

HDMI-CATSPU-X

HDBitT 1x4 / 1x8 HDMI Extender Splitter Over CAT5/5e/6

INSTRUCTION MANUAL

HDMI-CATSPU-4



HDMI-CATSPU-8



RECEIVER





SAFETY INFORMATION



1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the "ON" position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the equipment.
 - C. The equipment has been exposed to rain.
 - D. The equipment does not appear to operate normally, or exhibits a marked change in performance.
 - E. The equipment has been dropped, or the enclosure damaged.

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DEAR CUSTOMER

Thank you for purchasing this product. 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-CATSPU-X series combine the extender and splitter functions to split (1) HDMI signal to (4) or (8) identical HDMI signals via a network cable. These extenders work with (4) or (8) receivers to transmit the HDMI signals up to ~394 ft/120M.

The IR signal transmission controls the source device operation for long distances and it is widely applied in HD audio visual display rooms, exhibition centers and digital monitoring systems. These products have a 3 year warranty.

PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- HDMI-CATSPU-4 HDMI Extender Splitter
- (4) IR Blaster Extension Cables
- (5) DC5V/2A power adapters
- Users Guide

- HDMI-CATSPU-8 HDMI Extender Splitter
- (8) IR Blaster Extension Cables
- (9) DC5V/2A power adapters
- Users Guide

INSTALLATION REQUIREMENT

- HDMI source device (computer graphics card, DVD, PS3, HD monitoring equipment etc.)
- HDMI display devices such as a SDTV, HDTV or a projector with a HDMI port
- HDMI extender RX which supports HDBiT transport protocol
- UTP/STP CAT5/5e/6 cable, following IEEE-568B standards
- Network cable length supported between connections:
 - CAT5 ~262 ft/80M
 - CAT5E ~328 ft/100M
 - CAT6 ~394 ft/120M

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.

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FEATURES

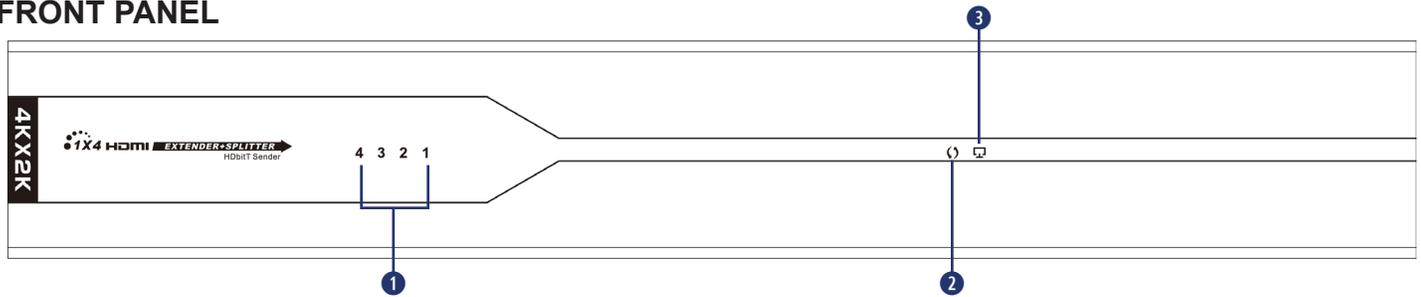
- Supports (1) HDMI Input to (4) or (8) HDbiT outputs
- Up to ~394 ft/120M transmission distance over a single CAT6 cable (high quality cable can reach ~492 ft/150M)
- Compatible with a receiver devices which support HDbiT transport protocol
- HDCP Compatible

