



**SplitXtend™ USB 3.0 to Quad
HDMI Display Adapter**

USER MANUAL

SX-4C4K1080

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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. Keep this manual for future reference.

Important Safety Note – Surge Protection Recommended

This product contains sensitive electronic components that may be damaged by electrical spikes, surges, lightning strikes, or static discharge. To protect and extend the service life of your equipment, we strongly recommend using a surge protection device.

Warranty Registration

Activate your warranty by registering your product at:

 www.orei.com/register

Need Technical Support? We're Here to Help.

Our experienced Technical Support Team is available to answer your questions, offer expert advice, and help troubleshoot any issues to keep your project on track—on time and on budget.

Live Support Hours (US/Canada/Mexico):

 Monday–Friday | 9:00 a.m. – 5:00 p.m. Central Time

Contact Us:

 Email: info@orei.com

 Phone: 877-290-5530

 Chat Live: www.orei.com

Send us an instant message—our team typically responds within moments during live support hours.

Safety Instructions

Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.

The **SX-4C4K1080** is a high-performance multi-display solution designed to expand a single USB-A or USB-C connection into four **HDMI outputs**. Compatible with **USB 3.0, USB-C, Thunderbolt™ 3/4, and USB4** hosts, it enables users to create an extended or mirrored desktop across multiple displays for enhanced productivity. Supporting **up to two 4K@30Hz displays and two 1080p@60Hz displays**, it is ideal for business professionals, digital signage, financial trading, education, and content creation applications.

Designed for maximum flexibility, the adapter supports **Mirror, Extend, Rotation, and Clamshell modes**, allowing users to customize their workspace based on their workflow. A unique **One-Key Screen On/Off** function enables users to instantly enable or disable groups of displays for enhanced privacy during meetings, presentations, or sensitive work without disconnecting monitors.

Powered by advanced display technology, the adapter supports multiple video decoding formats including **H.264, H.263, MP4, MP2, DivX, AVS, JPEG**, and more for smooth multimedia playback. It also supports multi-monitor expansion of up to eight displays on Windows and up to four displays on macOS (when using multiple adapters), making it an ideal solution for demanding multi-screen environments.



Features

- 1. Quad HDMI Display Adapter** – Connects one USB-A or USB-C host to four HDMI displays
- 2. Dual 4K & Dual Full HD Output** – Supports **two displays up to 4K@30Hz** and **two displays up to 1080p@60Hz**
- 3. One-Key Screen On/Off Function** – Instantly enable or disable each pair of HDMI outputs for added privacy and presentation control
- 4. Multiple Display Modes** – Supports Mirror, Extend, Rotation, and Clamshell display modes
- 5. Wide Host Compatibility** – Works with **USB 3.0, USB-C, Thunderbolt™ 3/4, and USB4** enabled computers
- 6. Advanced Video Decoding** – Supports H.264, H.263, MP4, MP2, DivX, AVS, JPEG, and additional multimedia formats
- 7. Multi-Monitor Expansion** – Supports up to **8 external displays on Windows** and **4 external displays on macOS** (using multiple compatible adapters)
- 8. Plug-and-Play Installation** – Simple setup with broad compatibility across modern operating systems
- 9. Ideal for Professional Workspaces** – Perfect for offices, digital signage, trading stations, conference rooms, classrooms, and multimedia applications
- 10. Compact Desktop Design** – Lightweight and portable for flexible deployment in home or office environments.

System Requirements

To ensure proper installation and operation of this product, please ensure that your system meets the following requirements:

- Windows 7/8/8.1/10 and above or Mac OS 10.10.x and above.
- CPU Processor: Core i5 and above.
- RAM: 4GB and above.
- Monitor: Supports 4K resolution.

