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gofanco HD14EXT-100 HDMI 1.4 CAT Extender with Loopout User Guide

Contents

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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

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 DC12V power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The HDMI 1.4 CAT Extender with Loopout -100m extends HDMI transmission up to 328ft (100m) at 4K or 1080p over CAT6/7.

Features

- Supports up to 4K @30Hz YUV 4:4:4, HDR, 1080p @60Hz YUV 4:4:4
- HDMI 1.4 and HDCP 2.2 compliant
- HDMI loop-out equipped in the TX
- Supports Power over Cable (PoC) and bi-directional IR
- Near zero latency
- Lightning/Surge/ESD protection

Package Contents

- HDMI 1.4 CAT Extender with Loopout -100m (1 Transmitter & 1 Receiver)
- 1x IR Blaster cable and 1x IR Receiver cable
- 1x Power adapter (12VDC/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 CAT6/7 cable following IEEE-T568B wiring standard

Product Layout

Transmitter TX Front and Rear Panel

1. RJ45 Out: Connects to the Receiver's RJ45 In using a CAT cable. It supports PoC to power the Receiver. The orange LED illuminates when there is a valid HDMI signal. The Green LED illuminates when power is applied
2. IR In: Connects to the included IR Receiver cable to control the remote display device from the HDMI source location
3. IR Out: Connects to the included IR Blaster cable to control the HDMI source device from the remote display location
4. HDMI Out: Connects to an HDMI display for local monitoring of the remote display
5. HDMI In: Connects to your HDMI source
6. Power Jack: Connects to the included power adapter
7. EDID Management:
    1. EDID Bypass: Press the button with a paper clip or other sharp object to learn the EDID from the remote display connected to the Receiver's HDMI Out
    2. EDID Copy Tx/3s: Press and hold the button down for 3 seconds to copy the EDID from the local display connected to the Transmitter's HDMI out
    3. Default: The source device learns EDID from the TV with the lowest resolution. To restore default setting, press and hold down while powering cycling the unit, then release 6 seconds after power is back on

**Receiver RX Front and Rear Panel**

1. RJ45 In: Connects to the Transmitter's RJ45 Out using a CAT cable. It supports PoC to power the Receiver. The orange LED illuminates when there is a valid HDMI signal. The Green LED illuminates when power is applied
2. IR In: Connects to the included IR Receiver cable to control the HDMI source device from the remote display

location

3. IR Out: Connects to the included IR Blaster cable to control the remote display from the HDMI source location
4. HDMI Out: Connects to your HDMI display

CAT Cable Wiring

We suggest both RJ45 connectors be wired identically using T568B wiring standard for the best performance and compatibility.
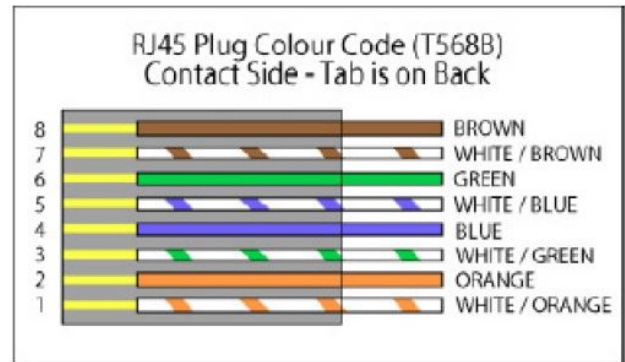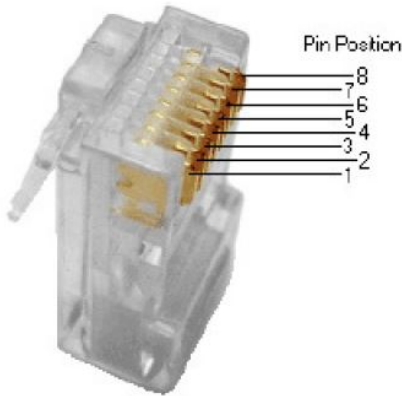

Hardware Installation

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 your 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 10 for proper connection.
5. Plug a CAT6/7 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. Plug the included power adapter into the Transmitter's power jack, then plug the power adapter into a reliable power source. One power adapter will power both the Transmitter and Receiver.
8. Power on all connected devices.
9. The HDMI extender is ready for use.

