot is to connect with HDMI TV/monitor for instant display HDMI input source signal. When the HDMI bypass is connected, all signals will not transmit to the receiver side. Therefore, unplug this slot after confirm image display.
- 2. HDMI In:** This slot is to connect with HDMI source equipment such as DVD/Blue-Ray player.
- 3. RS-232 In:** This slot is to connect with PC/laptop with D-Sub 9 pin cable for RS-232 control system.
- 4. HDMI Out:** This slot is to connect with HDMI TV/monitor for display HDMI input source signal.
- 5. RS-232 Out:** This slot is to connect to the device that wishes to be controlled with D-Sub 9 pin cable for RS-232 signal to be execute.

## Rear Panel

### Transmitter



### Receiver

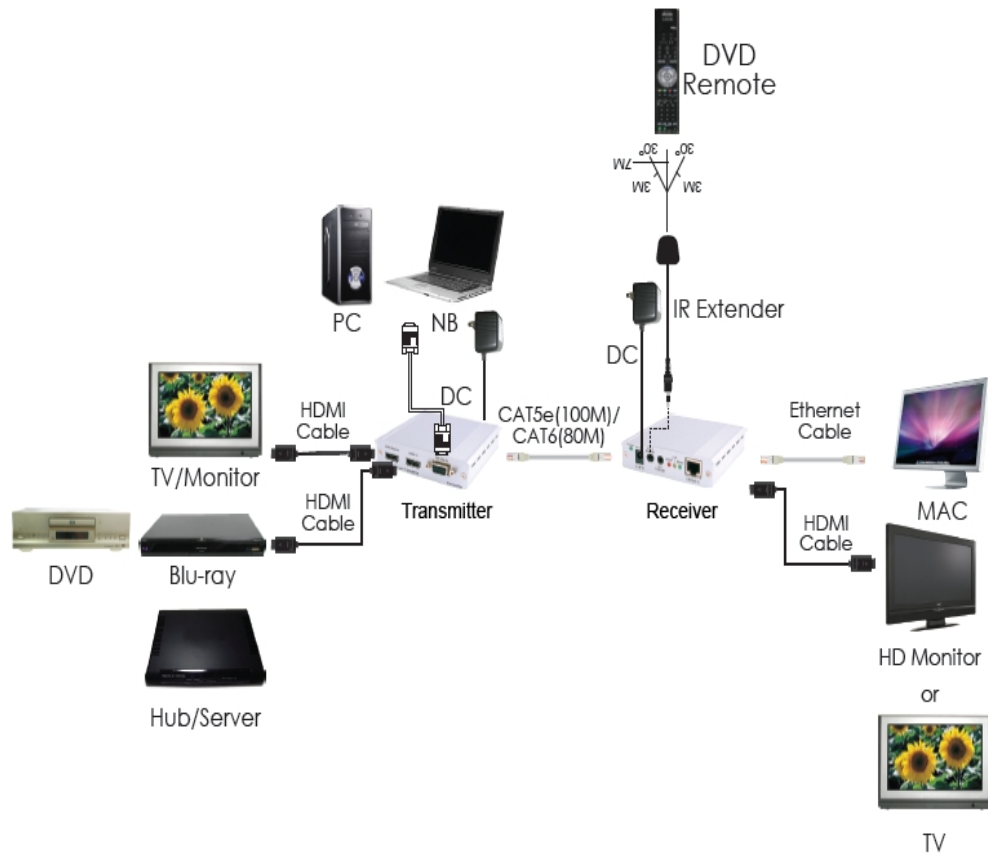


- 1. DC 5V:** These slots are where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.
- 2. IR 1/2 Blaster:** These slots are to connect with the IR blaster cables included in the package for IR signal transmitting.
- 3. IR 1/2 Extender:** These slots are to connect with the IR receiver cables included in the package for IR signal receiving.
- 4. HDCP LED:** This red LED will illuminate in when the input source signal contains HDCP data.
- 5. Link LED:** This yellow LED will illuminate when the both input and output signal is connected.
- 6. Mode LED:** This green LED will blinking when the device is processing data.
- 7. CAT5e/6 Out/IN:** These slots are to be connected with a single CAT5e/6 cable for data transmitting.

## D-Sub 9 Pin Definitions

Pin	Define
1	N/C
2	RxD
3	TxD
4	N/C
5	GND
6	N/C
7	N/C
8	N/C
9	N/C

## Connection



## Specifications

### Transmitter

Input

1 x HDMI , 1 x HDMI Bypass, 1 x RS-232,  
1 x IR Extender, 1 x IR Blaster

Output

1 x CAT5e/6

### Receiver

Input

1 x CAT5e/6, 1 x IR Extender, 1 x IR Blaster

Output

1 x HDMI, 1 x RS-232

ESD Protection

Human Body Model:

± 8kV (air-gap discharge)

± 4kV (contact discharge)

Operating Temperature

0°C ~ 40°C/ 32° ~104°

Storage Temperature

-20°C ~ 60°C/ -4° ~140°

Relative Humidity

20~90% RH (non-condensing)