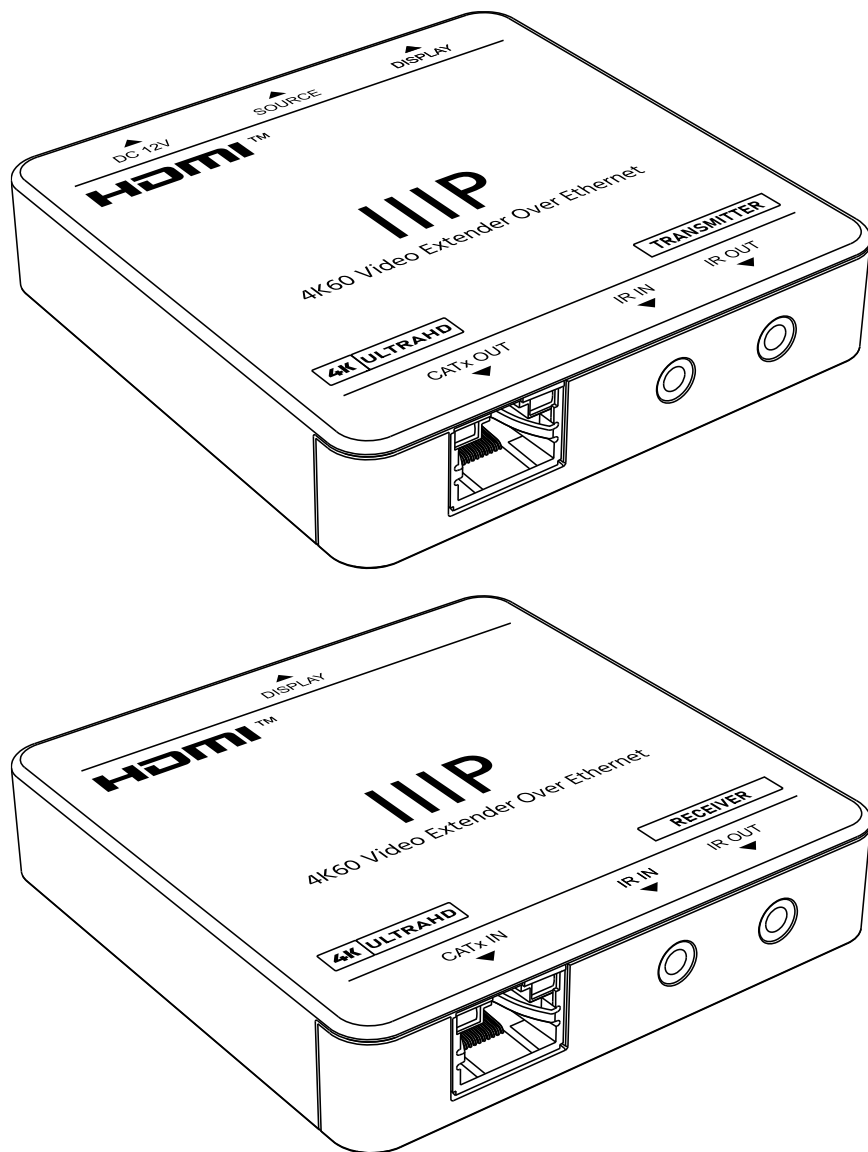




Monoprice™
4K60 Video Extender with HDMI®
Up to 70 m Over a Single Cat5e/6/6A Ethernet Cable

P/N **48142**
User Manual

THANK YOU FOR PURCHASING THIS PRODUCT

For optimum performance and safety, please read these instructions carefully before connecting, operating, or adjusting this product.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only. Ensure all connected devices are properly grounded before use.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power source and allow it to fully dry before reapplying power.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessive vibration. Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
- Unplug this device from the power source when not in use.
- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
- Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.

- Ensure that power is turned off and disconnected before making any electrical connections.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user-serviceable parts. Do not attempt to open, service, or modify this device.

