



**USB-C to HDMI Extender
over CAT6 up to 100ft at 4K
120Hz**

USER MANUAL

BK-EX100C-K

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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

Or

Chat Live on www.orei.com

Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

Introduction

The BK-EX100C-K is a USB C to HDMI Extender that transmits media signals from your laptop or PC to a distant HDMI display. It supports video resolutions up to 4K@120Hz and extends the signal up to 100 feet over a CAT 6/7 cable. Compliant with HDMI 2.1 and HDCP 2.3, it offers a 32Gbps video bandwidth and supports HDR, DSC 1.2a, and DP 1.4 Alt Mode. This extender handles uncompressed LPCM audio and compressed Dolby and DTS audio, including Dolby TrueHD and DTS HD Master Audio. No drivers or software are needed, making it ideal for both home and commercial setups.



Features & Package Contents

1. HDMI 2.1 and HDCP 2.3 compliant
2. Video resolutions up to 4K@120Hz
3. 32Gbps video bandwidth
4. Extend the signal up to 100 feet over a CAT 6/7 cable
5. HDR support
6. DSC (Digital Stream Conversion) 1.2a support
7. DP 1.4 Alt Mode support
8. Uncompressed LPCM audio and compressed DTS and Dolby Digital including Dolby TrueHD and DTS-HD Master Audio
9. No drivers or software needed

Package Contents

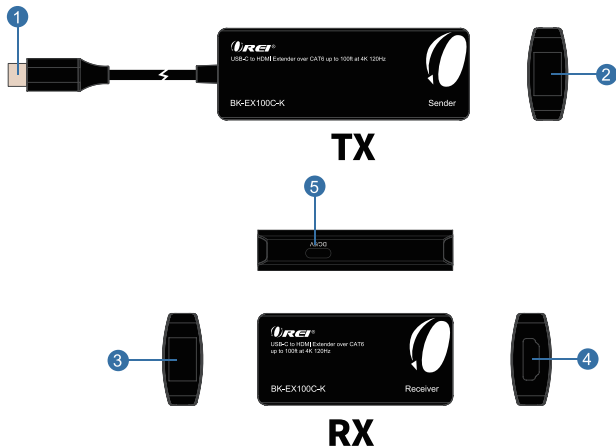
1.	BK-EX100C-K	1pcs
2.	USB-A to USB-C Power Cable	1pcs
3.	User Manual	1pcs

Specifications

Technical	
HDCP Compliance	HDCP 2.3
HDMI Compliance	HDMI 2.1
Video Bandwidth	8Gbps per channel (32Gbps all channels)
Video Resolution	480p,576p,720p,1080p,4K@60Hz/120Hz
Color Space	4:4:4/4:2:2/4:2:0
Color Depth	8/10/12 bit
Audio Formats	LPCM/DTS/Dolby Digital/DTS-HD Master Audio™ / Dolby TrueHD
HDR	HDR10
ESD Protection	Contact discharge (±4KV), air discharge (±8kv),Implementation of the standard: IEC61000-4-2
Connection	
Transmitter	Input: 1x USB C [Male] Output: 1x CAT [RJ45, 8-pin female]
Receiver	Input: 1x CAT [RJ45, 8-pin female] Output: 1x HDMI [Type A, 19-pin female]

Mechanical	
Housing	Aluminium Alloy + ABS
Color	Black
Dimensions	Transmitter: L: 93.4mm / 3.67in W: 34mm / 1.33in H: 15mm / 0.59in Receiver: L: 72.5mm / 2.85in W: 34mm / 1.33in H: 15mm / 0.59in
Weight	156g / 5.5oz
Power Supply	FCC, CE, RoHS
Power Consumption	TX: 4W, RX: 3.5W
Operation Temperature	0°C ~ 50°C / 32°F ~ 122°F
Storage Temperature	-10°C to 60°C
Relative Humidity	5% to 90% RH non-condensation

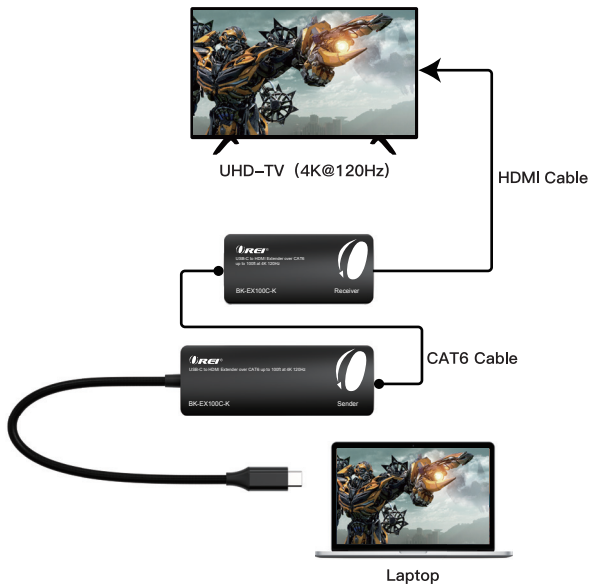
Operation Control & Functions



Operation Control & Functions

No.	Name	Function Description
1.	USB-C	Connect a Laptop or PC with a USB C port
2.	RJ45 OUT	Connect a CAT 6/7 cable. The other end connects to the Receiver.
3.	RJ45 IN	Connect a CAT 6/7 cable. The other end connects to the Transmitter.
4.	HDMI OUT	Connect a display device such as a TV or Projector.
5.	DC/5V	DC 5V USB-C Power Input Port

Application Example



1. Video keeps flickering or no video

Try changing the CAT cable
Try changing the HDMI cable
Try lowering the resolution from the laptop or PC

2. The display does not get audio

Try changing the audio format from the laptop or PC
Try changing the CAT cable
Most laptops output audio from the laptop speakers only. You can change this in the audio output settings

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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