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gofanco G4-0090A 1080p HDMI CAT Extender with Loopout User Guide

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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/downloads.**

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 DC5V power adapters only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The 1080p HDMI CAT Extender with Loopout -50m extends high definition 1080p HDMI signals from a source device to a display device up to 164ft (50m) using an economical CAT cable.

Features

- Transmits 1080p HDMI signals up to 50 meters using economical CAT cabling
- HDMI 1.3 and HDCP 1.4 compliant
- Supports IR remote control function to control the source device from long distances
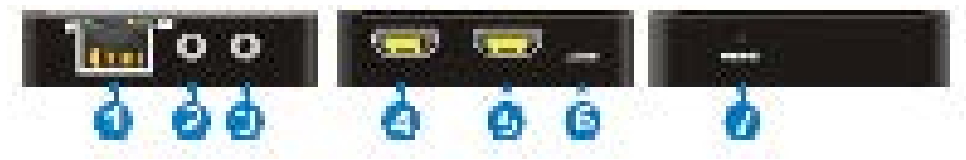- HDMI Loopout allows monitoring the extended display from remote location

Package Contents

- 1080p HDMI CAT Extender with Loopout -50m
- Power adapter (2pcs)
- IR Receiver cable (1pc)
- IR Blaster cable (1pc)
- 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

1. RJ45 Out: Connects to the Receiver's RJ45 In using a CAT cable. The green LED lights up when powered on. The yellow LED lights up when linked properly to the Receiver

2. IR In: Connects to the included IR Receiver cable

3. IR Out: Connects to the included IR Blaster cable

4. HDMI Out: Connects to your HDMI display for local monitoring of the extended display

5. HDMI In: Connects to your HDMI source device

6. Power Jack: Connects to the included power adapter
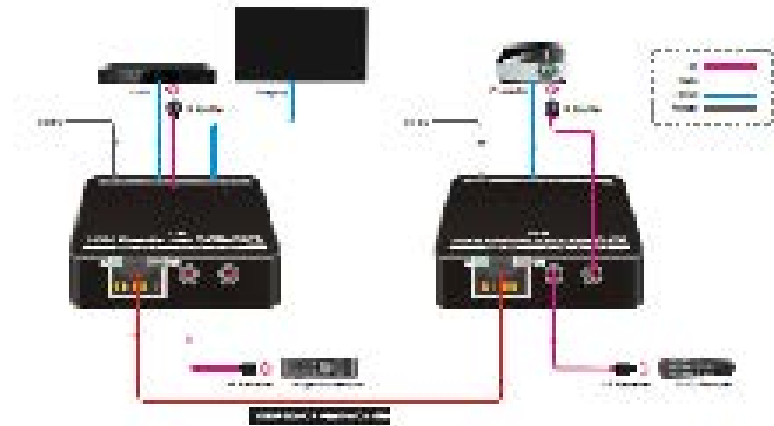
7. Reset: Reset the Transmitter

1. RJ45 In: Connects to the Transmitter's RJ45 Out using a CAT cable. The green LED lights up when powered on. The yellow LED lights up when linked properly to the Transmitter
2. IR In: Connects to the included IR Receiver cable
3. IR Out: Connects to the included IR Blaster cable
4. HDMI Out: Connects to your HDMI display for local monitoring of the extended display
5. Power Jack: Connects to the included power adapter
6. EQ Setting: Press this button to improve the video signal quality

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 a 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 Blaster Cable and IR Receiver Cable. Face the IR eye towards your device's IR window. This connection is needed only if you need to control your HDMI device from the remote location. Please see the Connection Diagram on page 8 for proper connection.

5. Plug your CAT 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 a HDMI cable (HDMI cable not included).

7. Plug the included power adapters into the Transmitter's and Receiver's power jacks, then plug both power adapters into a reliable power source.

8. Power on all connected devices.

9. The HDMI extender is ready for use.

Connection Diagram

FAQ & Solutions

Q: There is no video output or audio and video display is not normal:
A: 1) Press the Receiver's EQ button.
  2) Use a shorter network cable.

Q: The Receiver's Link LED is flashing:
A: 1) Make sure the network cable follows the IEEE-568B wiring standard.
 2) Check whether TX has HDMI signal input.
3) Reset the TX and reconnect.
4) Press the EQ button on the RX.

Q: The extender is not working properly:
A: 1) Please check the cable lengths below:
– HDMI cables: Up to 5m
– Network cable: Up to 50m
  2) Press the reset button on the TX and reconnect.

Q: RX Link LED is on but there is no image:
A: 1) Press RX EQ button to reset the unit.
  2) Make sure the HDMI cable is firmly connected to the display.
 3) Use a higher quality network cable.

Specifications

	Transmitter	Receiver
Input	(1) HDMI	(1) CAT
Input Connector	(1) 19-pin type-A female HDMI	(1) RJ45
Output	(1) HDMI; (1) CAT	(1) HDMI
Output Connector	(1) 19-pin type-A female HDMI; (1) RJ45	(1) 19-pin type-A female HDMI
Control	(1) IR IN; (1) IR OUT	(1) IR IN; (1) IR OUT
Control Connector	(2) 3.5mm mini jacks	(2) 3.5mm mini jacks
General		
Transmission Distance	1080p@60Hz≤50m (CAT6a); 1080p@60Hz≤45m (CAT5e)	
HDMI Standard	HDMI 1.3, HDCP 1.4 compliant	
EDID Management	Built-in EDID	
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 5VDC 1A	
Power Consumption	5W (Max)	
Operation Temperature	-10~ 40℃	
Storage Temperature	-15~ 55℃	
Relative Humidity	10%~90%	
Dimensions (W*H*D)	66mm x 16.8 mm x66 mm	
Net Weight	Transmitter: 47g; Receiver: 45g	

Disclaimer

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