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> Acer USB C Docking Station Dual Monitor User Manual

acer ODK4K0

Acer USB C Docking Station User Manual

Model: ODK4K0 | Brand: Acer

PRODUCT OVERVIEW

The Acer 9-in-1 USB-C Docking Station is designed to expand the connectivity of your laptop, providing multiple ports for display, data transfer, and power delivery. This versatile hub allows for seamless integration with various devices and operating systems, enhancing your productivity and simplifying your workspace.



Figure 1: Acer 9-in-1 USB-C Docking Station with its various connectivity options, including HDMI, USB-A, USB-C, and SD/MicroSD slots.

Make sure the laptop's USB C port supports **DisplayPort Alt Mode**

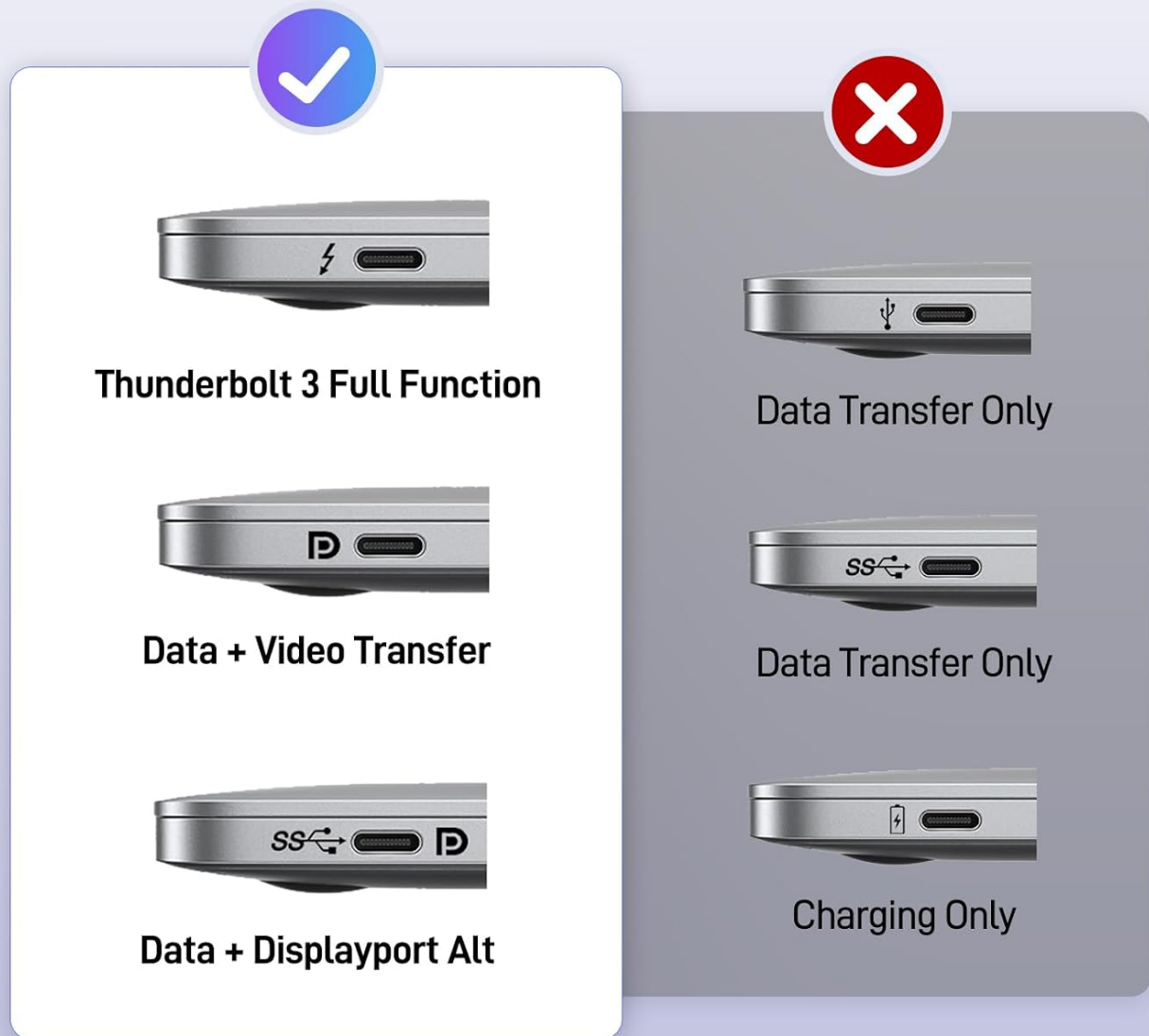


Figure 2: Detailed view of the docking station highlighting its 9-in-1 connectivity, including USB-A 3.0, USB-C 3.0, Power Delivery, 4K HDMI, and SD/MicroSD slots.

