CH-507RXWP

HDMI over Single CAT5e/CAT6

Operation Manual

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	14/02/12	Preliminary Release

CONTENTS

1. INTRODUCTION

The device that can make your home or office more efficient, this unit of HDMI over Single CAT5e/6 can receive uncompressed audio/video, RS-232 and IR control ports, Power on Ethernet(PoE) and Ethernet over 100M with wall plate design. A trueHDBaseT 5Play solution. Hence, if you want to make your home or office more efficient, get the HDMI over single CAT5e/CAT6 receiver and prepare to be amazed.

2. APPLICATIONS

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

3. PACKAGE CONTENTS

- HDMI over Single CAT5e/CAT6 Receiver x 1
- IR Blaster x 1
- IR Receiver x 1
- Operation Manual

4. SYSTEM REQUIREMENTS

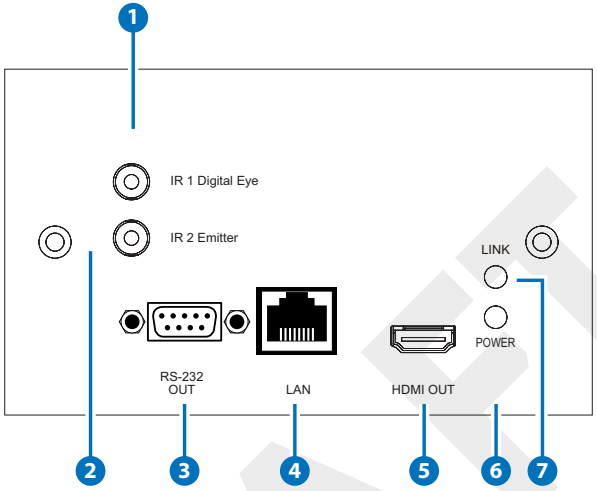
Input HDMI overCAT5e/6 transmitter with signal and output display with HDMI input jack.

5. 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
- 5Play™ convergence: HDMI, POE, Control (IR & RS232) & LAN
- Wall plate design and Installation Friendly

Note: *This system was tested with CAT6/23AWG and CAT5e/24AWG cable, so if using cables of another type, results may vary.*

6. OPERATION CONTROLS AND FUNCTIONS



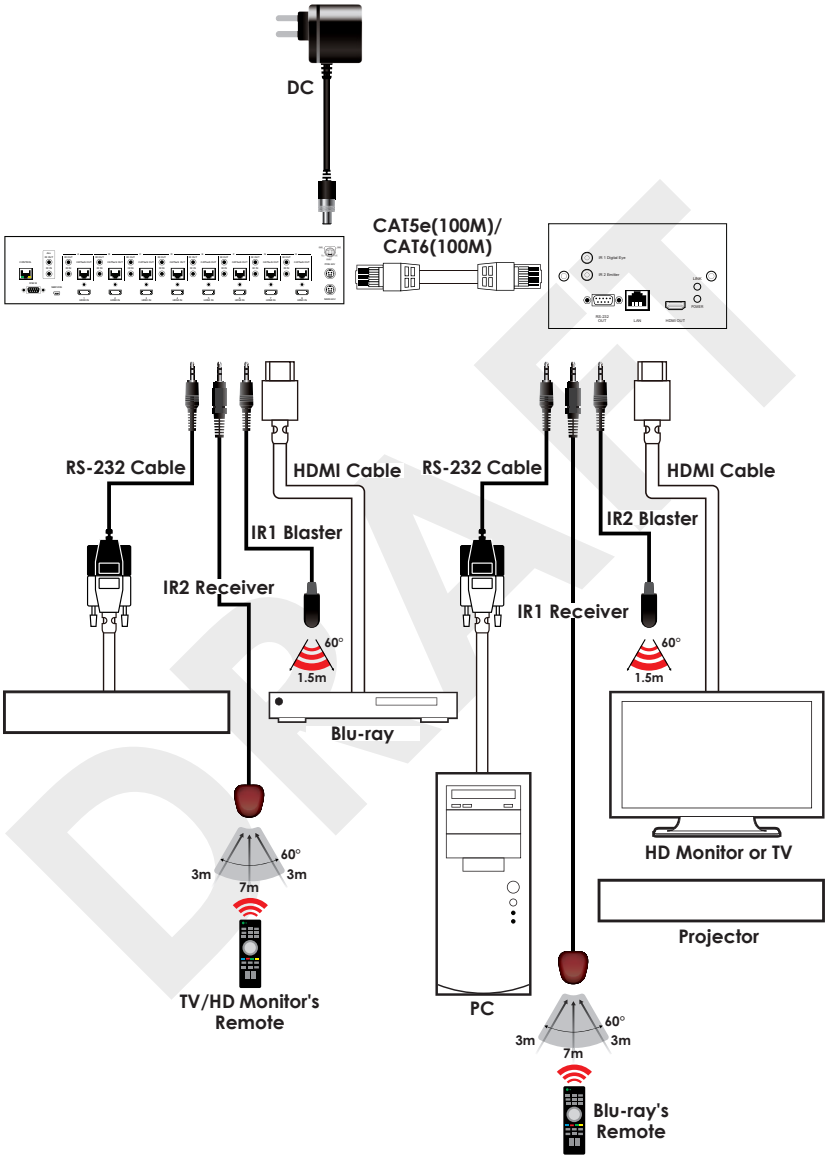
1. **IR 1 Digital Eye:** This slot is to connect with the IR receiver cable included in the package for IR signal receiving.
2. **IR 2 Emitter:** This slot is to connect with the IR blaster cableincluded in the package for IR signal transmitting.
3. **RS-232 OUT:** This slot is to connect with D-Sub 9-pin cable from device equipment for receiving RS-232 commands.
4. **LAN:** Connect to an active network for LAN serving and Tlenet/ Web GUI control.

   When the transmitter or any compatible LAN equipped receivers are connected to a network, this allows the network access (including internet access if available) to be shared between the transmitter and all connected receivers. Connect any Ethernet equipped device e.g. a Smart TV or games console to the LAN port of a receiver for that device to share the network/internet access.
5. **HDMI OUT:** This slot is to connect with HDMI TV/monitor for display HDMI input source signal.
6. **Power LED:** This green LED will illuminate when the device is connected to a power supply.
7. **LINK LED:** This yellow LED will illuminate when the both CAT5e/6 input and output signal is connected.

7. 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

8. CONNECTION DIAGRAM



9. SPECIFICATIONS

Input	1×CAT5e/6, 1×IR Extender, 1xLAN
Output	1×HDMI, 1×RS-232, 1×IR Blaster
ESD Protection	Human-body Model: ±8kV (air-gap discharge) ±4kV (contact discharge)
IR Frequency	30~50 kHz
Dimensions (mm)	146(W) x 86(D) x 48.5(H)
Weight (g)	156
Chassis Material	Plastic
Silkscreen Color	White
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)

10. ACRONYMS

ACRONYM	COMPLETE TERM
CAT5e	Category 5 Cable
CAT6	Category 6 Cable
CEC	Consumer Electronics Control
DVI	Digital Visual Interface
HDCP	High-bandwidth Digital Content Protection
HDMI	High Definition Multimedia Interface
IR	Infrared

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