

# **HDMI Extender**

**Over single 100m/328ft Coaxial Cables with**

**IR Control**

**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. Please keep this manual for future reference.

## **I. Introduction**

The HDMI extender over 1 coaxial cable 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 coaxial cables/sockets while also performing the same functions like transferring Deep Color (12 bits/color) video, all with a bandwidth up to 225MHz. And if that weren't enough, you can use your existing remote to control your device through an IR blaster.

## **II. Features**

1. Compliant with HDMI 1.3, HDCP 1.1 standards.
2. Supports digital video formats in Deep Color Mode at up to 36 bits (12bits/color) and 48KHz LPCM Digital audio.

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

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

### **III. Package**

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|---|------|
| 1. HDMI Transmitter                     | 1Pcs |
| 2. HDMI Receiver                        | 1Pcs |
| 3. IR Tx cable                          | 1Pcs |
| 4. IR Rx cable                          | 1Pcs |
| 5. 5V1A DC Power Supply Adaptor (2 Pcs) |      |
| 6. Product Manual                       |      |

### **IV. Specifications**

HDMI Transmitter ports	1 x HDMI, 1x IR Tx, 1xBNC
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HDMI Receiver ports	1 x HDMI, 1x IR Rx, 1xBNC
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Power Supply	2x 5V1A DC
ESD Protection Human body model	±8kV (air-gap discharge) , ±4kV (contact discharge)
Dimension	80mm x 41mm x 25 mm
Weight	150g
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)

## **V. Connect and Operate**

Connect the signal source such as Blu-Ray Player, Play Station 3, audio/video receiver, cable or satellite receivers 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 BNC ports using single RG6 coaxial cables to included

Receiver. It is strongly recommended that factory terminated cable assemblies be used and their length shall not exceed 328 ft respectively.

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. Application Example