SETUP INSTRUCTIONS

Important Compatibility Note: USB-C Port

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

9-in-1

Connectivity

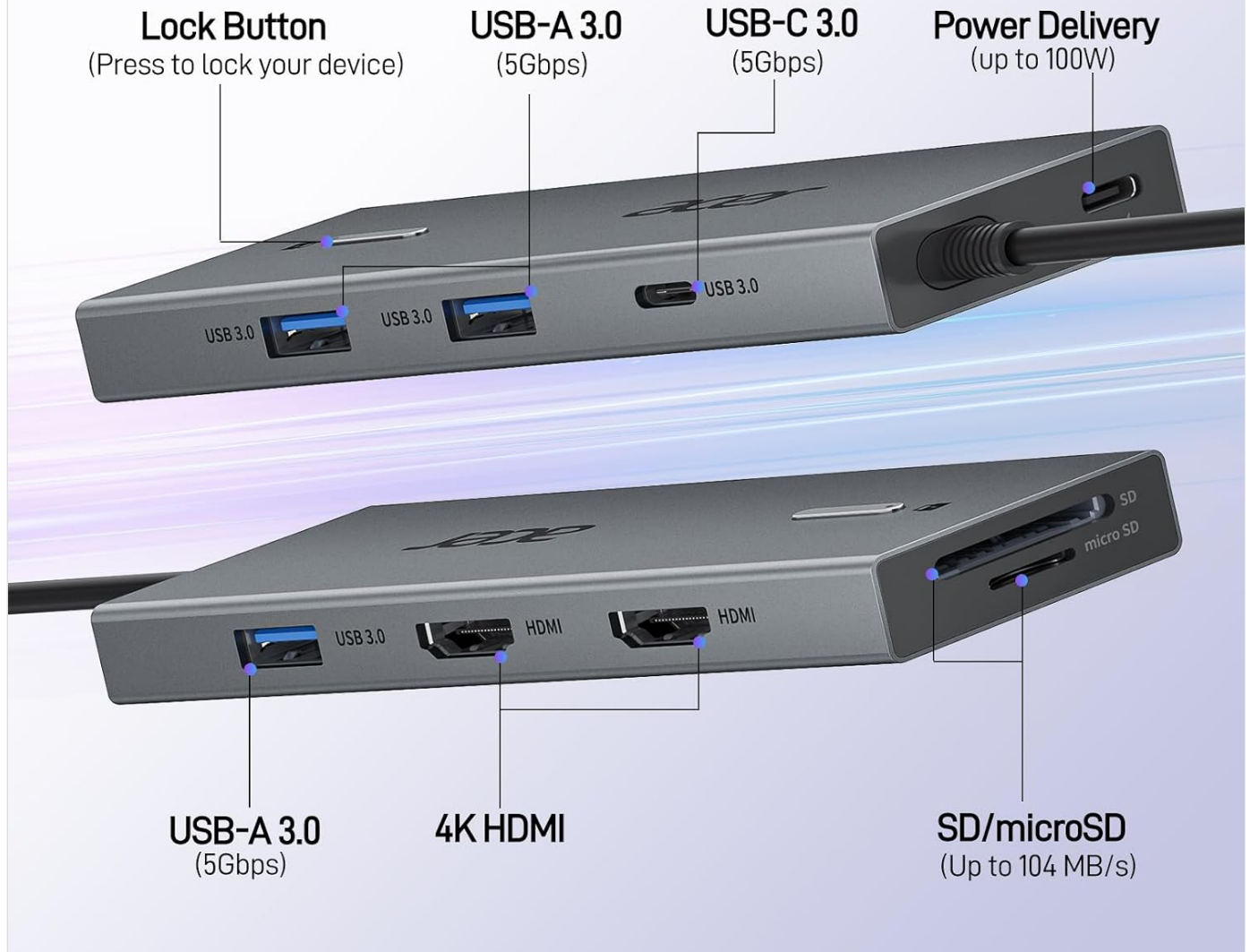


Figure 3: Visual guide to identify a multi-function USB-C port (Thunderbolt Full Function, Data + Video Transfer, Data + DisplayPort Alt) versus data-only or charging-only ports.

