



**4K@60Hz 1x2 HDMI™
Extender Splitter (Loop)
- 230ft (Cat6)**

USER MANUAL

UHD12-EX230-K

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Table of Contents

Introduction	04
Features & Package Contents	05
Specifications	06
Operation Controls & Functions	08
Application Example	10
FAQs & Troubleshooting	11

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.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the service life of your equipment.

Please activate your warranty by registering our product through the link below - www.orei.com/register

Technical Support

Need Help?

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 5 p.m.

Central Time **Support Email** - info@orei.com | **Support Number** - 877-290-5530

Introduction

The UHD12-EX230-K HDMI Extender Splitter transmits media up to 230ft at 4K resolution over CAT6/7 cables. It is HDCP 2.2 compliant, featuring an 18Gbps video bandwidth. Extend media up to 230ft/70m at 4K@60Hz with an HDMI loop output on the Transmitter to connect a display near the source. Power over cable technology streamlines installation by requiring just one power adapter, which connects to the Transmitter. Its compact design makes it suitable for both personal and commercial setups.



Features & Package Contents

1. HDCP 2.2 compliant
2. Video resolutions up to 4K@60Hz
3. 18Gbps video bandwidth
4. Extend media up to 230ft/70m at 4K@60Hz
5. Loop output to connect a local display
6. Power over Cable technology; only requires power adapter at the Transmitter end
7. Plug and play setup
8. Compact design for easy installation

Package Contents

1.	UHD12-EX230-K Transmitter	1pcs
2.	UHD12-EX230-K Receiver	2pcs
3.	IR Receiver Cable	2pcs
4.	IR Blaster Cable	1pcs
5.	Power Adapter	1pcs
6.	User Manual	1pcs

Specifications

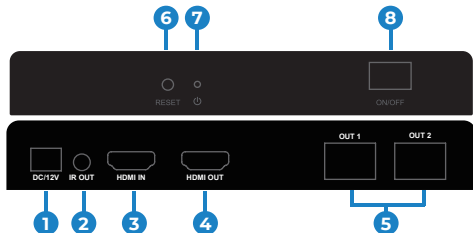
Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	4K@60Hz
Color Space	YCbCr 4:4:4/YCbCr 4:2:2/YCbCr 4:2:0/RGB
Color Depth	12-bit
Audio Formats	Uncompressed: LPCM Compressed: DTS, Dolby Digital
HDR	Supported
Connection	
Transmitter	Input: 1 x HDMI [Type A, 19-pin female] 1 x DC 12V [For Power] Output: 1 x HDMI [Type A, 19-pin female] 2 x CAT [RJ45] Control: 1 x IR OUT [3.5mm Jack]
Receiver	Input: 1 x CAT [RJ45] 1 x DC 12V [For Power] Output: 1 x HDMI [Type A, 19-pin female] Control: 1 x IR IN [3.5mm Jack]

Specifications

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter L: 154mm / 6.06in W: 70mm / 2.75in H: 23mm / 0.90in Receiver L: 100mm / 3.93in W: 88mm / 3.46in H: 23mm / 0.90in
Weight	Transmitter: 263g / 9.27oz Receiver: 199g / 7.01oz
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption	12W (Max)
Operating Temperature	0° ~ 70°C / 32°F ~ 158°F
Relative Humidity	5 ~ 90% RH (non-condensing)

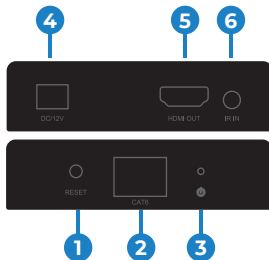
Operation Controls and Functions

Transmitter



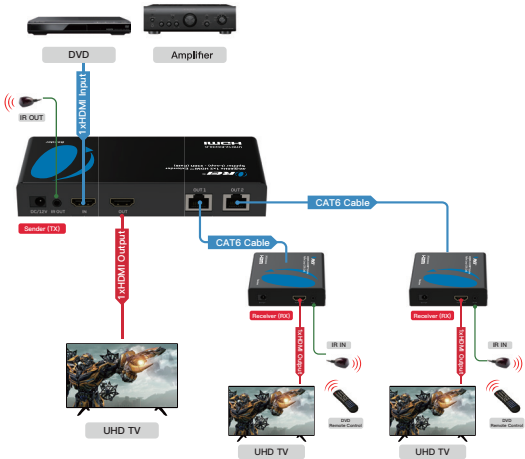
No.	Name	Function Description
1.	DC 12V	Connect the included power adapter
2.	IR OUT	Connect the included IR Blaster cable
3.	HDMI IN	Connect a media device such as DVD Player, streaming device, etc.
4.	HDMI OUT	Connect a display device such as TV, Monitor, etc.
5.	CAT 6	Connect a CAT6/7 cable. The other end connects to the Receivers.
6.	Reset	Click to Reset the Transmitter
7.	Power	Power Indicator
8.	ON/OFF	Switch to turn the Transmitter on/off

Receiver



No.	Name	Function Description
1.	Reset	Click to Reset the Receiver
2.	CAT 6	Connect a CAT6/7 cable. The other end connects to the Transmitter.
3.	Power	Power Indicator
4.	DC 12V	Connect a power adapter. (NOTE: This model supports power over cable, so the Receivers do not need power separately.)
5.	HDMI OUT	Connect a display device such as TV, Monitor, etc.
6.	IR IN	Connect the included IR Receiver cable

Application Example



FAQs & Troubleshooting

1. No Output

Try a lower resolution from the source device

Try changing the CAT cables or HDMI cables

Check if the HDMI OUT on the Transmitter is also having the same issue

2. Can I use this to extend my PC display to multiple locations?

You can use this device to duplicate your PC screen to multiple locations.
However, it will not extend them

3. How do I use the IR feature?

Scan the QR code to learn more about the IR feature:



Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on the website.

Our team will be more than happy to help you.



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