



Receiver Box for HDMI Extender over Single Cat 6 Cable

Model 103002R



- ◆ COMPATIBLE WITH THE TCP/IP HDMI EXTENDER MODEL 130002
- ◆ ADD UP TO 8 DISPLAYS WITH A DEDICATED NETWORK SWITCH
- ◆ COST-EFFECTIVE SOLUTION USES EXISTING CAT 6 WIRING

Quick Start Guide



Email: support@cablematters.com

Thank you for your purchase from Cable Matters. Please review this Quick Start Guide for the installation of the

Receiver Box for HDMI Extender over Single CAT6 Cable

This Receiver box is designed to operate with the Cable Matters HDMI Extender over Single CAT 6 Cable with IR Control (Model 103002). Contact support@cablematters.com for a PDF copy of the user manual for that model.

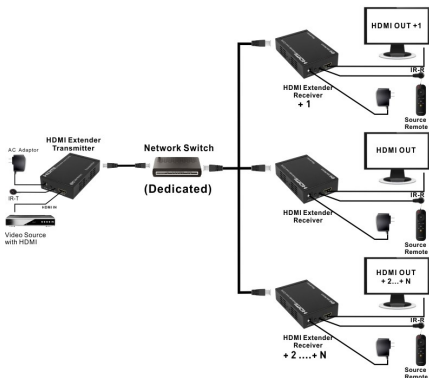
Contact support@cablematters.com for questions or product support.

Package Contents

Please check that the following items are in the package.

- 1 x HDMI Extender Receiver Box
- 1 x 5V DC Power Adapter
- 1 x IR Receiver Cable with adhesive circle
- 2 x Mounting Brackets
- 8 x Mounting Screws
- 1 x Quick Start Guide

The Cable Matters® Receiver Box for HDMI Extender over Single CAT 6 Cable operates with the Cable Matters HDMI Extender Transmitter (Model 103002). Connect up to 8 HD video displays with HDMI in remote locations up to 300 feet apart. Broadcast HDMI audio and video signals to multiple displays with a dedicated (not shared) network switch.



Installation Instructions

- Power off the connected source and destination equipment before connecting any equipment or cabling.
- Test the Receiver with the Transmitter box before installing permanently.
- Locate the Receiver within 5 feet of an electrical outlet for power.
- A dedicated (not shared) network switch is required to connect multiple Receiver boxes (up to 8 total).
- Use high quality HDMI cables in the shortest length necessary.
- All cabling must use TIA/EIA 568-B wiring
- Cat 6 certified cabling provides the best performance. Operates up to 125 feet over Cat 5e
- The IR Receiver (IR-R) cable face must be positioned to have line of sight for a hand-held remote.
- Contact support@cablematters.com for a PDF copy of the User Manual for the HDMI Extender over Single CAT 6 Cable with IR Control.

Receiver Connections



1. Connect the power adapter to the Receiver and to an electrical outlet. Check that the green LED is lit.
2. Connect an HDMI cable from the 'HDMI OUT' female port on the Receiver box to the HDMI destination display female port.
3. Connect a Cat 6 cable from the 'CAT 6' port to a port on the dedicated network switch
4. Turn on the power to the source equipment and connected display and wait a few seconds for the signal to synchronize.

Optional: Connect the IR Receiver extension cable (IR-R) to the female port of the Receiver. Place it in a location that has line-of-sight with a hand-held remote for the video source.

Troubleshooting Tips

- Check that both Extenders and the connected equipment have power. The green LED should be lit.
- Check that the correct video input is selected on the display.
- Check the video resolution settings of the video source and output displays to verify that they are compatible.
- Check the audio settings from the HDTV display menu or from the system settings of the computer to verify the audio output destination.
- Test each HDMI cable by connecting it directly with other equipment with HDMI.
- Verify that the network switch has power and is able to successfully connect other devices.
- Test the Cat 6 cable connections with a cable tester. Verify that the Cat 6 cable is terminated using the TIA/EIA 568-B wire termination.
- Sharp bending of the CAT 6 cable near the connector may reduce the bandwidth and cause video signal problems.
- The IR Receiver cable must have line of sight with the hand-held remote for the video source.
- Press the reset button for 10 seconds after making any changes to the connected equipment.

Contact support@cablematters.com with a description of your configuration including the model names of the connected equipment.

Technical Specifications: Model 103002-R**Extender Connections (Receiver)**

Audio Video	HDMI 19 pin female
Transmission	RJ45 female
IR Control	3.5mm female
Power	5V DC power input

Protocol Support

I/O Audio/Video Signals	HDMI 1.3b, DVI 1.1, DDC
Category 6 UTP/STP	TCP/IP 568-B
HDCP Compatibility	HDCP 1.1

Audio/Video Resolution Support

Interface (50&60 Hz)	480i, 576i, 1080i
Progressive (50&60 Hz)	480p, 576p, 720p, 1080p
VESA Displays	Up to 1080p
Audio Support	LCPM, DTS Digital, Dolby Digital

Transmission Characteristics

Category 6 UTP/STP	100m max for 1080p @ 60 Hz
Video Amplifier Bandwidth	225 MHz / 6.75 Gbps
IR Interface	Wideband 30 to 60 kHz

Mechanical (Transmitter and Receiver)

Size (L x W x H)	3.9 x 2.6 x 0.98 Inches
Weight	7.4 Ounces

Environmental

Operating Temperature	32°F to 104°F
Relative Humidity	20-90% (non-condensing)

AC Power Supply

US Standard 5V DC@1A, 5 Feet

Regulatory Approvals

Extender Units	FCC, C E, RoHS
Power Supply	UL, cUL, C E, FCC

Warranty

Limited One-Year

NOTE: Specifications are subject to change without notice.

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FCC Compliance Statement

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.

Warranty Information

This product is backed by a limited one-year warranty. In addition, Cable Matters warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replaced with equivalent products at our discretion. The warranty covers parts and labor costs only. Cable Matters does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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