SPECIFICATIONS

- **HDMI Signal:** Compatible with HDCP
- **Transport Protocol:** HDbiT
- **Supported Resolutions:** 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
4K2K@24/25/30Hz
- **Transmit Distance:** Up to ~394 ft/120M transmission distance for 4K2K@24/25/30Hz ultra HD over a single CAT6 cable
- **IR Signal:** Supports 20~60KHz IR devices
- **Input:** (1) HDMI
- **Outputs:** (4) or (8) RJ-45
- **Working Temperature:** 32°F-140°F (0°C-60°C)
- **Power Supply:** DC5V/2A
- **Power Consumption:** <10W
- **Dimensions (WxDxH):** 11.3 x 3.9 x 1.75 in (288x98x44.4mm)
- **Weight:** 2.2 lb/1000g
- **Color:** Black

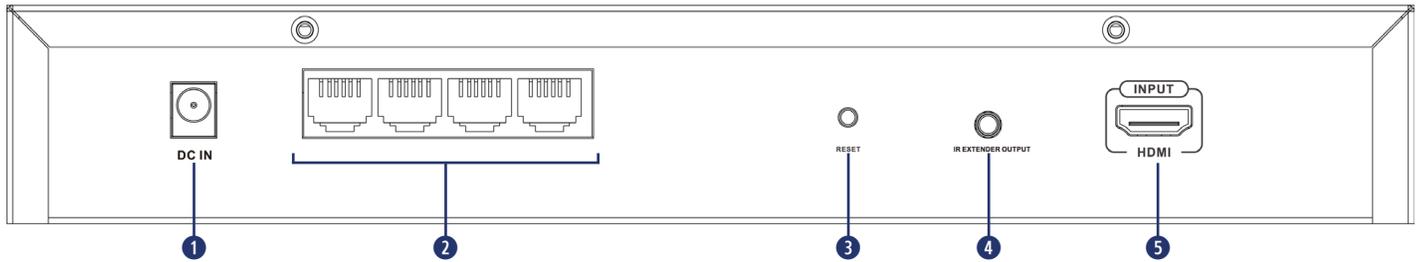
HDMI-CATSPU-4

FRONT PANEL



- ① SIGNAL LINK LED
- ② DATA TRANSMISSION INDICATOR
- ③ CONNECTION INDICATOR

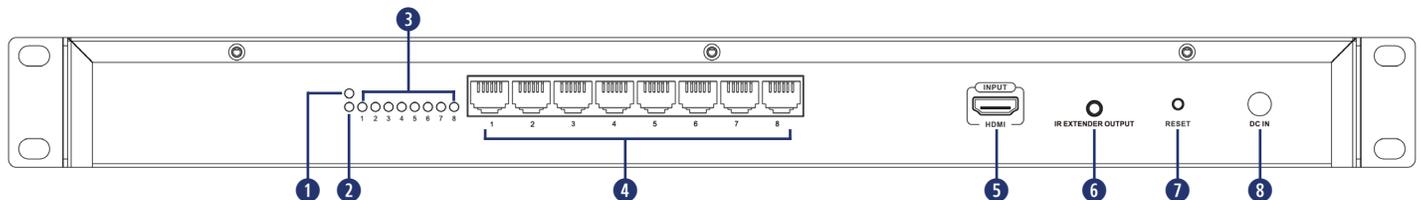
BACK PANEL



- ① POWER INPUT (DC5V)
- ② RJ-45 OUTPUT
- ③ RESET BUTTON
- ④ IR BLASTER EXTENSION PORT
- ⑤ HDMI INPUT

HDMI-CATSPU-8

BACK PANEL



- ① POWER INDICATOR
- ② CONNECTION INDICATOR
- ③ SIGNAL LINK LED
- ④ RJ-45 OUTPUT
- ⑤ HDMI INPUT
- ⑥ IR BLASTER EXTENSION PORT
- ⑦ RESET BUTTON
- ⑧ POWER INPUT (DC12V)

