



4K HDMI Extender With Dual HDMI Output

Distributes 4K@60Hz (4:4:4 Chroma) HDR10 HDMI up to 40 m (130 ft.) or 1080p@60Hz HDMI up to 70 m (230 ft.) Over a Single Cat5e/6 Cable, Power Over Cable (PoC), Two HDMI Outputs on Receiver, HDMI Loop-out on Transmitter, IR and RS232 Support

Part No.: [208291](#)

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Extended Ultra-high-definition (UHD) 4K HDMI with HDBaseT technology and Ethernet cable

The Manhattan 4K HDMI Extender with Dual HDMI Output extends 4K@60Hz 4:4:4 HDR10 HDMI to one or two UHD displays up to 40 m (130 ft.) or 1080p@60Hz to 70 m (230 ft.). This extender uses HDBaseT technology to optimize whole-home or commercial AV distribution at much greater distances than standard HDMI cables to place UHD TVs where they're needed with no loss of signal quality.

This HDMI Extender's transmitter and receiver connect with a single Cat5e/6 cable (not included). For added convenience, the transmitter and receiver modules have additional 3.5 mm ports for bidirectional Infrared (IR), offering remote control of the UHD / HD signal source or display.

To experience a true 4K@60Hz 4:4:4 HDR10 signal, all parts of the setup must support it, including HDMI cables. Check out our Premium High-Speed HDMI Cables to ensure the compatible display(s) will show this incredible picture quality.

Flexible Solution for Many AV Applications

Ideal for tradeshow, classroom, home theater, conference room, business office and retail applications, this extender boosts, extends and splits an HDMI signal to where it's needed. The transmitter also offers a loop-out HDMI port to connect a display near a source and know what is showing on the displays at the receiver. This 4K HDMI Extender also offers Power Over Cable (PoC) technology, to give power to the receiver from the power-connected transmitter

or vice versa. For greater accessibility in the setup, this 4K HDMI Extender also features an RS232/serial port to connect a control processor that can carry out simple and complex commands.

Quality Construction and Easy Installation

HDCP 2.2 compliant with HDMI, the Manhattan 4K HDMI Extender with Dual HDMI Output is tested to guarantee performance and reliability. It installs quickly without having to run software or install additional hardware. Its ultra-slim and compact design make it the best choice to maximize options in AV applications, whether for a home user or installer.

Features:

- HDBaseT technology for optimized, whole-home or commercial AV distribution at much greater distances than standard HDMI cables
- Extends 4K@60Hz (4:4:4 chroma) HDR10 HDMI up to 40 m (130 ft.); 1080p@60Hz HDMI up to 70 m (230 ft.) over a single Cat5e/6 cable
- Supports 4K@60Hz (4:4:4 chroma subsampling) HDR10 resolution at 40 m (130 ft.), following HDMI 2.0 specification
- Supports 1080p@60Hz resolution at 70 m (230 ft.)
- HDMI loop-out on transmitter unit and two HDMI outputs on the receiver unit
- HDMI loop-out on transmitter
- Two HDMI outputs on the receiver
- Power over Cable (PoC) to power the receiver unit
- Supports HD audio formats such as Dolby Digital, Dolby TrueHD, DTS 5.1, and PCM
- Bidirectional RS232 & IR control extension
- Fully HDCP 2.2 compliant, backward compatible
- Supports CEC
- Features Auto EDID and EQ management
- Plug and play; power adapter included
- Ultra-slim design
- Three-year warranty

Specifications:

Standards and Certifications

- HDMI 2.0
- HDCP 2.2
- DVI 1.0
- CTS 1.2

For more information on Manhattan products, consult your local dealer or visit www.manhattan-products.com.

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- CE
- FCC
- RoHS2

General

- Max distance supported: 70 m (230 ft.)
- Maximum Digital Resolutions
 - 40 m (130 ft.): 4K@60Hz, 4:4:4 chroma subsampling, HDR10
 - 70 m (230 ft.): 1080p@60Hz
- Power: 24 VDC / 1 A (cable: 1.4 m [4.5 ft.])
- LED indicator

Supported Resolutions

- 480i
- 576i
- 480p
- 576p
- 720p
- 1080i
- 1080p
- 4K@30Hz
- 4K@60Hz, 4:4:4 chroma subsampling, HDR10

Connections

- One HDMI input (transmitter)
- One HDMI loop-out (transmitter)
- Two HDMI output (receiver)
- One RJ45 female (transmitter/receiver)
- One 5 VDC power female (transmitter/receiver)
- Two 3.5 mm IR female (transmitter/receiver)
- One 3-pin, phoenix, female for RS232 serial control (transmitter/receiver)

Signal Input/Output

- Input video signal: 0.5 – 1.0 V p-p
- Input DDC signal: 5 V p-p (TTL)
- Output video: HDCP 2.2

Physical

- Dimensions: 139.4 x 66.8 x 20 mm (5.49 x 2.63 x 0.79 in.)
- Weight: 0.7 kg (1.54 lbs.)
- Housing: metal

Operating Environment

- Operation Temperature: -10 – 55°C (14 – 131°F)
- Storage Temperature: -20 – 60°C (-4 – 140°F)
- Humidity (noncondensing): 5 – 90%

Package Contents

- 4K HDMI Extender with Dual HDMI Output
- Power adapter (one unit)
- IR blaster and receiver (two units each)
- Phoenix block (one unit each)
- Wall-mounting hardware (two units each)
- Quick Instruction Guide