Initial Connection

1. Connect the USB-C cable from the docking station to a compatible USB-C port on your laptop.
2. Connect your external monitors to the HDMI ports on the docking station.
3. Connect any USB peripherals (keyboard, mouse, external drives) to the available USB-A or USB-C ports on the docking station.
4. For power delivery, connect a 100W+ USB-C power adapter (not included) to the PD port on the docking station.

Operating System Specific Setup

Pre-Use Setup Guide

Mac: 



System Settings



Privacy & Security



Accessories, then set it to **Always Allow**.

Windows: 

Option 1: Normal scenario, Plug-and-play (no setup required).

Option 2: If connection fails, troubleshoot below:



Settings



Devices



External Devices

After setting, reconnect the docking station and wait for your computer to recognize the device.

Figure 4: Setup steps for macOS and Windows to ensure proper functionality of the docking station.

For Windows Users:

- The docking station is generally plug-and-play. The system should automatically detect connected displays.
- If connection issues arise, navigate to **Settings > Devices** and enable external devices.
- After adjusting settings, reconnect the docking station and allow your computer to recognize the device.

Your browser does not support the video tag.

Video 1: Acer Docking Station Multi-screen Operating Instruction. This video demonstrates the setup and operation of the docking station for multi-screen configurations on Windows and macOS.

For macOS Users:

- Go to **System Settings > Privacy & Security > Accessories**
- Set the option to **Always Allow**. This ensures your Mac allows the docking station to connect and function properly.

Dual 4K Display Configuration

The docking station supports dual monitors via its two HDMI ports, allowing for extended or mirrored display modes. The final output resolution depends on your laptop's capabilities, HDMI cables, and the docking station's specifications.



Figure 5: A laptop connected to an external 4K monitor through the docking station, demonstrating crystal-clear ultra resolution.

Wide Compatibility

Seamless integration with a variety of systems and devices for easy use.

Laptop



acer Swift 5



MacBook Pro



ThinkPad X1



Dell XPS



Envy x360



ZenBook Flip 14



Galaxy Book Pro



Tablet/Phone



iPad Pro/Air



iPhone 15/16



Galaxy S21-S24



Surface Pro



Galaxy Tab 8



OnePlus 12/13

Game Console



Steam Deck



ROG Ally

Figure 6: Illustration comparing the data transfer speeds of USB 3.0 (5Gbps) versus USB 2.0, highlighting the faster performance of USB 3.0.

Windows Display Modes:

- **Extend Mode:** Displays different content on each monitor (Laptop, Monitor 1, Monitor 2).
- **Mirror Mode:** Duplicates content across all displays.
- **Partial Extend/Mirror:** Various combinations of extending and mirroring.

macOS Display Modes:

- **Extend Mode:** Allows one external monitor to extend the display.
- **Mirror Mode:** Duplicates the main screen to external monitors.
- **Note:** Due to macOS system-level restrictions, multi-display extended mode is not supported via most docking stations. All connected external monitors will mirror the primary display instead of extending it.

