

User Manual

**ROLINE HDMI Extender and Splitter, 1x2, via Cat6A,
70m, 4K60Hz**

14.01.3643



Package Content



Main Unit TX&RX



Adapter x1



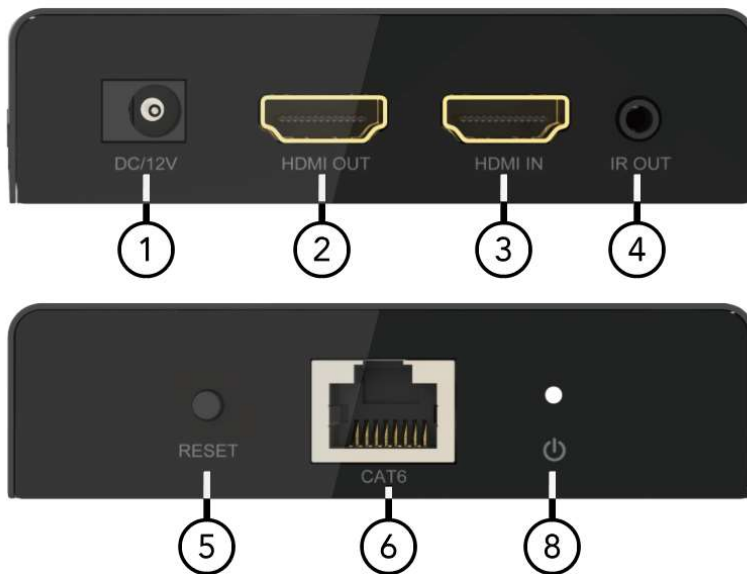
Mounting Ears x4



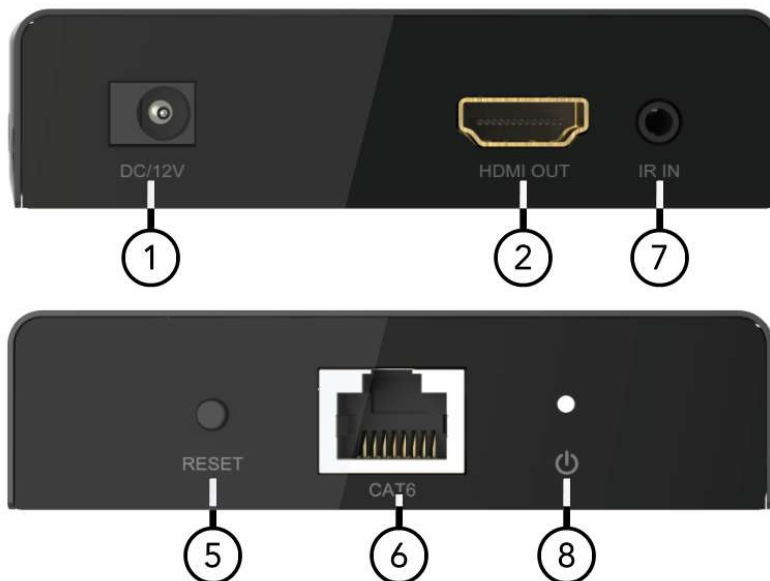
IR TX Cable x1, IR RX Cable x1

Ports and Interfaces

TX

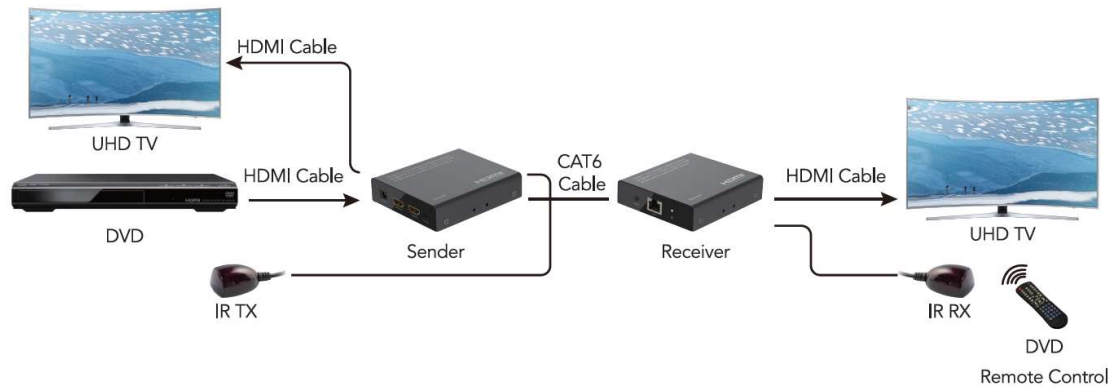


RX



1. DC 12V: DC 12V In
2. HDMI OUT: Connect to Output Devices via HDMI Male Output Port for local loop out
3. HDMI IN: Connect to Input Sources via HDMI Male Input Port
4. IR OUT: IR Signal Output Port
5. Reset: Short Click to Reset
6. CAT6: UTP Cable Connection Port
7. IR IN: IR Signal Input Port
8. Power: Power LED Indicator

Connection Diagram



Introduction

This HDMI™ 1x2 Splitter/Extender is an ideal device for local and remote viewing. It combines split and extension function. It distributes the input of the HDMI™ signal into the local and remote outputs simultaneously, perfect for point-to-point digital signage applications that require high quality HDMI™ video up to 4K@60Hz 4:4:4. Also, IR signals from remote controls can be transmitted, ideal for controlling your video source from your video destination. It features single ended power supply, enabling either the transmitter or receiver to be powered by a single 12V power supply.

Features

- Resolution up to 4K@60Hz YUV 4:4:4
 - HDCP 2.2 and HDCP 1.4
 - High Dynamic Range (HDR) video
 - EDID and HDCP bypass
 - Data transfer rate up to 6.0Gbps per channel (18Gbps all channels)
 - TMDS clock can be up to 600MHz
 - 12bit per channel (36bit all channels) deep color
 - Uncompressed audio such as LPCM
 - Compressed audio such as DTS, Dolby Digital
 - Single ended power supply feature, 12V power transmitted from sender to receiver
