



**Prophecy 4-Port HDMI Extender/Splitter Over
CAT5e/6
Up to 50M with IR**

User Manual



P/N: HDExt4P-Pro

Thank you for purchasing from gofanco. Our products aim to meet all your connectivity needs wherever you go. For optimum performance and safety, please read the instructions carefully and keep this User's Guide for future reference. If you need more information about our products, please visit www.gofanco.com. For technical support, please email us at support@gofanco.com. For drivers/manuals download, please go to <http://www.gofanco.com/download>.

IMPORTANT SAFETY NOTICES

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not put any items into the device or attempt to modify its operation
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product well-ventilated to avoid damage from overheating
- Shut off power and make sure environment is safe before installation
- Do not insert or remove the HDMI cables or IR cables when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included power adapters only. Make sure the specifications match if using 3rd-party DC power adapters

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INTRODUCTION

The 4-Port HDMI Extender/Splitter Over CAT5e/6 Up to 50M with IR extends high definition 1080p HDMI signals from a source device to 4 displays up to 50 meters over CAT5e/6.

FEATURES

- Distributes an HDMI signal over 4 identical Cat5e/6 outputs (same as Ethernet) simultaneously
- Also includes one pass-through HDMI to use for connecting to more splitters or an HDTV
- Transmit an HDMI signal up to 50m away over a single Cat5e/6 cable link
- Up to 4 splitters can be daisy-chained, driving a total of 17 displays!
- Transmits the IR control signal along with the HDMI audio and visual signal via a wide-band bi-directional IR extension (38 ~ 56 kHz)
- Easy configuration via the EDID DIP switch
- Full HD support (1080p), max VESA resolution of 1920x1200
- Supports PCM, Dolby TrueHD™, and DTS-HD Master Audio™
- 3D video support

PACKAGE CONTENTS

The following items are necessary for the correct setup, use and maintenance of your HDMI splitter and extender:

- Prophecy 4-Port HDMI Extender/Splitter over CAT5e/6 Kit (TX & 4 RX units)
- 5x Power adapters (1x 12V/2A for TX, 4x 5V/1A for RX's)
- IR-TX cables (5) & IR-RX cables (5)
- User's manual
- Mounting ears (10) & screws (20)

If any of these items is missing, please contact either gofanco or your vendor.

INSTALLATION REQUIREMENTS

- 1) HDMI source device (computer, DVD player, game console, etc. . .)
- 2) One, two, three, or four HDMI display devices (SDTV/Monitor, HDTV/Monitor, projector, etc. . .)
- 3) One CAT5e/6 cable for each display device, terminated at both ends with an RJ45 connector

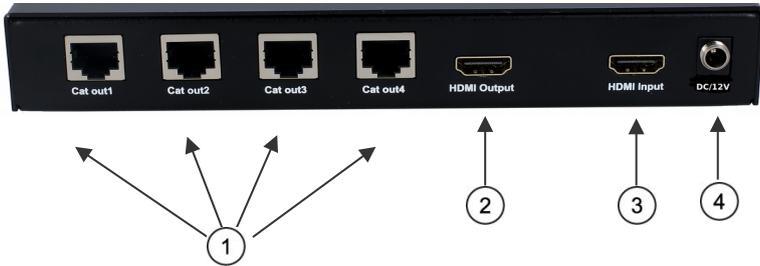
PRODUCT DESCRIPTION

Transmitter Unit (Front Panel)



- 1) **Power Switch:** Powers off the splitter when the "O" side is depressed, and turns on the unit when the "-" side is depressed
- 2) **Power LED:** Glows when the splitter is powered on
- 3) **HDMI input indicator:** Lights when unit is attached to an HDMI source that is powered on
- 4) **HDMI output indicator:** Lights when unit is attached to a local HDMI display that is powered on
- 5) **EDID switch:** Allows user to manually set the EDID code
- 6) **IR-TX port:** Transmits signals to the HDMI source's remote
- 7) **IR-RX port:** Receives the signals from the HDMI source's remote