Package Contents

1.	SX-4C4K1080	1 pcs
2.	USB Power Adapter	1 pcs
3.	USB C Power Cable	1 pcs
4.	User manual	1 pcs

Driver Installation

Enter the website: www.siliconmotion.com/downloads/, and download the correct driver zip file as follow:



SM76x Driver Download

Windows

OS Description	Version	Release Date	Release Notes	Download
Windows 11, Windows 10, Windows 7, Windows 8.1 Driver	V2.14.001	Jan 3, 2023	Release Notes	Download

macOS

OS Description	Version	Release Date	Release Notes	Download
Recommended: InstantView display application with OS Support macOS 13 Ventura, 12 Monterey, 11 Big Sur and 10.15 Catalina including MacBook Air (M1/M2) & Intel powered	V3.14.004	Jan 3, 2023	Release Notes	Download
Legacy Display Driver for macOS 10.15 Catalina, 10.14 Mojave and 10.13 High Sierra	V2.2.16.0	Jun 3, 2021	Release Notes	Download
Legacy Display Driver for macOS 10.10, 10.11 and 10.12	V2.1.4.0201	Dec 12, 2019	Release Notes	Download

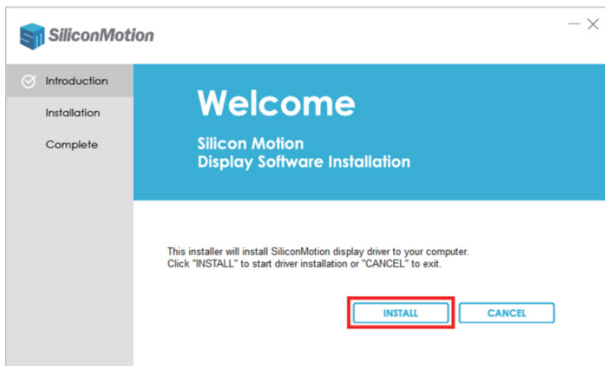
Android

OS Description	Version	Release Date	Release Notes	Download
Android 7.1 and above	V2.14.0.0	Jan 18, 2023	Release Notes	Download

[Download](#)

For windows

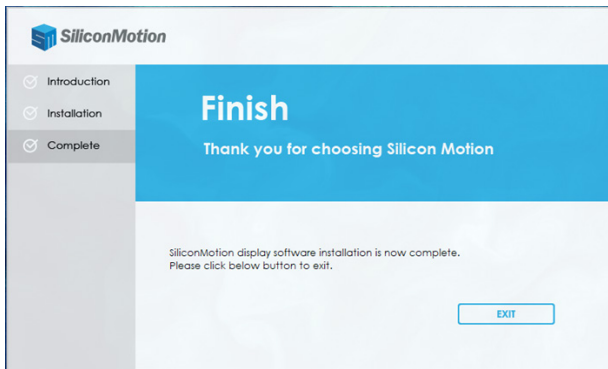
1. Unzip the driver file, and double click to open the “.exe” file, and then click the “INSTALL”



Note: If a security prompt pop-up appears, click “INSTALL”

Driver Installation

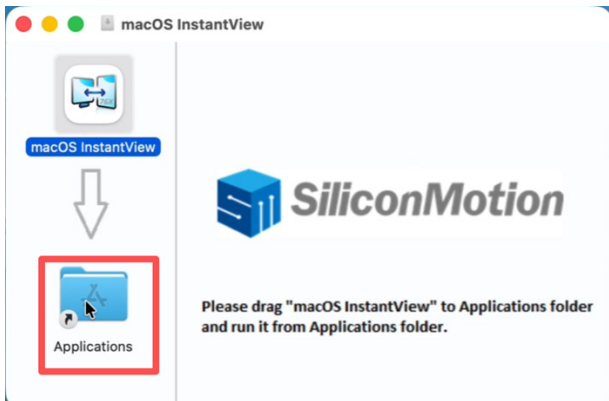
2. After installation, click “Exit” and re-plug the product to the computer



Note: If a security prompt pop-up appears, click “INSTALL”

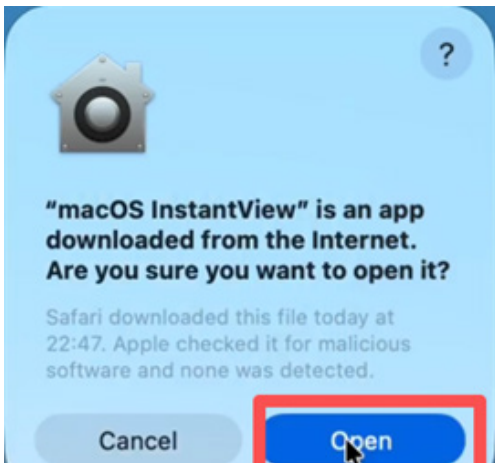
For macOS

1. After downloading the driver, click on it and you will be prompted to put it in the Applications folder. Drag the "macOS InstantView" software into the "Applications" folder.