APPLICATION EXAMPLE

NETWORK CABLE

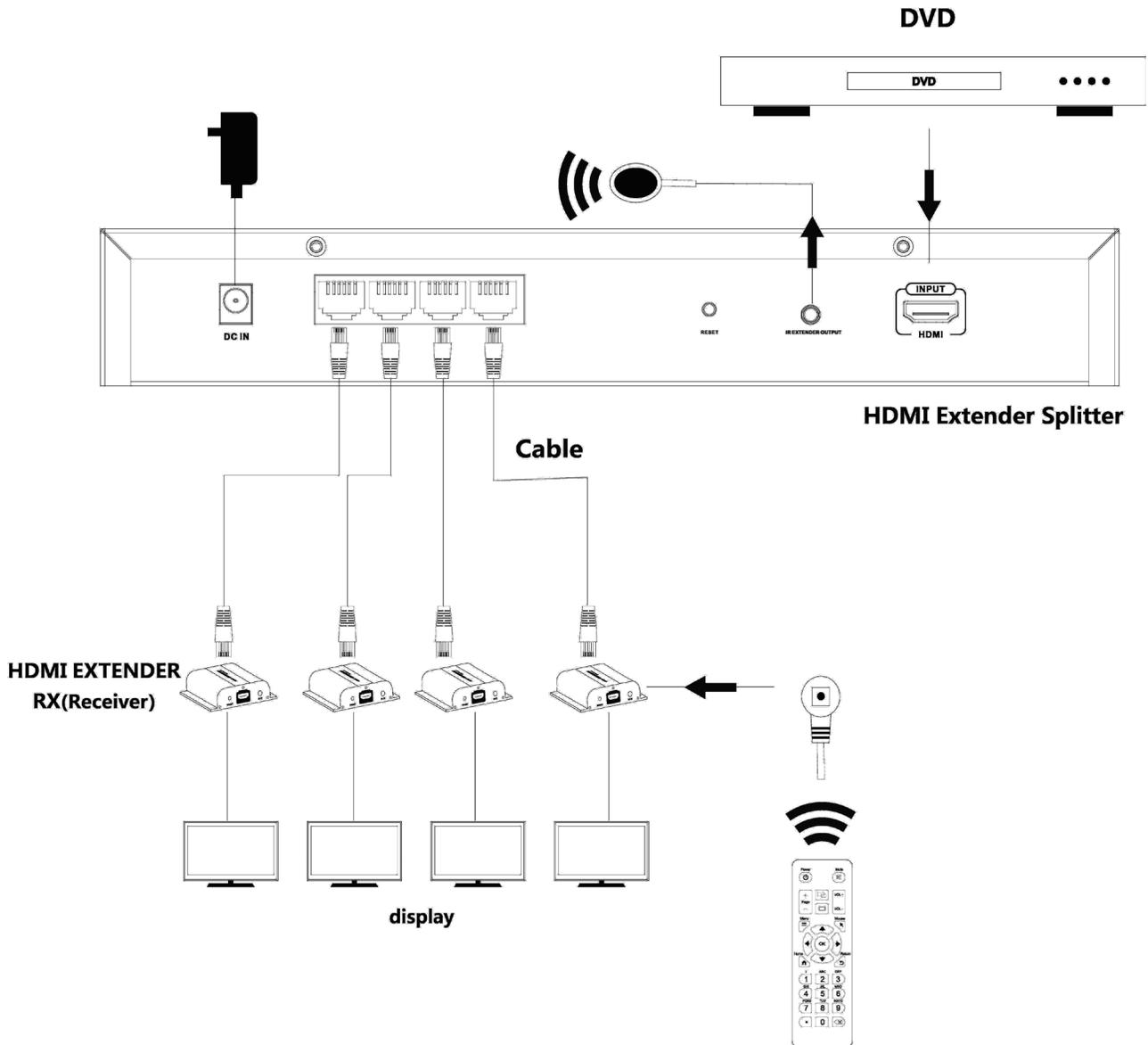
Follows the standards of IEEE-568B:

- 1- Orange/white 2- Orange
- 3- Green/white 4- Blue
- 5- Blue/white 6- Green
- 7- Brown/white 8- Brown