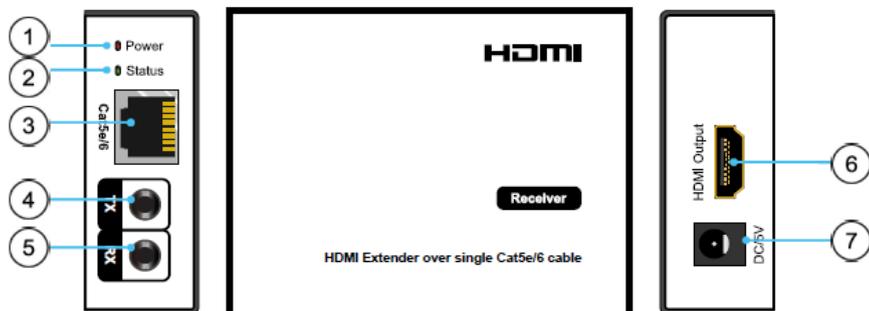
Transmitter (Rear Panel)



- 1) **CAT-5e/6 output ports:** Sends out the converted HDMI signal to a receiver (up 50m away)
- 2) **HDMI pass-through output port:** Can connect to the input of another splitter (for daisy-chaining) or directly to a HDMI display
- 3) **HDMI input port:** Takes in the video signal from the HDMI source
- 4) **Power input port:** This is where the splitter receives power from the 12V DC power supply

Receiver Unit

Receiver Panel



- 1) **Power status LED:** Lights when unit is powered on
- 2) **Signal status LED:** Lights when receiver detects that it is connected to a transmitter unit
- 3) **Cat5e/6 input port:** Receives the signal to be converted back into HDMI. Connects to the transmitter unit
- 4) **IR TX port:** Sends out IR signal to be transmitted
- 5) **IR RX port:** Receives IR signal from remote
- 6) **HDMI output port:** Sends the original signal from the source to an HDMI display
- 7) **Power input port:** This is where the receiver connects to the power adapter

HARDWARE INSTALLATION

- 1) Connect an HDMI signal source, such as a game console, Blu-Ray player or set top box (STB) to the HDMI splitter.
- 2) Connect the HDMI display (such as an HD TV) into the HDMI output of receiver.
- 3) Connect one Cat5e/6 output of the HDMI splitter and one input of a HDMI receiver by a Cat5e/6 cable.
- 4) Plug the IR TX and IR RX cables into the matching IR ports of the splitter.
- 5) Plug the IR TX and IR RX cables into the matching IR ports of the receiver.
- 6) Set the EDID Dip switch appropriately, referring to the table below.
- 7) At the splitter, plug one end of a 12V/2A DC power supply into an AC socket and the other end into the power input port of the splitter. This will power on the splitter.
- 8) At the receiver, plug one end of a 5V/1A DC power supply into an AC socket and the other end into the power input port of the splitter. This will power on the receiver.
- 9) Power on the HDMI source and display.

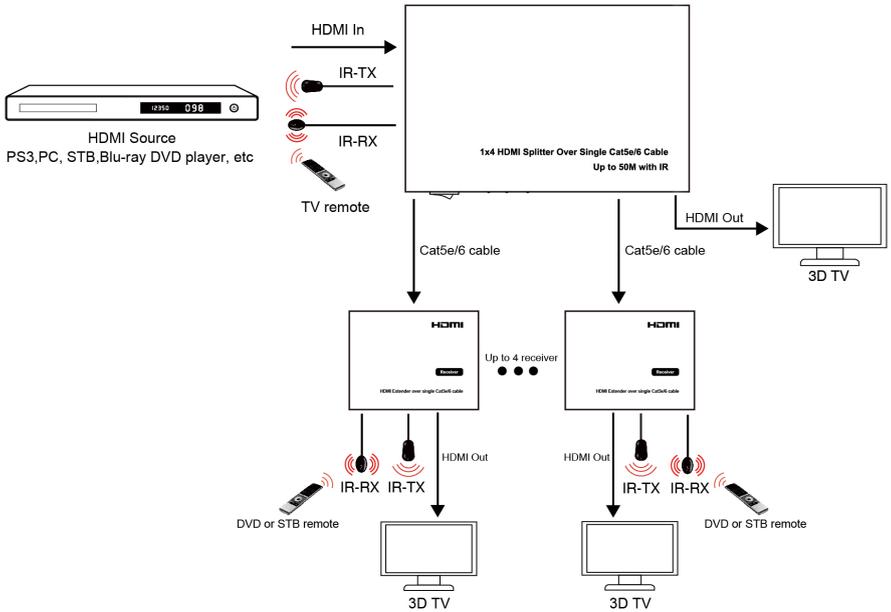
ATTENTION: Insert and remove cables gently. When inserting the Cat5e or Cat6 cable, stop inserting when you hear the “click” sound. To unplug the Cat5e or Cat6 cable, press down on the locking tab and pull the cable out.