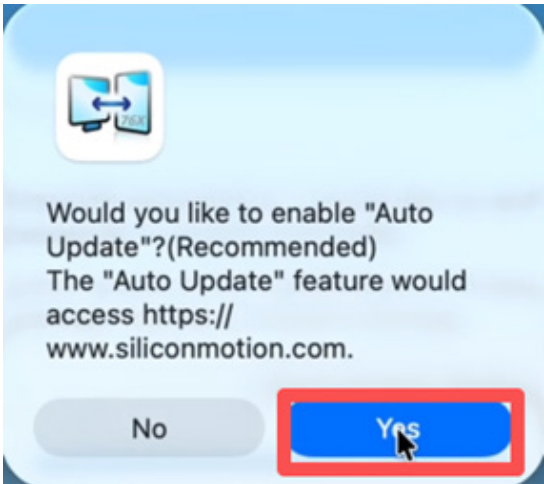


Driver Installation

2. In the “Applications” folder, click to open the “macOS Instant-View” file that you dragged in. You will be prompted whether you want to open the application downloaded from the Internet. Select “Open”.

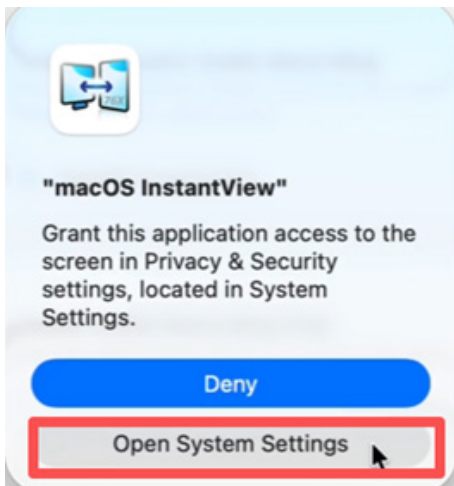


3. After opening the app, you will be prompted whether to enable the automatic update function. Select "Yes" and you will be prompted to upgrade when the latest version is released.

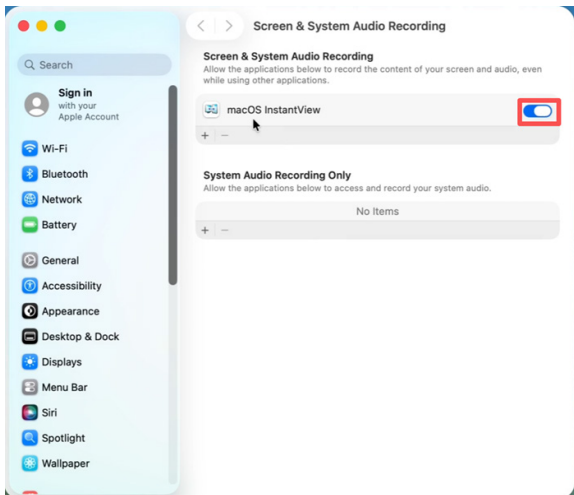


Driver Installation

4. A prompt will appear asking you to go to "System Settings" and then to "Privacy and Security" to enable screen access permissions for the application. Select "Open System Settings".

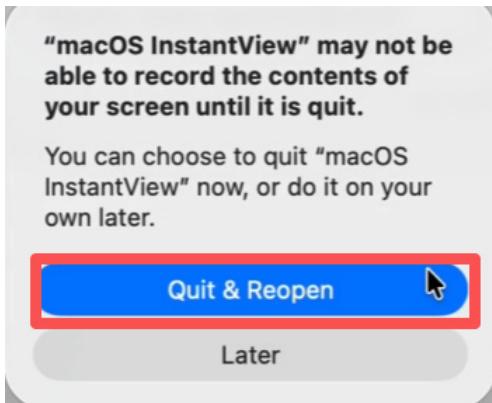


5. Enable the “Screen Recording and Audio Recording” permission function in the “MacOS InstantView” software.



Driver Installation

6. After enabling, a message will appear saying “macOS InstantView” requires you to exit and restart before it can connect and display normally. Select “Quit & Reopen”.