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INTRODUCTION

This product is a cost-effective point-to-point extender set for HDMI 2.0 and IR signals. It supports 4K @ 60Hz with 4:4:4 chroma sampling, HDMI data rates up to 18 Gbps, and is compliant with HDCP™ 2.2. The extender delivers HDMI transmission up to 230 feet (70 meters) for 4K @ 60Hz 4:4:4, or up to 262 feet (80 meters) for 1080p, over a single Cat5e/6/6A cable. It also supports video resolution downscaling, allowing a 4K input to be automatically downscaled to 1080p output for compatibility with 1080p displays.

FEATURES

- Supports HDMI 2.0 with resolutions up to 4K @ 60Hz (4:4:4), HDR10, 18 Gbps bandwidth, and HDCP 2.2
- Extends signals up to 70 m for 4K and up to 80 m for 1080p over a single Cat5e/6/6A cable
- HDMI loop-out on the transmitter for local display monitoring
- Bi-directional IR pass-through
- Supports video resolution downscaling, allowing a 4K input to be automatically scaled to 1080p output at the receiver for compatibility with legacy 1080p display devices

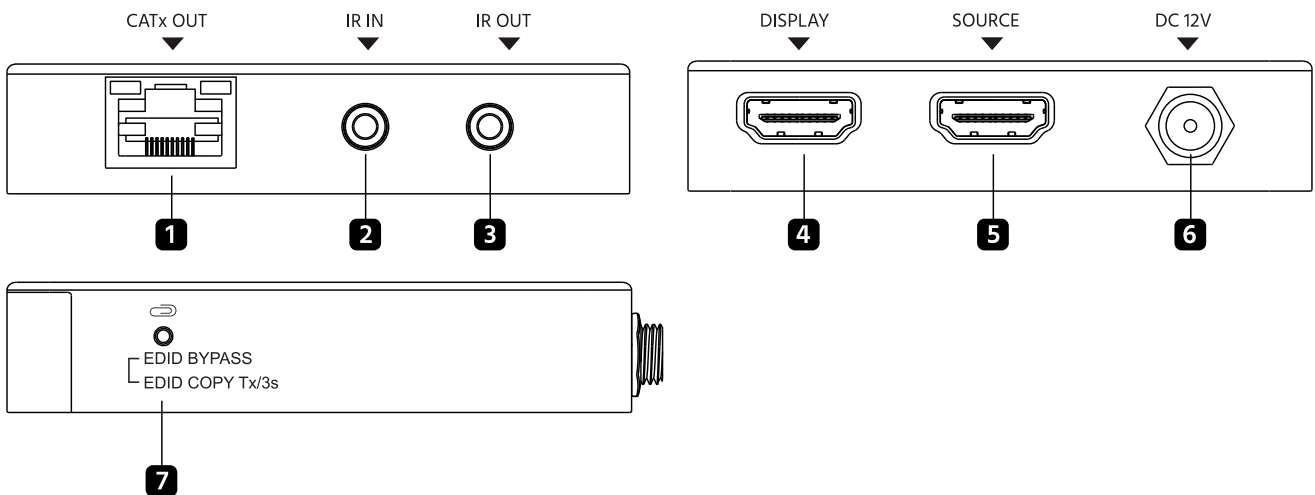
- Features visually lossless compression with zero latency
- Smart EDID® management
- Compact design for easy installation and simple operation

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice™ Customer Service for a replacement.

- 1x 4K Video Transmitter
- 1x 4K Video Receiver
- 1x IR Receiver
- 1x IR Emitter
- 2x Velcro Strips
- 1x Power Adaptor (12 VDC, 1 A)
- 1x User Manual

TRANSMITTER PANEL



- 1. CATx OUT:** RJ45 port for connecting to the CATx IN port on the Receiver using a Cat5e/6/6A cable. Supports 12 V PoC to power the Receiver. The **orange** LED lights up when a valid HDMI signal is detected, and the **green** LED lights up when power is applied.
- 2. IR IN:** 3.5 mm mini jack for connecting an IR receiver to enable IR pass-through.
- 3. IR OUT:** 3.5 mm mini jack for connecting an IR emitter to enable IR pass-through.
- 4. DISPLAY:** HDMI port for connecting an HDMI display device.