EDID Switch Settings

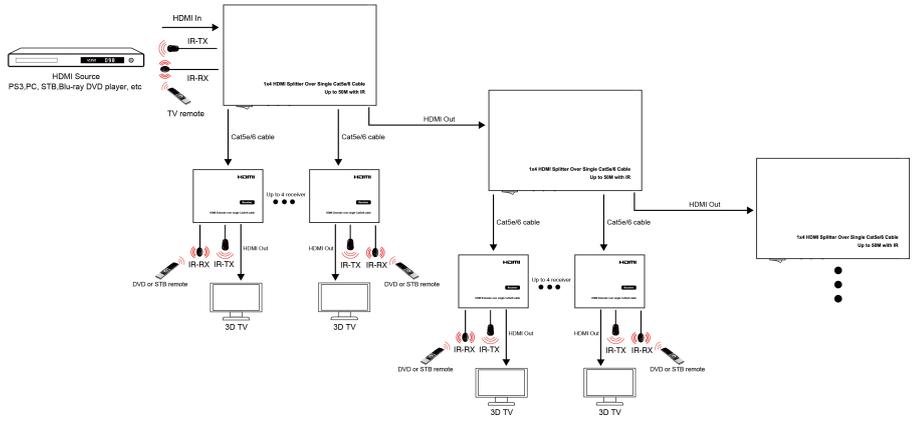
DIP Switch	EDID
0000	Default (1080P2D 2ch)
0001	Copy from HDMI output
0010	1080P2D 2CH
0011	1080P2D 6CH
0100	1080P2D 8CH
0101	Reserved
0110	1080P3D 2CH
0111	1080P3D 6CH
1111	1080P3D 8CH

CONNECTION DIAGRAM

Application 1: Using a single splitter (2 CAT5e/6 outputs illustrated)



Application 2: Daisy-chain up to 4 splitters (2 CAT5e/6 outputs per Transmitter illustrated)



SPECIFICATIONS

Operating Temperature Range	-5 to +35°C(+23 to +95°F)
Operating Humidity Range	5 to 90%RH (Non-Condensing)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p (TTL)
Data transfer speed rate	6.75Gbps (Maximum)
Input port	1 x HDMI 1 x Power input port 1 x IR RX port
Output ports	4 x Cat5e/6 ports (RJ45) 1 x HDMI pass-through port 1 x IR TX port
Video Format Supported	480p, 576p,720p, 1080i, and 1080p Max VESA resolution: 1920x1200 ^① 3D video support
Vertical Frequency range	60Hz
Support Audio Format	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1, and multi-channel 7.1 ^②
Transmission Distance	50m (Maximum) for 1080P over a single Cat5e or Cat6 cable with solid 24AWG wire ^③
Power consumption	12W (Max)
Dimension (L×W×H)	L149xW79xH28mm
Net Weight	317.7g

Notes:

- ① The maximum transmission distance is 40m for 1920x1200 resolution.
- ② The maximum transmission distance is 40m for 5.1CH or 7.1CH.
- ③ Under perfect transmission conditions (i.e. straight cable runs, no electrical interference, bends, kinks, patch panels or wall outlets).

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