



**4K SplitXtend™
3-Displays (PD 100W)**

USER MANUAL

SX-2C4K-D100W

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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

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 SplitXtend™ SX-2C4K-D100W HDMI Splitter Extender Adapter expands your workspace by adding three additional displays alongside your primary screen. It offers 3 HDMI outputs with maximum resolutions of 4K@60Hz, 4K@30Hz, and 1080p@60Hz. Compatible with both Windows and MacOS laptops, it features 2 USB-A (3.0) ports, 1 USB-C 3.0 port for peripherals, and a full-size SD and Micro SD card reader. Additionally, it includes a USB-C PD port supporting 100W fast charging to power your laptop while in use. This adapter is perfect for professionals looking to boost productivity across various work environments.



Features

1. USB 3.0 compliant
2. 3 HDMI outputs supporting 4K@60Hz, 4K@30Hz and 1080p@60Hz each respectively
3. Mirror or Extend displays for multitasking
4. Compatible with Windows and MacOS
5. 2x USB-A, 1x USB-C 3.0 ports to connect various peripherals
6. Full size SD and Micro SD card reader
7. PD 100W to fast charge your laptop while using the adapter
8. NOTE: Driver installation required. HDMI 1 (4K@60Hz) will only work if your laptop has a USB-C port that supports DP ALT MODE.
9. Ideal for general productivity

Minimum system requirements:

Windows 7/8/8.1/10/11 and above or Mac OS 10.10.x and above.

Android 7.1 and above(Android devices only support mirroring mode with resolutions up to 1080P).

CPU Processor: Core i5 and above.

RAM: 4GB and above.

Package Contents

Note: If you connect to the laptop through the USB-A port, then high power USB peripherals like SSD or HDD will not work due to the power limitation of USB-A. In this situation, you can connect a power supply (not included) to the PD port on the adapter to make the SSD or HDD work. In this situation, the laptop will not be charged and the HDMI 1 which requires DP ALT Mode will not work.

Package Contents

1.	SX-2C4K-D100W	1 pcs
2.	User manual	1 pcs

Resolutions

OS/Ports		HDMI 2 1080p Port	HDMI 3 4K30Hz Port	HDMI 1 4K60Hz Port (USB-C DP alt)
Windows	Mirror mode	1920x1080@60Hz	1920x1080@60Hz	3840x2160@60Hz
	Extend mode	1920x1080@60Hz	3840x2160@30Hz	3840x2160@60Hz
Mac OS	Mirror mode	1920x1080@60Hz	3840x2160@30Hz	3840x2160@60Hz
	Extend mode	1920x1080@60Hz	3840x2160@30Hz	3840x2160@60Hz

Driver Installation

Visit: www.siliconmotion.com/downloads/ and download the correct driver as per your operating system:



SM76x Driver Download

Windows

OS Description	Version	Release Date	Release Notes	Download
Windows 11, Windows 10, Windows 7, Windows 8.1 Driver	V2.14.R01	Jan 3, 2023	Release Notes	Download

macOS

OS Description	Version	Release Date	Release Notes	Download
Recommended: InstantView display application with UE. Support macOS 13 Ventura, 12 Monterey, 11 Big Sur and 10.15 Catalina including MacBook Air/Pro (M1/M2 & Intel powered)	V3.14.R04	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	V2.1.4.0.201	Dec 12, 2019	Release Notes	Download