Multiple Display Modes

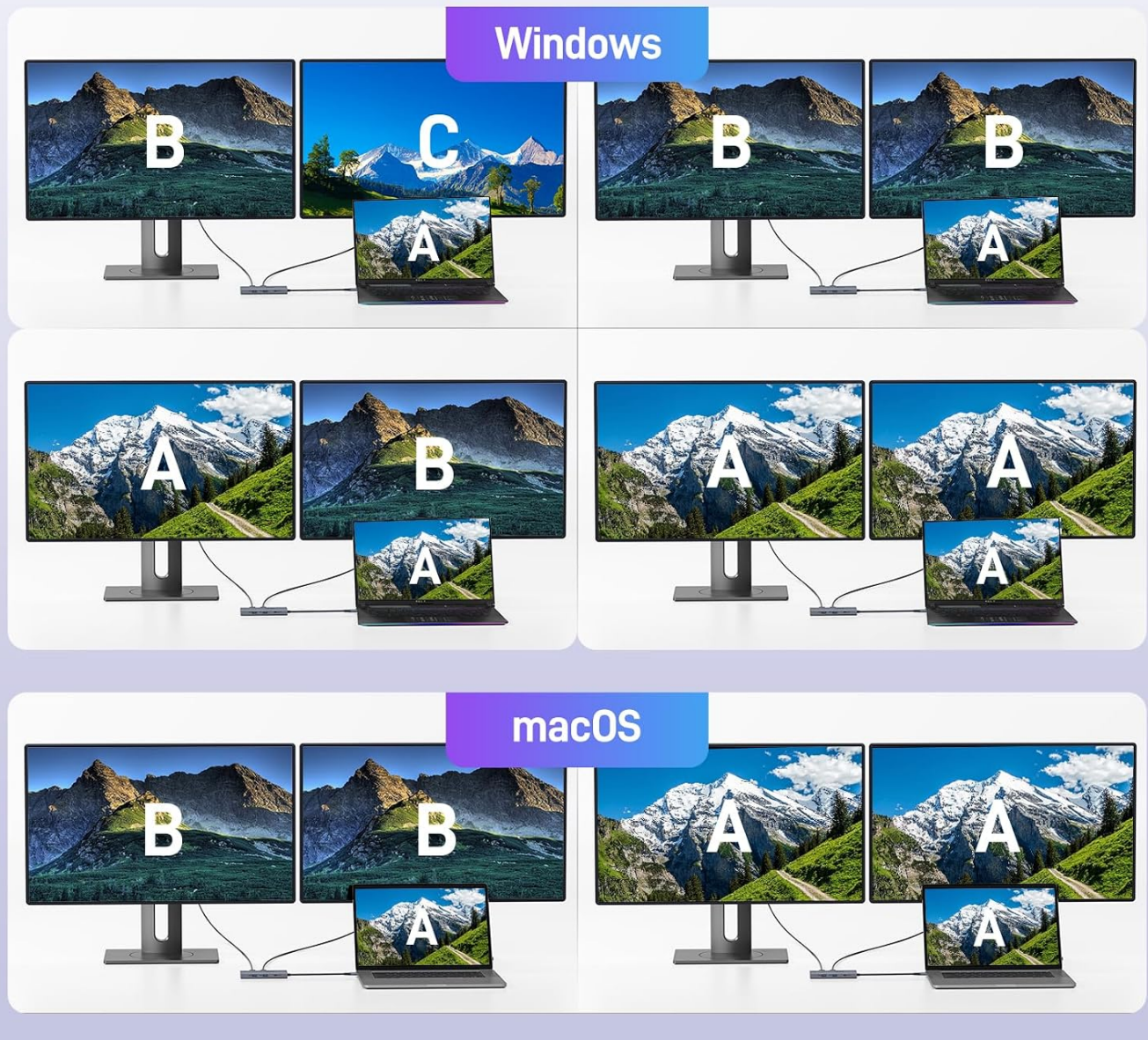


Figure 7: Visual representation of various multi-display configurations achievable with Windows and macOS using the docking station. Note the limitation for macOS extended mode.

Data Transfer and Card Reader

The docking station features 1 USB-C (5Gbps) and 3 USB-A (5Gbps) ports for fast data transfer. It also includes dual SD/MicroSD slots supporting speeds up to 104Mbps, allowing simultaneous read and write operations for efficient file management.