5. **SOURCE:** HDMI port for connecting an HDMI source device.

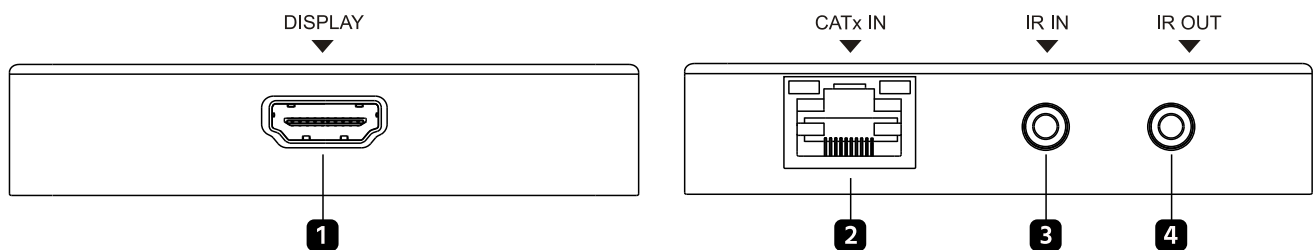
6. **DC 12 V:** DC connector for connecting the power adapter.

7. **EDID Management:**

- **EDID BYPASS:** Press the button using a paper clip or other pointed tool to learn the EDID from the remote display connected to the Receiver's HDMI output.
- **EDID COPY TX/3s:** Press and hold the button for 3 seconds to copy the EDID from the local display connected to the Transmitter's HDMI output.
- **DEFAULT:** Factory default setting. The source device reads the EDID from the display with the lowest resolution. To restore the default setting, press and hold the button while powering on the unit, then release the button after 6 seconds.

Note: If the native resolution of the local display is lower than that of the remote display, the extender outputs video at the lower resolution to ensure compatibility with both displays.

RECEIVER PANEL



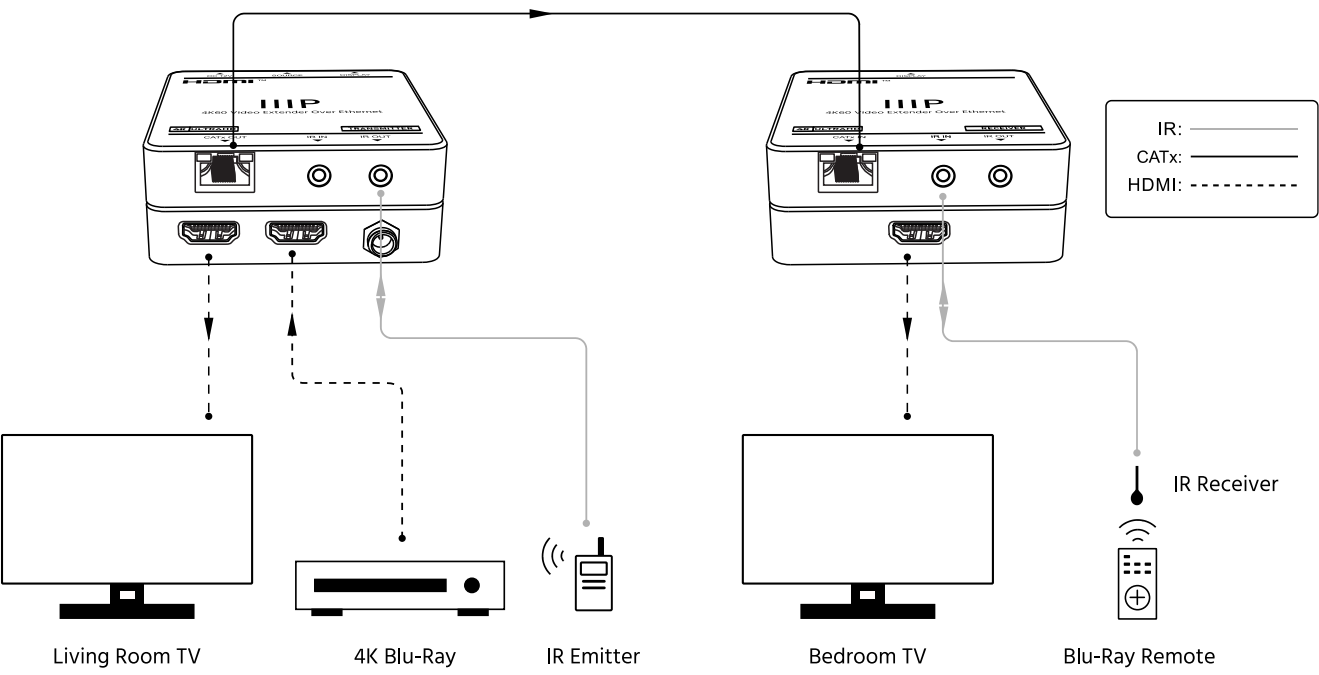
1. **DISPLAY:** HDMI port for connecting an HDMI display device.