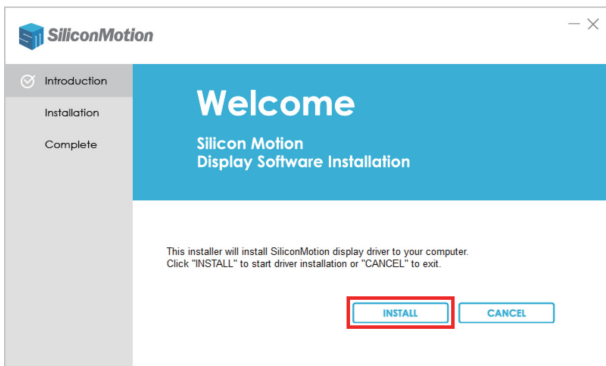
Android

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

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Driver Installation

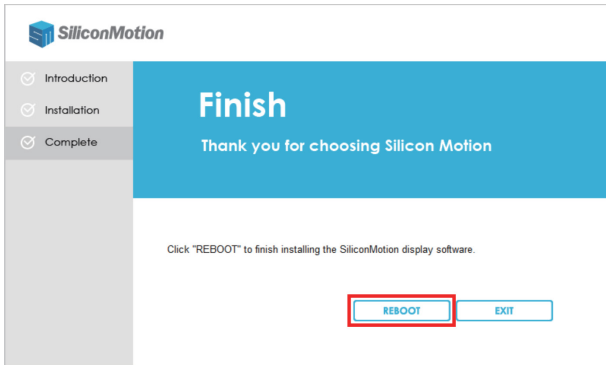
1. Unzip the file, and double click to open the “.exe” file, and then click “INSTALL”



If a security prompt appears, click “Run Anyway”

Driver Installation

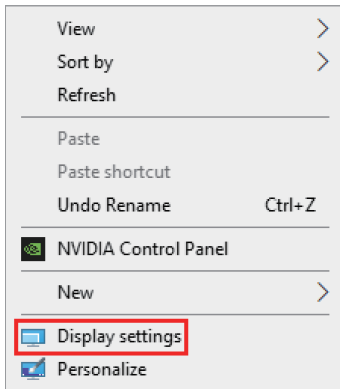
2. After installation, click "REBOOT" to restart the computer



Display Mode Setting

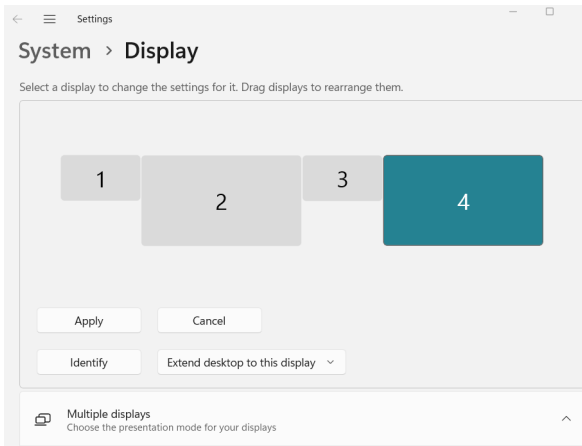
For Windows

1. Right click on the desktop and select “Display settings”



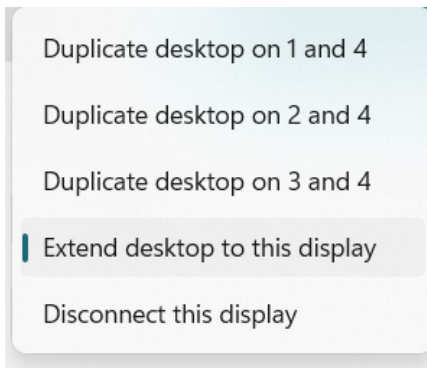
Display Mode Setting

2. Under Display Settings, you can select each display and set the needed resolution and change other settings.



Display Mode Setting

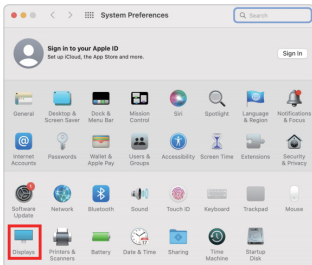
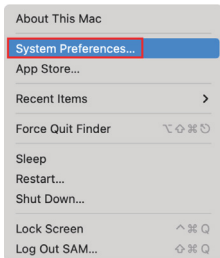
3. Click on the dropdown next to "Identify" and set the desired mode for the display - Extend or Duplicate.