Simultaneous Read & Write on Dual Cards

TF / Micro



microSD



microSDHC



microSDXC

SD



SD Card



SDXC



SDHC



RS-MMC

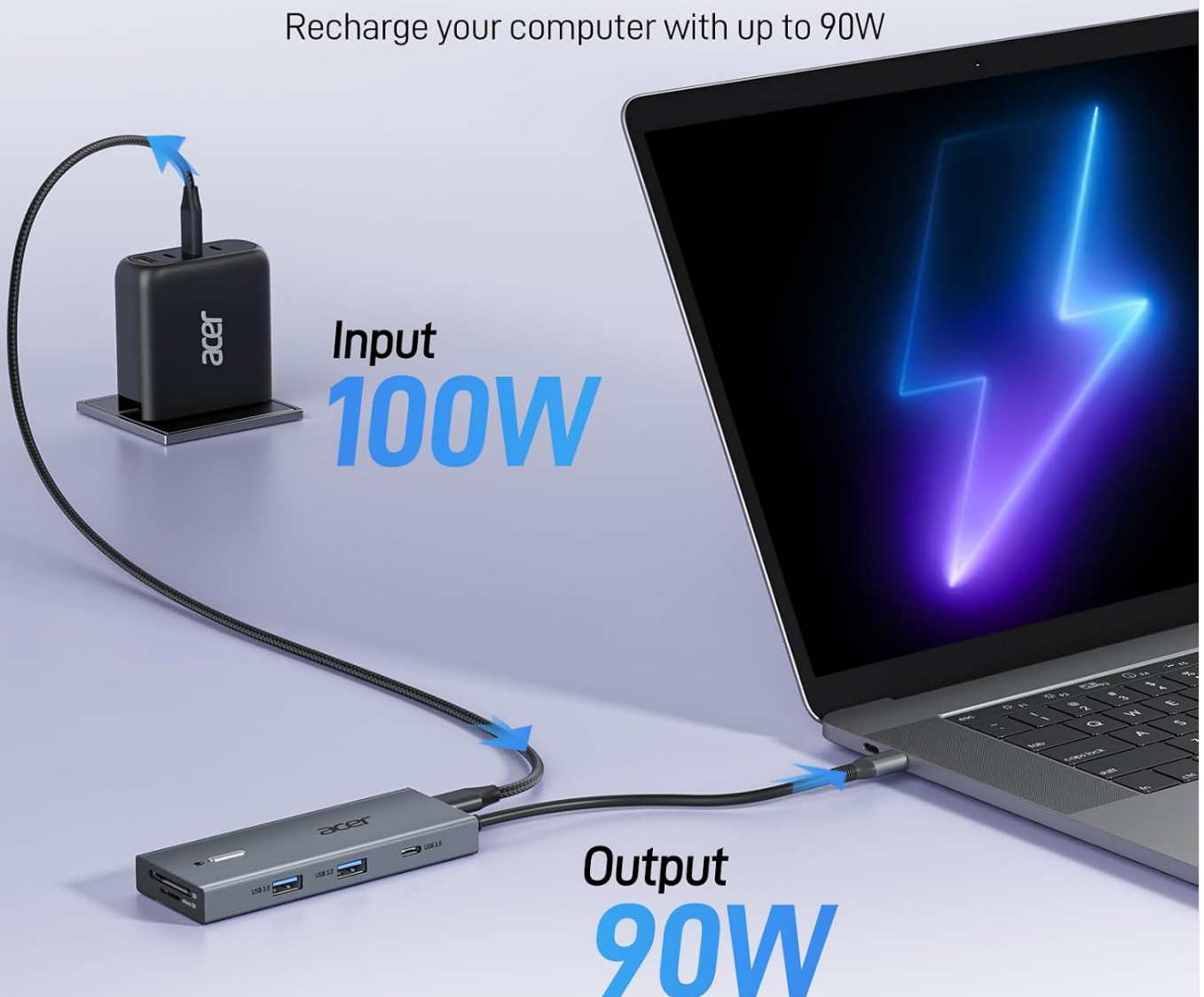
Figure 8: The docking station's capability for simultaneous reading and writing from both TF/MicroSD and standard SD cards.

Power Delivery (PD) Charging

The USB-C hub supports up to 100W power input and delivers up to 90W to your laptop, enabling you to charge your device while using the docking station. A 100W+ PD power adapter is required and sold separately.

USB-C Pass-Through Charging

Recharge your computer with up to 90W



Note: 100W PD charger and cable are required to get fast charging

Figure 9: Visual explanation of the pass-through charging feature, showing 100W input to the hub and 90W output to the laptop.

Lock Button Functionality

The docking station features a lock button for device security. A single click will lock Windows devices, while pressing and holding for 3 seconds will lock Mac devices.

