

HDMI Extender

**Over single 50m/164ft UTP Cables with IR
Control**

Part Number: **hdmi-extender-cat5**



Operation Manual

I. Introduction

The HDMI extender over 1 UTP cables with IR control is the right way to send your HDMI signal over long distances. Instead of using expensive HDMI cables, this device lets you use your existing Cat5e/ 6 cables/sockets while also performing the same functions like transferring HDMI video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, all with a bandwidth up to 165MHz. And if that weren't enough, you can use your existing remote to control your device through an IR blaster.

II. Feature

1. Compliant with HDMI 1.3, HDCP 1.1 and DVI1.0 standards.
2. Supports digital video formats in 1080p and new lossless compressed (Dolby TrueHD, Dolby

Digital Plus and DTS-HD Master Audio) Digital audio.

3. Equalizes and recovers incoming TMDS data before re-transmitting it in high quality, regardless of the incoming signal quality.

4. Supports HDMI1.4 with 3D,ARC function.

5. Super IR control system, IR transport channel can be forward or backward.

6. Support HDMI loop out.

III. Package Contents

HDMI Transmitter	1pcs
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HDMI Receiver	1pcs
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5V/1A DC power adaptor	2pcs
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Operation Manual	1pcs
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Wideband IR Tx	2pcs
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Wideband IR Rx	2pcs
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IV. Specification

Transmitter Ports	2 × HDMI (Female type), 1x Cat5e/6, 2x3.5mm phone
Receiver Ports	1x HDMI (Female type), 1xRCA, 1x Cat5e/6, 2x3.5mm phone
Support Resolution	480i ~1080p50/60, VGA~UXGA
ESD Protection	Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
Power Supply	5 V/1A DC
Dimensions	65 mm (W) × 118mm (D) × 26mm (H)
Weight	410 g (TX+RX)
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
Storage Temperature	-20 °C ~ 60 °C/-4 °F ~140 °F

Relative Humidity	20~90 % RH (non-condensing)
Power Consumption	3.2W (Transmitter)
	2.2 w (Receiver)

V. Connect and Operate

Connect the signal source such as Blu-Ray Player, Play Station 3, audio/video receiver, or satellite receivers and computers equipped with HDMI output interfaces with a short high-speed HDMI cable to the HDMI Transmitter input. HDMI cable length should not exceed 16 ft.

Connect the HDMI Transmitter output RJ-45 ports using single Cat 5e or Cat 6 UTP cable to included Receiver. It is strongly recommended that factory terminated cable assemblies be used and their length shall not exceed 164 ft respectively for the extenders.

Connect the HDMI output from the Receiver to high-definition display devices such as HD-LCD, HD-DLP and HD projectors with HDMI input interfaces. Use high-speed HDMI cables that are recommended for the distances that are required for each connection. HDMI cable length should not

exceed 16 ft.

The source can be controlled from the display. This is accomplished by using an optional IR Receiver pigtail pointing away from the display, which can be connected to the receiver portion of the extender. The IR Transmitter pigtail is then connected to the Transmitter of the extender and pointed at the source.

VI. EDID control Table

The Splitter have 16 position to select EDID on rear panel. Refer to the appendix

EDID description.



Position	EDID Description
0	1080p, 2CH AUDIO

1	1080p, DOLBY/DTS 5.1
2	1080p, HD AUDIO
3	1080i, 2CH AUDIO
4	1080i, DOLBY/DTS 5.1
5	1080i, HD AUDIO
6	3D,1080p, 2CH AUDIO
7	3D, 1080p,DOLBY/DTS 5.1
8	3D,1080p, HD AUDIO
9	Copy EDID from the Transmitter HDMI loop out
A	Copy EDID from the Receiver HDMI out
B	1080p, 2CH AUDIO
C	1080p, 2CH AUDIO

D	1080p, 2CH AUDIO
E	1080p, 2CH AUDIO
F	1080p, 2CH AUDIO

VII. Connection Diagram