Display Mode Setting

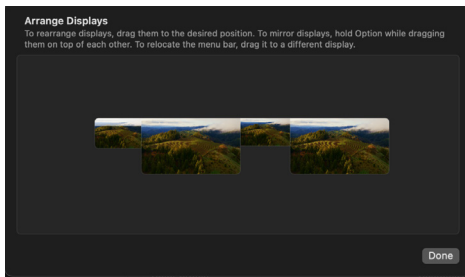
For Mac OS

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



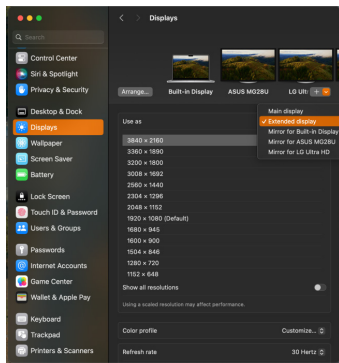
Display Mode Setting

2. Under the “Arrange Display” settings, you can move the displays around to match the real world location.



Display Mode Setting

3. In Settings, go to “Displays”, and choose each connected display to set its resolution or change to Duplicate or Extend mode



Note

- Please note that MacOS devices do not support rotation mode. M1/M2 Mac support clamshell mode while Intel Macs do not.
- To use this adapter, your laptop should have a USB-A/C 3.0 port or a Thunderbolt 3/4 port.
- Displays connected to HDMI 2/3 port will not support playback of HDCP content from websites like Netflix or Hulu. The HDMI 1 port, which is connected to a DP ALT MODE USB-C port, does support this.

Supported Resolutions

	HDMI 2 1080p Port	HDMI 3 4K30Hz Port	HDMI 1 4K60Hz Port (USB-C DP ALT)
Windows	1920x1080@60Hz	3840x2160@30Hz	3840x2160@60Hz
	1680x1050@60Hz	2560x1440@60Hz	2560x1440@60Hz
	1600x1200@60Hz	1920x1080@60Hz	1920x1080@60Hz
	1600x900@60Hz	1680x1050@60Hz	1680x1050@60Hz
	1440x1050@60Hz	1600x1200@60Hz	1600x1200@60Hz
	1440x900@60Hz	1600x900@60Hz	1600x900@60Hz
	1280x1024@60Hz	1440x1050@60Hz	1440x1050@60Hz
	1280x800@60Hz	1440x900@60Hz	1440x900@60Hz
	1280x720@60Hz	1280x1024@60Hz	1280x1024@60Hz
	1152x864@60Hz	1280x800@60Hz	1280x800@60Hz
	1024x768@60Hz	1280x720@60Hz	1280x720@60Hz
	800x600@60Hz	1152x864@60Hz	1152x864@60Hz
	720x480@60Hz	1024x768@60Hz	1024x768@60Hz
	640x480@60Hz	800x600@60Hz	800x600@60Hz
	/	720x480@60Hz	720x480@60Hz
	/	640x480@60Hz	640x480@60Hz

Supported Resolutions

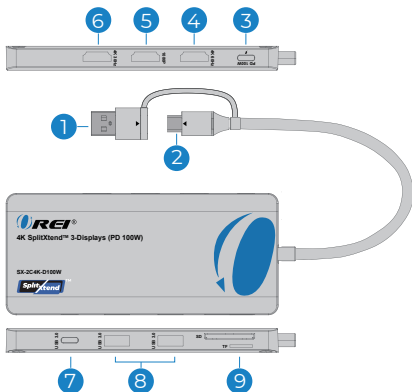
	HDMI 2 1080p Port	HDMI 3 4K30Hz Port	HDMI 1 4K60Hz Port (USB-C DP alt)
Mac OS	1920x1080@60Hz	3840x2160@30Hz	3840x2160@60Hz
	1920x1080@30Hz	2560x1440@60Hz	2560x1440@60Hz
	1600x900@60Hz	1920x1080@60Hz	1920x1080@60Hz
	1280x720@60Hz	1920x1080@30Hz	1920x1080@30Hz
	/	1600x900@60Hz	1600x900@60Hz
	/	1280x720@60Hz	1280x720@60Hz