Connection Diagram

Source Device IR Control
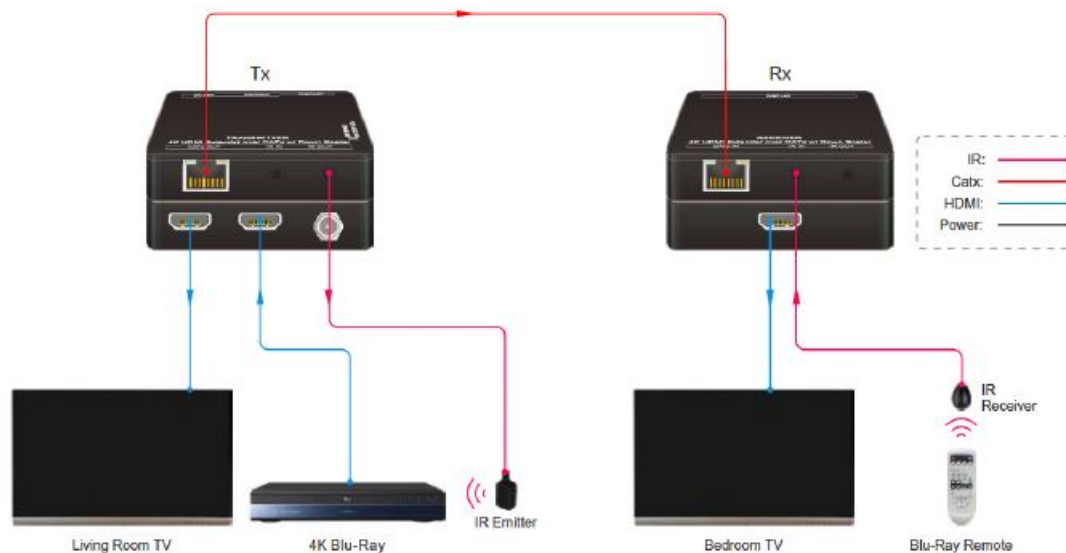
Display Device IR Control
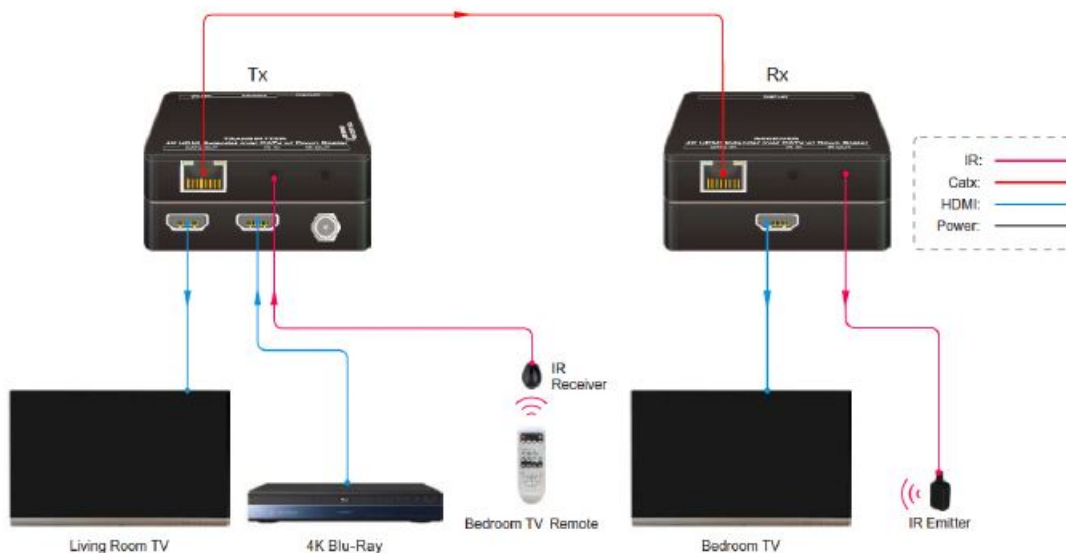
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Documents / Resources

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