

4K Video Solutions

HDMI 4K EXTENDER

USER MANUAL



EX-HDMI-4K



Thank you for choosing Kopul.

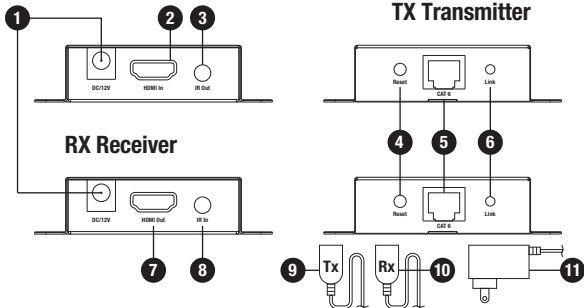
The Kopul EX-HDMI-4K extends high-definition video and audio signals over an ethernet cable with a range of up to 230 feet. It's an economical solution that replaces expensive and heavy HDMI cables. This transmitter and receiver kit will transmit a signal up to 4K@60 resolution without latency or signal loss over a Cat 5e or Cat 6 cable. Use the transmitter and receiver to connect a remote camera to a switcher, or a presenter to a back-of-house projector. The two devices are powered by a single power supply, and setup is easy and effortless.

The extender kit includes an IR receiver and transmitter that extends the range of an IR remote control so you can operate playback or source devices from up to 230 feet away. You can control a DVD or Blu-ray player from the front of an auditorium or lectern. Sturdy metal construction makes the 4K extender kit road-ready and perfect for transport and remote setups.

Precautions

- Please read and follow these instructions and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Kopul will not be responsible for any damage.
- Clean the unit with only a soft, dry cloth.
- Use only parts provided by the manufacturer.
- Make sure that this product is intact and that there are no missing parts.
- All images are for illustrative purposes only.

Overview



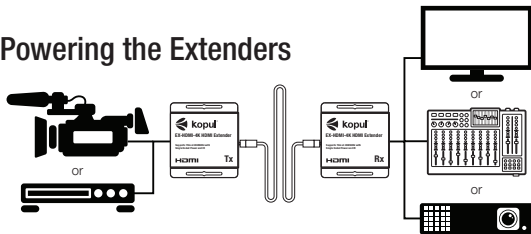
1. 12 VDC power input
2. HDMI input
3. IR output port
4. Reset button
5. Ethernet link connector (Cat 5e or Cat 6 cable)
6. Power/Link indicator (Illuminates when ethernet link is complete and signal is being transmitted. Blinks when power is on but input signal is not being received.)
7. HDMI output
8. IR input port
9. IR input (TX) cable (attach only to transmitter)
10. IR output (RX) cable (attach only to receiver)
11. Power supply

Powering the Extenders

The transmitter and receiver both have power input ports that will accept the included power supply. Both devices are powered by a single power source.

Use the included power supply and plug either the transmitter or receiver into an available power source. When power is received, both LED indicators will blink.

Powering the Extenders

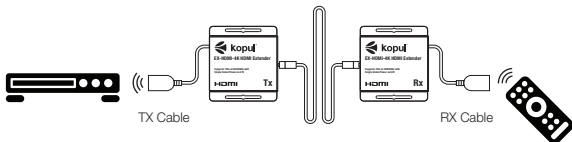


1. Connect an HDMI source device like a DVD or Blu-ray player to the HDMI In port of the transmitter.
2. Connect the transmitter and receiver with a Cat 5e or Cat 6 ethernet cable (up to 230 ft. length)
3. Connect the receiver's HDMI Out port to an HDMI input device like an HD TV, switcher, or projector.

Using an IR Remote

Use the IR RX and TX cables to control a device like a DVD or Blu-ray player with an IR remote control.

1. Connect the IR RX cable to the receiver's IR In port.
The IR signal will transmit to the Transmitter's IR Out port.
2. Use the included adhesive pads to mount the IR sensors onto a flat surface. Remove the protective sheets, and affix one side to the bottom of the IR sensor, and the other side to a table, desk, or lectern.



Specifications

Transmitter Ports	HDMI female input, RJ45 female, 3.5 mm (female) IR output, barrel power input
Receiver Ports	HDMI female output, RJ45 female, 3.5 mm (female) IR input, barrel power input
Video Formats	480p, 576p, 720p, 1080p, 4K@60Hz, 480i, 576i, 1080i
Max Transmission Distance	230 ft. (70 m) for 4K@60Hz (4:4:4)
Supported Cable Types	Cat 5e, Cat 6
Vertical Frequency Range	50/60Hz
IR Frequency Range	20–60 kHz
Supported Standards	HDCP 1.4, 2.2, HDR10, HLG High Dynamic Range (HDR)

Power

Power Consumption (Max)	Transmitter: 1.3 W Receiver: 1.6W
AC Input	100–240 V 50/60 Hz
DC Output	12V $\overline{\text{=}}$ 1A
Power Supply	12 VDC

General

Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Humidity	5% to 90% RH (non-condensation)
Material	Metal
Color	Black
Dimensions	3 × 3.25 × 0.75 in. (7.6 × 8.3 × 1.9 cm)
Weight	Transmitter: 4.2 oz. (120 g) Receiver: 4.2 oz. (120 g)

One-Year Limited Warranty

This Kopul product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Kopul Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Kopul along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.kopulcables.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com



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