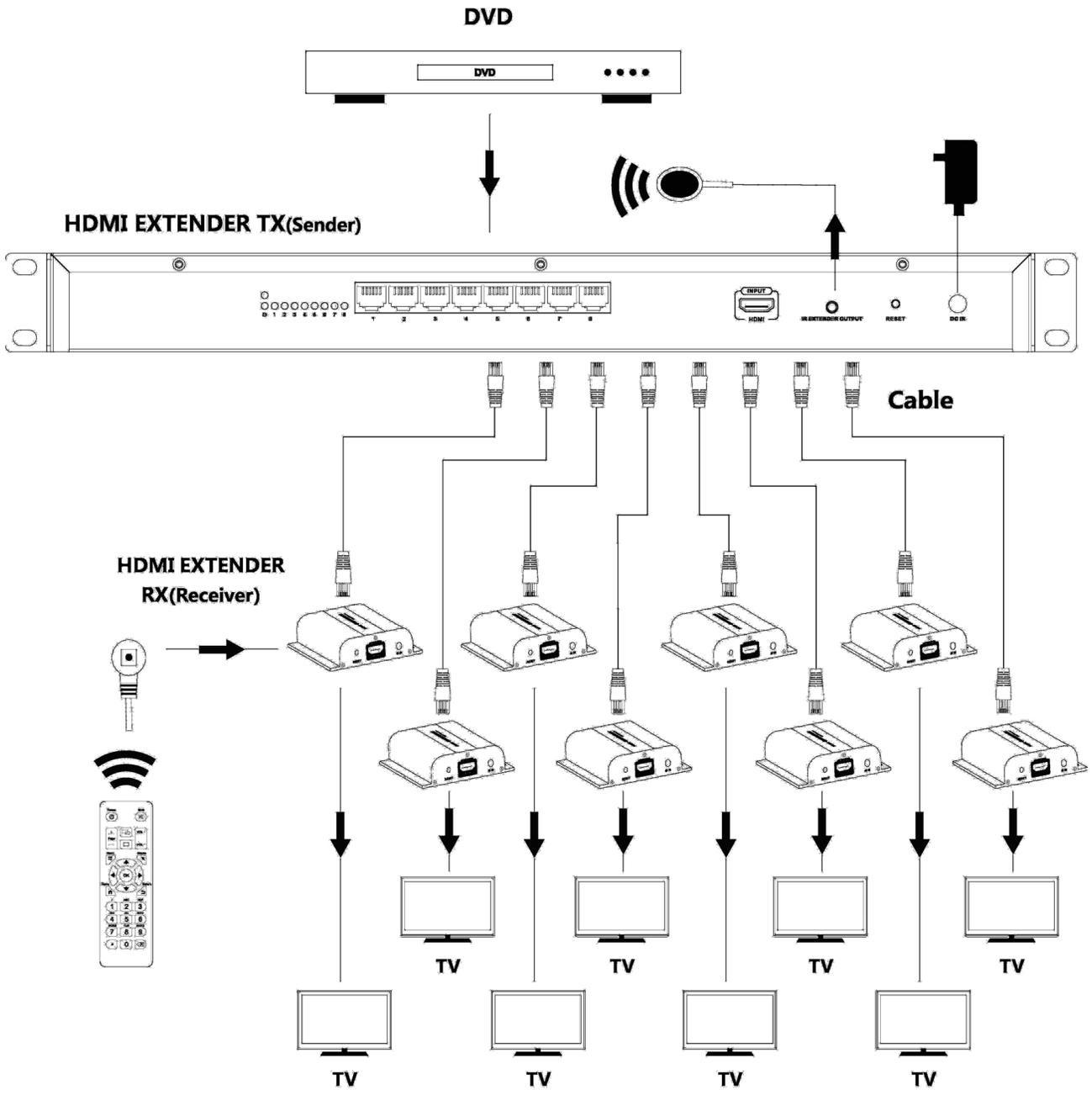
CONNECTION

HDMI-CATSPU-4



CONNECTION

HDMI-CATSPU-8



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