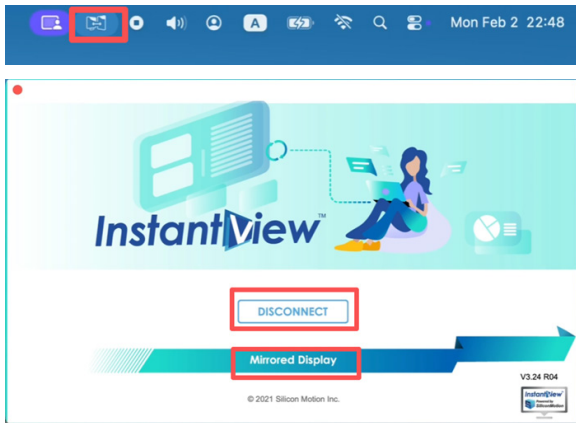


7. The software has been installed. After inserting the converter for the first time, you will be prompted with "Allow accessory connection?" Select "Allow". No further prompts will appear.



Driver Installation

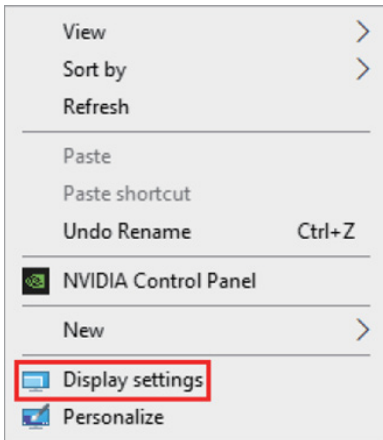
8. After granting permission, the macOS InstantView icon will appear in the top right corner of the screen's menu bar. Double-click the icon to open the software, and you can then connect or disconnect external displays and mirrors or extended displays.



Display Mode Setting

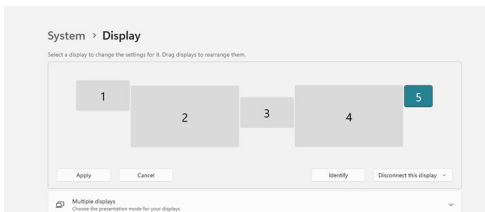
For Windows

1. Right click the blank space on the desktop and select "Display settings"

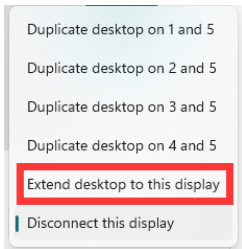


Display Mode Setting

2. At the “Display” area, click each of the display icons to set the needed resolution or other setting



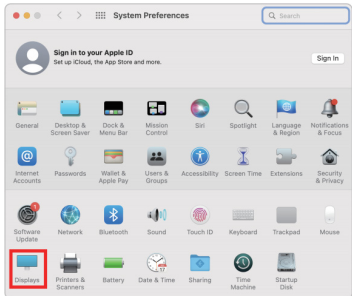
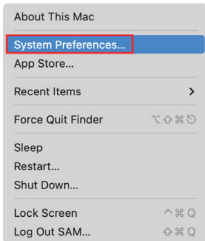
3. Scroll down to “multi display settings” and select the desired mode in the drop-down list



Display Mode Setting

For macOS

1. Left click the apple icon and select “System Preferences”, and click the “Displays”

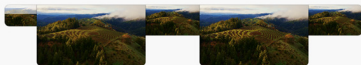


Display Mode Setting

2. At the “Arrange Display” area, click each of the display icons to set the location

Arrange Displays

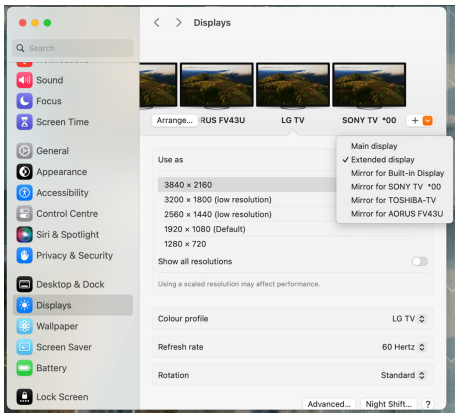
To rearrange displays, drag them to the desired position. To mirror displays, hold Option while dragging them on top of each other. To relocate the menu bar, drag it to a different display.