2. **CATx IN:** RJ45 port for connecting to the CATx OUT port on the Transmitter using a Cat5e/6/6A cable. Supports 12 V PoC, allowing the Receiver to be powered by the Transmitter. The **orange** LED lights up when a valid HDMI signal is detected, and the **green** LED lights up when power is applied.

3. **IR IN:** 3.5 mm mini jack for connecting an IR receiver to enable IR pass-through.

4. **IR OUT:** 3.5 mm mini jack for connecting an IR emitter to enable IR pass-through.

CONNECTION DIAGRAM



SPECIFICATIONS

Transmitter	
Input	1x SOURCE
Input Connector	1x HDMI Port
Output	1x DISPLAY, 1x CATx OUT
Output Connector	1x HDMI Port, 1x RJ45
Control	1x IR IN, 1x IR OUT
Control Connector	2x 3.5 mm Mini Jacks
Receiver	
Input	1x CATx IN
Input Connector	1x RJ45
Output	1x DISPLAY
Output Connector	1x HDMI Port
Control	1x IR IN, 1x IR OUT
Control Connector	2x 3.5 mm Mini Jacks
General	
Video Resolution	Up to 4K @ 60Hz 4:4:4, HDR10

HDMI Audio Format	Supports LPCM 2ch, LPCM 5.1ch, LPCM 7.1ch, Dolby Digital® 2ch, Dolby Digital 5.1ch, DTS® 2ch, DTS 5.1ch, DTS-96/24® 5.1ch
Transmission Distance	4K / 1080p ≤ 70 meters (230 feet) Note: CATx cable length should not be less than 15 meters for best video output.
HDMI Version	HDMI 2.0
HDCP Version	HDCP 2.2 Note: The HDCP of output follows the HDCP version of display device.
EDID	EDID Management
Power Supply	Input: 100–240 VAC, 50/60 Hz Output: 12 VDC, 1 A
Power Consumption	4 W (Max)
Operating Temperature	23 °F – 131 °F / -5 °C – 55 °C
Storage Temperature	-13 °F – 158 °F / -25 °C – 70 °C
Relative Humidity	10–90%
Dimensions (W x H x D)	3.1" x 0.7" x 3.1" (80 x 16.8 x 80 mm)
Net Weight	Tx/Rx: 2.5 oz (70 g)

Note: The extender set does not support HBR audio.

CUSTOMER SERVICE

The Monoprice™ Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problems with your order, please give us an opportunity to make it right. You can contact a Monoprice™ Customer Service representative through the Live Chat link on our website www.monoprice.com or via email at support@monoprice.com. Check the website for support times and links.

TECHNICAL SUPPORT

Monoprice™ is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website www.monoprice.com or through email by sending a message to tech@monoprice.com. Check the website for support times and links.

To download the latest drivers, firmware, manuals, etc., go to **www.monoprice.com** and type **48142** into the search bar. If available, support files are linked at the bottom of the product page.

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

DISPOSAL AND RECYCLING INFORMATION



The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electrical and electronics products via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your unwanted product, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

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www.monoprice.com

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