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> [LIONWEI USB C Docking Station \(Model BSP240-050400UK\) - Instruction Manual](#)

LIONWEI BSP240-050400UK

LIONWEI USB C Docking Station

Model: BSP240-050400UK

INTRODUCTION

This instruction manual provides detailed guidance for setting up and operating your LIONWEI USB C Docking Station. This device expands the connectivity of your USB-C or Thunderbolt 3/4 enabled laptop, allowing for multiple external displays, high-speed data transfer, network connectivity, and power delivery.

PRODUCT FEATURES

- **Triple Display Output:** Supports 2x HDMI (4K@60Hz) and 1x DisplayPort (4K@60Hz) for extended or mirrored displays.
- **Power Delivery (PD):** Up to 100W input and 85W output for laptop charging.
- **High-Speed Data Transfer:** 2x USB-A 3.0 and 1x USB-C 3.0 ports with up to 5Gbps data transfer speed.
- **Gigabit Ethernet:** RJ45 port for stable 1000Mbps wired network connection.
- **Wide Compatibility:** Compatible with USB-C or Thunderbolt 3/4 laptops from brands like Dell, Lenovo, HP, Apple (MacBook Pro/Air), ASUS, and more.
- **Plug and Play:** No additional drivers required for most operating systems.

PORTS AND CONNECTIONS OVERVIEW

The LIONWEI USB C Docking Station features a comprehensive array of ports to enhance your workstation. Below is an overview of the available connections:

8-IN-1 USB-C Hub

HDMI 1
4K@60Hz

HDMI 2
4K@60Hz

DP
4K@60Hz

PD 3.0
100W

USB C 3.0
5Gbps

USB A 3.0
5Gbps

USB A 3.0
5Gbps

RJ45
1000Mbps

Image: Front and side view of the LIONWEI USB C Docking Station, highlighting its various ports including PD 3.0, USB C 3.0, USB A 3.0, HDMI 1, HDMI 2, DisplayPort, and RJ45 Ethernet.

- **2x HDMI Ports:** Connect external monitors for video output up to 4K@60Hz.
- **1x DisplayPort (DP):** Connect an external monitor for video output up to 4K@60Hz.
- **1x PD 3.0 USB-C Port:** For power input (up to 100W) to charge your laptop.
- **1x USB-C 3.0 Port:** For data transfer up to 5Gbps.
- **2x USB-A 3.0 Ports:** For data transfer up to 5Gbps and connecting peripherals like mouse and keyboard.
- **1x RJ45 Ethernet Port:** For a stable wired network connection up to 1000Mbps.

SETUP GUIDE

1. Verify Laptop USB-C Port Type

Before connecting, ensure your laptop's USB-C port supports data, video output, and power delivery (full function or DisplayPort Alt Mode). Ports that only support charging or data transfer will not provide full functionality.

BROAD COMPATIBILITY

<p>Dell</p>  <p>XPS(13/15/9500...) Latitude(7410/5310...) Precision(5550/7550...) Inspiron(7506 2-in-1/5502...) Vostro(5501/3491...) Alienware(m15 R4/Area-51m...)</p>	<p>HP</p>  <p>Spectre(x360 13/15...) Envy(x360 13/15...) EliteBook(840 G8/x360 1030 G8...) Pavilion(14/x360 15...) ProBook(450 G8/x360 435 G8...)</p>	<p>Lenovo</p>  <p>ThinkPad (T14/T14s/P50/P52...) IdeaPada (5/Flex 5...) Yoga(9i/7i...) Legion(5/7...)</p>
<p>Apple</p>  <p>MacBook Pro(2016-2022) MacBook Air/Mac mini(2018-2020) iMac(2020)/iMac Pro(2017-2019) iPad/ Pro(2018-Newest)</p>	<p>ASUS</p>  <p>ZenBook (14/Pro Duo...) VivoBook(S15/Flip 14...) ROG(Zephyrus G14/Strix Scar 15...) TUF Gaming(A15/F15...)</p>	<p>Other</p>  <p>Microsoft Samsung Galaxy Acer</p> <p style="text-align: right;">Not a full list...</p>

Operating Systems

 Windows

 macOS

 Chrome os

 iPad OS

 Android

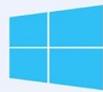
Image: Visual guide to identify USB-C port capabilities on a laptop, distinguishing between full function, data+video output, data+DisplayPort Alt, and data/charging only ports.

2. Initial Connection

1. Connect the docking station's integrated USB-C cable to your laptop's compatible USB-C port.
2. Connect your external monitors to the HDMI and/or DisplayPort outputs on the docking station.
3. For power delivery, connect your laptop's USB-C power adapter to the PD 3.0 port on the docking station.
4. Connect any USB peripherals (mouse, keyboard, USB drives) to the USB-A 3.0 or USB-C 3.0 ports.
5. For wired network access, connect an Ethernet cable to the RJ45 port.

3. Display Configuration (Windows)

The docking station supports MST (Multi-Stream Transport) and SST (Single-Stream Transport) modes on Windows, allowing for mirror or extend display setups across multiple monitors.



Windows with DP1.4

Mirror Mode



Extend Mode



Extend Mode



Image: Examples of Windows display configurations, including mirror mode (all screens show the same content) and extend mode (each screen shows different content).

To configure displays:

1. Right-click on your desktop and select 'Display settings'.
2. Under 'Multiple displays', choose your desired mode: 'Duplicate these displays' (Mirror Mode) or 'Extend these displays' (Extend Mode).
3. You can drag and drop the display boxes to arrange them according to your physical setup.
4. Adjust resolution and orientation for each display as needed.