Done

Display Mode Setting

3. Click the “Display Setting”, and choose each connected display to set correct resolution or change to the mirror or extend mode



Supported Resolutions

	1080p Port	4K Port
Windows	1920x1080@60Hz	3840x2160@30Hz
	1680x1050@60Hz	2560x1440@60Hz
	1600x1200@60Hz	1920x1080@60Hz
	1600x900@60Hz	1680x1050@60Hz
	1440x1050@60Hz	1600x1200@60Hz
	1440x900@60Hz	1600x900@60Hz
	1280x1024@60Hz	1440x1050@60Hz
	1280x800@60Hz	1440x900@60Hz
	1280x720@60Hz	1280x1024@60Hz
	1152x864@60Hz	1280x800@60Hz
	1024x768@60Hz	1280x720@60Hz
	800x600@60Hz	1152x864@60Hz
	720x480@60Hz	1024x768@60Hz
	640x480@60Hz	800x600@60Hz
	/	720x480@60Hz
	/	640x480@60Hz

Supported Resolutions

		1080p Port	4K Port
Mac OS		1920x1080@60Hz	3840x2160@30Hz
		1920x1080@30Hz	2560x1440@60Hz
		1600x900@60Hz	1920x1080@60Hz
		1280x720@60Hz	1920x1080@30Hz
		/	1600x900@60Hz
		/	1280x720@60Hz

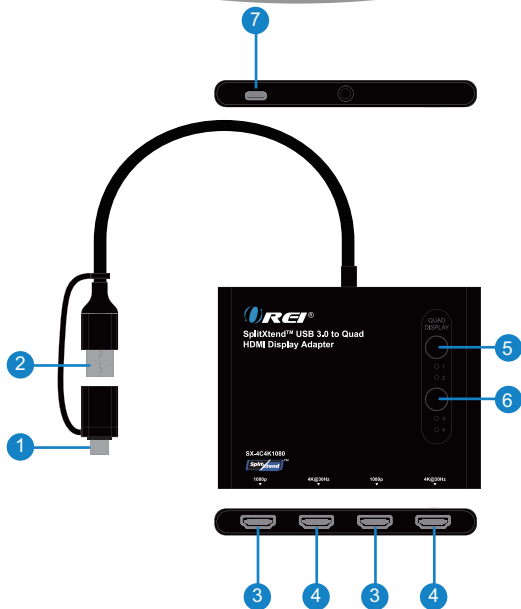
OS		1080p Port	4K Port
Windows	Mirror mode	1920x1080@60Hz	1920x1080@60Hz
	Extend mode	1920x1080@60Hz	3840x2160@30Hz
Mac OS	Mirror mode	1920x1080@60Hz	3840x2160@30Hz
	Extend mode	1920x1080@60Hz	3840x2160@30Hz

Specifications

Technical	
HDMI Compliance	HDMI 1.4
USB data rate(Max)	5Gbps
Data Transmission Standard	USB 3.0 (USB 3.1 GEN 1)
Video Resolution	4K@30Hz, 1080p@60Hz
Color Space	4:4:4
Color Depth	8/10/12 bit
Audio Formats	LPCM 2.0
HDR	Not supported
ESD Protection	Contact discharge (±4KV), air discharge (±8kv),Implementation of the standard: IEC61000-4-2
Connection	
Input	1 × USB [Type A/C, Male]
Output	4 × HDMI [Type A, 19-pin female]

Mechanical	
Housing	Aluminium Alloy + ABS
Color	Black
Dimensions	L: 117mm / 4.60in W: 90.5mm / 3.56in H: 12mm / 0.47in
Weight	305g / 10.75oz
Power Supply	FCC, CE, RoHS
Power Consumption	6W
Operation Temperature	0°C ~ 60°C / 32°F ~ 140°F
Storage Temperature	-10°C to 70°C
Relative Humidity	5% to 90% RH non-condensation

