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HDBaseT HDMI 2.0 Extender with Loopout

User's Guide

P/N: HDBaseT-HD20

G4-0066A

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 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 repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating

- Shut off power and make sure environment is safe before installation
- Do not plug the HDMI cables and IR cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included DC24V power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The HDBaseT HDMI 2.0 Extender with Loopout extends Ultra High Definition 4K HDR HDMI signals from a source device to a display device up to 40 meters over a single CAT5e/6 cable.

Features

- Transmits HDMI signals from source device to display device up to 40 meters using economical CAT5e/6 cabling
- Supports bi-directional IR remote control function to control the source device or display device from long distances

- Supports Power over Cable (PoC) technology, powers both the transmitter unit and receiver unit using only one power adapter connected to either unit
- The Transmitter's HDMI loopout allows for a local display and monitoring of the extended display

Package Contents

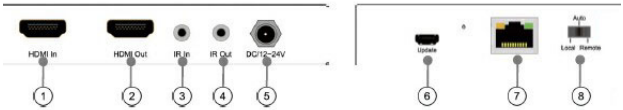
- HDBaseT HDMI 2.0 Extender with Loopout (1 Transmitter & 1 Receiver)
- 1x IR Blaster Extension cable and 1x IR Receiver Extension cable
- 1x Power adapter (24VDC/1A)
- User's guide

Installation Requirements

1. HDMI source device (computer, DVD player, XBOX, PS3, etc)
2. HDMI display device (SDTV/Monitor, HDTV/Monitor, projector, etc.)
3. UTP/STP CAT5e/6 cable following IEEE-568B wiring standard

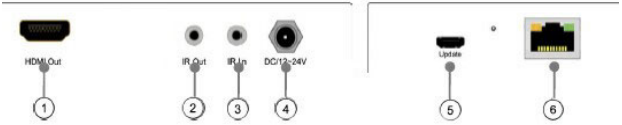
Product Layout

Transmitter TX Front and Rear Panel



No.	Name	Description
1	HDMI In	Connects to your HDMI source device
2	HDMI Out	Connects to an HDMI display for local monitoring of the remote display device
3	IR In	Connects to the included IR Receiver Extension cable to control the remote display device from the HDMI source location
4	IR Out	Connects to the included IR Blaster Extension cable to control the HDMI source device from the remote display location
5	Power Adapter Jack	Connects to the included power adapter
6	Update	USB port for firmware update
7	RJ45 Out	Connects to the Receiver's RJ45 In using a CAT5e/6 cable
8	EDID	**Auto**: 4K@60Hz (default) **Local**: Copies the EDID from the display connected to the Transmitter's HDMI Out **Remote**: Copies the EDID from the remote display connected to the Receiver's HDMI Out

Receiver RX Front and Rear Panel



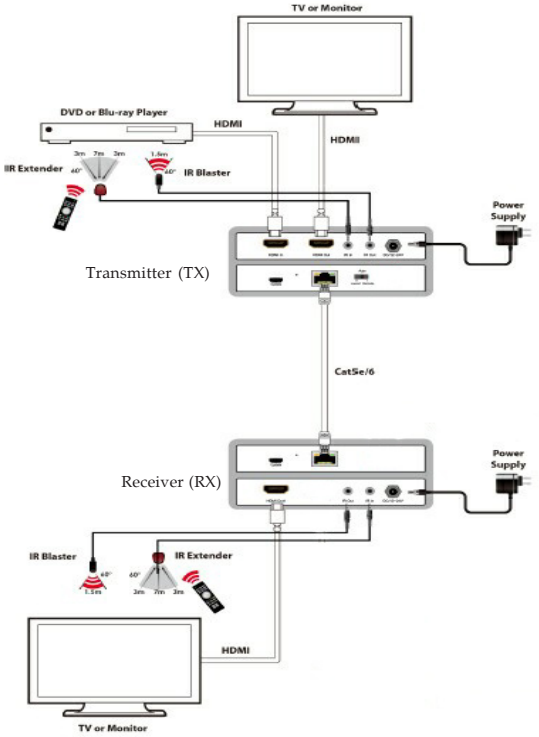
No.	Name	Description
1	HDMI Out	Connects to an HDMI display
2	IR Out	Connects to the included IR Blaster Extension cable to control the remote display device from the HDMI source location
3	IR In	Connects to the included IR Receiver Extension cable to control the HDMI source device from the remote display location
4	Power Adapter Jack	Connects to the included power adapter
5	Update	USB port for firmware update
6	RJ45 In	Connects to the Transmitter's RJ45 Out using a CAT5e/6 cable

Hardware Installation

1. Power off all devices including your HDMI source and HDMI display(s).
2. Connect your HDMI source device to the Transmitter's HDMI In connector with an HDMI cable (HDMI cable not included).
3. Optional: Connect an HDMI display to the Transmitter's HDMI Out connector with an HDMI cable (HDMI cable not included) for local monitoring of the HDMI signal.
4. Optional: Connect the IR Extension cable to the Transmitter's IR port. Face the IR eye towards your HDMI device's IR window. This connection is needed only if you need to control your HDMI device from the remote location. See the application diagram on page 9 for proper cable connection.
5. Plug your CAT5e/6 cable between the Transmitter's RJ45 Out and Receiver's RJ45 In.
6. Connect your HDMI display to the Receiver's HDMI Out connector with an HDMI cable (HDMI cable not included).

7. Optional: Connect the IR Extension cable to the Receiver's IR port. This connection is needed only if you need to control your HDMI device from the remote location. See the application diagram on page 9 for proper cable connection.
8. Plug the included power adapter into either the Transmitter's or Receiver's power jack, then plug power adapter into a reliable power source. One power adapter will power both the Transmitter and Receiver.
9. Power on all connected devices.
10. The HDMI extender is ready for use.

Application



Specifications

Operating Temperature Range	-10 to +55°C (14 to +131 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	DTV/HDTV; 4K/1080P/1080i/720P(50HZ)/576P/480P/576i/480i
Output Video	HDMI 2.0+HDCP1.4/2.2
Output Audio	Support DTS-HD, Dolby-HD
Maximum Transmission Distance	70 meters for 1080P, 40 meters for 4K
Power Supply	24V1A
Poc	Power from TX to RX over Cat5/6 cable
Power Consumption	12Watts
Dimensions	139.4mmH×66.8mmW×20mmD
Mass (Main unit)	0.54Kg (Pairs)

Disclaimer

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