4. Display Configuration (macOS)

Note: macOS does not support triple display in extended mode. It supports mirror mode and non-mirror mode (where all external displays show the same content, different from the laptop screen).

macOS with DP1.4

Mirror Mode



SST Extend Mode



MST Extend Mode



Note: macOS does not support Multi-Stream Transport(MST)display.

Image: Examples of macOS display configurations, showing mirror mode and SST extend mode (where external monitors mirror each other but extend from the laptop).

To configure displays:

1. Go to 'System Settings' > 'Displays'.
2. Select the external display(s).
3. Choose 'Mirror Built-in Display' for mirror mode or 'Use as separate display' for non-mirror mode.
4. Adjust resolution and refresh rate as needed.

5. Power Delivery



Image: A laptop connected to the docking station, which is then connected to a wall charger, illustrating 100W power input to the dock and 85W power output to the laptop.

Connect your laptop's original USB-C power adapter to the PD 3.0 port on the docking station. This allows

the docking station to pass through power to charge your laptop while using other peripherals.

6. Data Transfer



Image: A LIONWEI docking station connected to a laptop, with USB-A and USB-C drives plugged into the hub, illustrating rapid data transfer speeds of up to 5Gbps.

The USB-A 3.0 and USB-C 3.0 ports support data transfer speeds of up to 5Gbps. Connect your external hard drives, flash drives, or other data storage devices for quick file transfers.

7. Ethernet Connection



Image: A LIONWEI docking station connected to a laptop, with an Ethernet cable plugged into the RJ45 port, indicating a stable 1000Mbps network connection.

Plug an Ethernet cable from your router or modem into the RJ45 port on the docking station for a stable and fast wired internet connection up to 1000Mbps.

OPERATING TIPS

- For optimal performance, ensure your laptop's operating system and graphics drivers are up to date.
- Avoid disconnecting the docking station abruptly during data transfer to prevent data loss.
- If using multiple high-resolution displays, ensure your laptop's GPU can handle the combined load.

COMPATIBILITY

Improving Efficiency



Image: A compatibility chart showing various laptop brands (Dell, HP, Lenovo, Apple, ASUS, Microsoft, Samsung, Acer) and operating systems (Windows, macOS, Chrome OS, iPad OS, Android) compatible with the LIONWEI docking station. The LIONWEI USB C Docking Station is designed for broad compatibility with devices featuring a full-function USB-C port or Thunderbolt 3/4 port. This includes, but is not limited to:

- **Laptops:** Dell XPS series, Lenovo Yoga series, MacBook Pro/Air, HP Spectre/Envy/EliteBook/Pavilion/ProBook, ASUS ZenBook/VivoBook/ROG/TUF Gaming, Microsoft Surface, Samsung Galaxy, Acer.
- **Operating Systems:** Windows, macOS, Chrome OS, iPad OS, Android.

SPECIFICATIONS

Feature	Specification
Product Dimensions	7.8 x 2.3 x 0.7 inches
Item Weight	3.5 ounces
Model Number	BSP240-050400UK
Color	Space Grey
Hardware Interface	Ethernet, HDMI, USB 3.0, USB Type C
Video Output	2x HDMI (4K@60Hz), 1x DisplayPort (4K@60Hz)
Power Delivery	100W Input, 85W Output
USB Data Ports	2x USB-A 3.0 (5Gbps), 1x USB-C 3.0 (5Gbps)
Ethernet Speed	1000Mbps

TROUBLESHOOTING

If you encounter issues with your LIONWEI USB C Docking Station, please refer to the following common solutions:

- **No Display/Flickering Display:**

- Ensure your laptop's USB-C port supports video output (DisplayPort Alt Mode).
- Check all cable connections (USB-C to laptop, HDMI/DP to monitors).
- Try a different HDMI/DP cable.
- Update your laptop's graphics drivers.
- Reduce the resolution or refresh rate of the external displays.

- **Blurry Display:**

- Ensure the display resolution in your operating system settings matches the native resolution of your monitor.
- Check the scaling settings in your display preferences.

- **No Power Delivery:**

- Ensure your laptop's USB-C port supports power input.
- Verify that your power adapter is connected to the PD 3.0 port on the docking station and is functioning correctly.

- **USB Devices Not Recognized:**

- Reconnect the USB device and the docking station.
- Try connecting the USB device to a different port on the docking station.
- Ensure the USB device is functioning correctly when connected directly to your laptop.

- **No Ethernet Connection:**

- Check the Ethernet cable connection to both the docking station and your router/modem.
- Verify network settings on your laptop.
- Restart your router/modem and laptop.

MAINTENANCE

- Keep the docking station in a dry environment, away from extreme temperatures.
- Clean the device with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Do not attempt to disassemble or repair the device yourself.

WARRANTY AND SUPPORT

The LIONWEI USB C Docking Station comes with an 18-month warranty. If you encounter any issues or require technical assistance, please contact LIONWEI customer support. Refer to the product packaging or the official LIONWEI website for contact information.

OFFICIAL PRODUCT VIDEOS

For visual guidance on setup and features, please refer to the following official product videos:

Setup Instructions for Hub

Video: A step-by-step guide demonstrating how to connect and configure the LIONWEI USB C Docking Station with a laptop and external monitors, including Windows and macOS display settings.

LIONWEI 8-in-1 Docking Station Overview

Video: A concise overview of the LIONWEI 8-in-1 USB C Docking Station, showcasing its various ports and functionalities in a dynamic presentation.

LIONWEI Docking Station with 2 HDMI+1 DP+Ethernet+3 USB3.0

Video: A detailed demonstration of connecting multiple displays (2 HDMI, 1 DisplayPort), Ethernet, and USB 3.0 devices to the LIONWEI docking station.

LIONWEI Laptop Docking Station Features

Video: A quick visual guide showcasing the key features and benefits of the LIONWEI Laptop Docking Station in a professional setting.