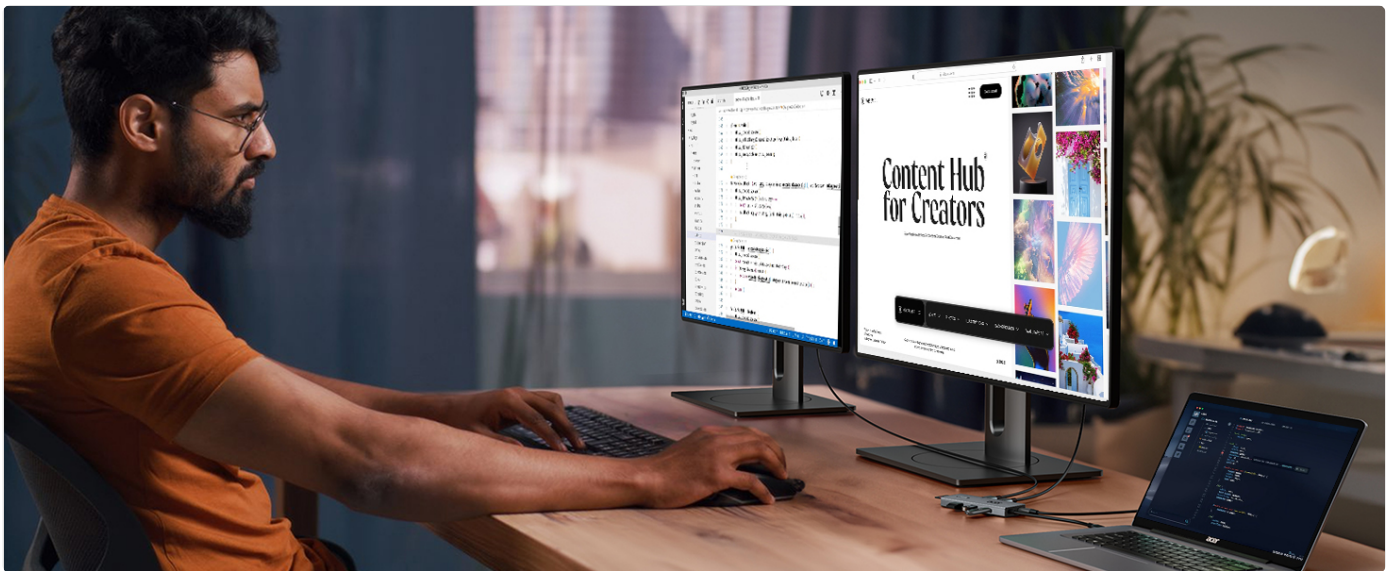


Figure 10: The lock button on the Acer docking station, providing a quick way to secure your connected device.

MAINTENANCE

To ensure the longevity and optimal performance of your Acer USB-C Docking Station, please follow these maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- Handle the device and its cables with care to prevent damage to ports or internal components.
- Avoid placing heavy objects on top of the docking station.

TROUBLESHOOTING

Common Issues and Solutions:

- **No Display Output or Flickering Screen:**
 - Ensure your laptop's USB-C port supports DisplayPort Alt Mode.
 - Check all cable connections (USB-C to laptop, HDMI to monitors) are secure.
 - Try different HDMI cables, preferably high-quality ones (HDMI 2.1/DP2.0).
 - Adjust display resolution and refresh rate in your operating system settings.
 - Restart your laptop and reconnect the docking station.
- **Data Transfer Issues or Slow Speeds:**
 - Ensure the connected USB devices are functioning correctly.
 - Verify that the USB-C port on your laptop supports data transfer.
 - Try connecting devices to different USB ports on the docking station.
- **Charging Not Working or Slow:**
 - Ensure your laptop's USB-C port supports Power Delivery (PD).
 - Use a 100W+ USB-C power adapter and a compatible USB-C to USB-C cable for optimal charging.
 - Check if the power adapter is securely connected to the docking station's PD port.
- **macOS Multi-Display Extended Mode Limitation:**

- This is due to macOS system-level restrictions. Apple's software does not support multi-display extended mode via most docking stations. As a result, all connected external monitors will mirror the primary display instead of extending it.
- **Unable to achieve desired high resolution on external display:**
 - **Laptop GPU limitation:** Check your graphics card specifications to ensure it supports the desired resolution.
 - **Cable quality issue:** Use higher-specification cables (HDMI 2.1/DP2.0).
 - **Display capability:** Confirm your monitor supports the target resolution.
 - **System setting incorrect:** Adjust in display settings (Windows: Display Settings; Mac: System Preferences).
 - **Key:** The entire chain (laptop dock cable display) must support your target resolution.

For more detailed troubleshooting, please refer to the official[Troubleshooting Guide \(PDF\)](#).

SPECIFICATIONS

Feature	Detail
Brand	acer
Model Number	ODK4K0
Package Dimensions	6.65 x 5.51 x 0.87 inches
Item Weight	4.6 ounces
Hardware Interface	HDMI, MicroSD, USB 3.0
Total USB Ports	3
Number of Ports	9
Total HDMI Ports	2
Wattage	100.0
Color	Grey
Compatible Devices	Windows and macOS devices with DisplayPort Alternate Mode (DP Alt Mode) supporting display, charging, and data transfer. Includes Acer, Dell, Lenovo, Surface, HP, ASUS, MacBook, Samsung laptops and smartphones, as well as accessories like mice and keyboards.
UPC	195133286442

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Acer support website. Acer's award-winning customer support team is available around the clock to provide

personalized assistance and ensure your product performs flawlessly.
You can also find the official User Manual (PDF)[here](#).