- Note: the product supports only the HDR10 and HLG High Dynamic Range (HDR) signal, and doesn't support the Dolby Vision High Dynamic Range (HDR) signal.

Specification

Input Port	HDMI x1, RJ45 x1, IR IN x1
Output Port	HDMI x1, HDMI Loop Out x1, RJ45 x1, IR OUT x1
Extensions Distance	70m (230 feet) for 4K@60Hz 4:4:4
Vertical Frequency Range	50/60Hz
IR Frequency Range	20-60KHz
Interlaced Resolutions (50&60Hz)	480i, 576i, 1080i
Progressive Resolutions (50&60Hz)	480p, 576p, 720p, 1080p, 4K@60Hz
Operating Temperature	0°C to 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 12V
Power Consumption (Max)	TX: 1.3W, RX: 1.6W
Extender Unit Cert	CE
Power Supply Cert	CE
Dimension (LxWxH)	100x88x23mm
Net Weight	TX: 201g, RX: 199g
Material	Metal

Note: Specifications are subject to change without notice.

Troubleshooting

Problems	Causes	Solutions
Non-power-connected/ all LEDs are off	Maybe the power supply is not connected well or the wrong power adapter is used.	Please check if the power supply is connected well and the output voltage value is correct, as recommended
No sound or sound issues	Maybe the HDMI connection is not functioning, the audio format is not supported by the displays or the source player is set another port to output audio	Please check if the HDMI and UTP connections are well, or change to another good quality HDMI 2.0 or UTP cable (CAT6 or better is recommended).
No picture or picture flickers	Maybe the HDMI cable quality or the UTP cable quality is not good enough or not connected well	Please check if the HDMI and UTP connections are well, or change to another good quality HDMI 2.0 or UTP cable (CAT6 or better is recommended).



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