Technical	
HDMI Compliance	HDMI 2.0
Data Transmission Rate (Max)	5Gbps
Data Transmission Standard	USB 3.0 (USB 3.1/3.2 GEN 1)
Video Bandwidth	6Gbps per channel (18Gbps all channels)
Video Resolution	HDMI 1: 4K@60Hz, HDMI 2: 1080p@60Hz, HDMI 3: 4K@30Hz
Color Space	4:4:4/4:2:2/4:2:0/ RGB
Color Depth	8/10/12 bit
Audio Formats	LPCM 2.0
HDR	Not supported
ESD Protection	Contact discharge ($\pm 4\text{KV}$), air discharge ($\pm 8\text{kv}$), Implementation of the standard: IEC61000-4-2
Connection	
Input	1 × USB 3.0 [Type A/C, Male] 1 × USB PD [Type C, Female] 1 × TF (Micro-SD) [Card Reader] 1 × SD [Card Reader]
Output	3× HDMI [Type A, 19-pin Female]
Control	1 × USB 3.0 [Type C, Female] 2 × USB 3.0 [Type A, Female]

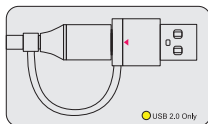
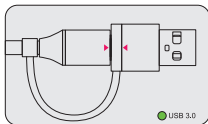
Specifications

Mechanical	
Housing	Aluminium Alloy + ABS
Color	Sliver
Dimensions	L: 135.5mm / 5.33in W: 60.5mm / 2.38in H: 12mm / 0.47in
Weight	90g / 3.17oz
Power Supply	FCC, CE, RoHS
Power Consumption	11W
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



Please make sure to connect the USB-C cable to the USB-A converter properly. It is advised that the arrows on the cables should be facing the same side. If you connect them improperly the data transmission would reduce to USB 2.0 speeds.



Operation Control & Functions

No.	Name	Function Description
1. & 2.	USB-C/A Male Adapter	Connect to a USB-C or USB-A 3.0 port on your laptop.
3.	USB-C PD	Connect a USB-C power adapter to power the laptop while using the adapter.
4.	HDMI 1 (4K@60Hz)	Connect a display device such as TV, Monitor, etc. Note: This port will only work if you connect the adapter to a USB-C port on your computer that supports DP ALT MODE or video output. If you use USB-A as the input, the HDMI 1 port will not work, and neither would the PD charging.
5.	HDMI 2 (1080p@60Hz)	Connect a display device such as TV, Monitor, etc.
6.	HDMI 3 (4K@30Hz)	Connect a display device such as TV, Monitor, etc.
7.	USB-C 3.0	Connect a USB peripheral like USB Drives, Keyboard, Mouse, etc.
8.	USB-A 3.0	Connect a USB peripheral like USB Drives, Keyboard, Mouse, etc.
9.	TF (Micro-SD)/ SD Card	Connect a Micro-SD or Full size SD card. (SD2.0 and TF2.0 up to 60MB/S)

Application Example

Mirror Mode & Extend Mode

on both Windows & Mac OS



FAQs & Troubleshooting

1. My third display connected to 4K@60Hz port is not working. I have installed the drivers.

The HDMI 1 (4K@60Hz) port will only work if you connect the adapter to a USB-C port on your laptop that supports DP ALT MODE or video output.

2. I connected it to a USB-A port on my laptop. I am able to use the mouse and keyboard but peripherals like SSD and HDD are not working.

USB-A port has a power limitation of 7.5W and devices like SSD and HDD require more power than that. You can connect a USB-C power adapter to the PD port and the SSD or HDD should work.

3. I am unable to get audio from my laptop or displays when connecting the adapter.

You need to go to the sound settings on your laptop and select the adapter as the audio output and you should get audio from the display speakers.

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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