Operation Control & Functions



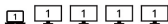
Operation Control & Functions

No.	Name	Function Description
1.	USB C	Connect to the USB-C Enable Laptop/Notebook with USB3.0 Data Output
2.	USB A	Connect to the USB 3.0 Data Port of the PC/ Laptop/ Notebook/USB 3.0 Hub
3.	OUT1/OUT3	Connect the Port to Output Resolution up to 1080p Max
4.	OUT2/OUT4	Connect the Original Port to Output Resolution up to 4K@30Hz Max
5.	Button	One Key On/off Screen Function Button for OUT1 and OUT2 Screen On/off
6.	Button	One Key On/off Screen Function Button for OUT3 and OUT4Screen On/off
7.	USB C	Connect to the 5V Power Supply via USB-C Power Cable

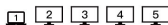
Application Example

Mirror Mode & Extended Mode

on both Windows & Mac OS



Mirror Mode



Extend Mode

Q: My USB 3.0 to HDMI Quad Display Adapter is not working. What should I do?

A: First, please check the following items:

1. Ensure that your device's USB power port is connected with the power charger.
2. Check if the correct drivers have been installed on your device.
3. Make sure that your HDMI cable and adapter are securely connected to your device.
4. Verify that your video source is compatible with the adapter.
5. Restart your device and see if this resolves the issue.
6. The device is not compatible with Chromebook and iOS systems.
7. Playback of video content protected by HDCP is not supported.
8. If a yellow exclamation mark appears when connecting via USB, you need to update the USB driver online.

FAQs & Troubleshooting

Q: One of my displays flickers when I use the adapter. What could be causing this?

A: This may be caused by one or more of the following:

1. Make sure the HDMI cable and adapter are securely connected.
2. Try using a different HDMI cable to see if this resolves the issue, The maximum supported length for this HDMI cable is 5 meters at 1080p resolution, while at 4K@30Hz it is reduced to 3 meters
3. Check that your device's USB power port is connected with the power charger.
4. Verify that your video source is compatible with the adapter.
5. Try using a different USB 3.0 port or restarting your device.
6. Try to change the flicker display's resolution to 1080p@60Hz or 4K30Hz which the product supported
7. Try to change to another HDMI port of the flicker display or the product to fix the issue
8. The product's chip processing will generate continuous heat, so it should not be used in places with high temperatures and slow heat dissipation.

**Q: The adapter is not displaying video on one of my monitor.
How can I fix this?**

A: Please check the following items:

1. Ensure that your HDMI cable and adapter are securely connected.
2. Verify that your video source is compatible with the adapter.
3. Check the driver version for the adapter, and make sure it is up-to-date.
4. Make sure your device's USB power port is connected with the power charger.
5. Try using a different USB 3.0 port or restart your device.
6. When connected individually with a single output, the image works normally; however, when connected to two display devices simultaneously, only one of them outputs an image.

Solution:

1. Therefore, it is temporarily recommended to lower the resolution of the monitor that is not outputting a screen to 2K@60Hz to output a screen.
2. Since its 4K@30Hz resolution is not currently included in the device compatibility whitelist, please provide the monitor's EDID file; it will be supported after the adaptation is added in the future.

FAQs & Troubleshooting

Q: The adapter is very laggy and not smooth to use. How can I fix this?

A: Please check the following items:

1. Check the driver version for the adapter, and make sure it is up-to-date.
2. The product is recommend to use in enterprises and office settings, Ideal for web and productivity software. Not recommended for gaming, graphics-intensive or design work.
3. Try using a different USB 3.0 port or restart your device.
4. It is necessary to confirm whether the identified active output resolution matches the product's output resolution.

Q: The adapter feels warm during use. Is this normal?

A: Yes. It is normal for the adapter to generate some heat during operation, as the internal chipset continuously processes the video signal. This does not indicate a malfunction. However, avoid using the adapter in high-temperature environments or areas with poor ventilation, and ensure adequate airflow around the device for proper heat dissipation.

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.

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



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