

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [ORICO](#) /

> [ORICO 10Gbps Magnetic M.2 Docking Station & USB C Hub User Manual \(Model: ORICO-MG7-G2-BP\)](#)

ORICO ORICO-MG7-G2-BP

ORICO 10Gbps Magnetic M.2 Docking Station & USB C Hub User Manual

Model: ORICO-MG7-G2-BP | Brand: ORICO

1. INTRODUCTION

The ORICO 10Gbps Magnetic M.2 Docking Station is a versatile 8-in-1 USB-C hub and M.2 2230 NVMe enclosure designed to expand both storage and connectivity for your devices. It features multiple ports including HDMI 4K@60Hz, 10Gbps USB-C/A, SD/TF 3.0 card slots, 3.5mm AUX, and 100W Power Delivery. This manual provides instructions for setup, operation, and troubleshooting to ensure optimal performance.

2. SAFETY INFORMATION

- Keep the device away from water, fire, and corrosive substances.
- Do not attempt to disassemble, repair, or modify the device.
- Avoid dropping or subjecting the device to strong impacts.
- Ensure proper ventilation during use to prevent overheating.
- Use only compatible power adapters and cables.

3. PACKAGE CONTENTS

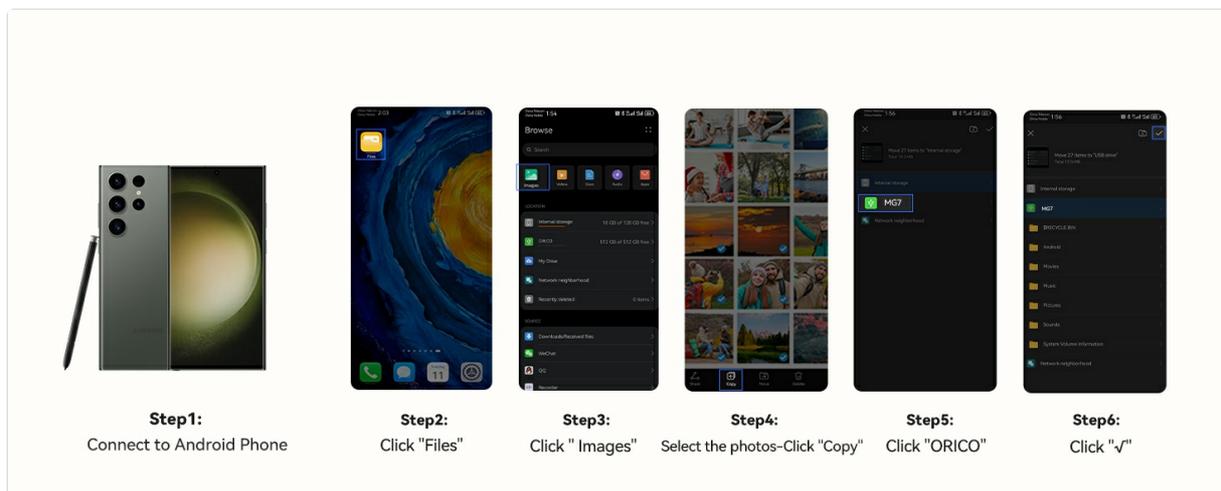


Figure 1: Package Contents

- ORICO M.2 Magnetic Docking Station
- User Manual
- Magnetic Ring
- Thermal Silicone x2
- Data Cable (USB-C to USB-C 20Gbps, 13cm)
- Screwdriver
- Screw

4. PRODUCT OVERVIEW



Figure 2: Product Features and Ports

The ORICO Magnetic M.2 Docking Station integrates an M.2 2230 NVMe enclosure with an 8-port USB-C hub.

Key features include:

- **M.2 2230 NVMe Enclosure:** Supports M.2 M Key 2230 SSDs up to 2TB for expanded storage.
- **Magnetic Attachment:** Strong magnets for secure attachment to compatible devices. Includes a magnetic ring for non-magnetic surfaces.
- **HDMI 4K@60Hz:** For high-resolution video output to external displays.
- **10Gbps USB-C/A Ports:** High-speed data transfer for large files.
- **SD/TF 3.0 Card Slots:** For easy file transfer from memory cards.
- **3.5mm AUX Port:** Supports external microphones for audio recording.
- **100W PD Pass-Through Port:** Allows charging of connected devices while using the hub.

5. SETUP

5.1 SSD Installation

1. Unscrew the screws and open the bottom cover of the docking station.
2. Tilt the M.2 2230 NVMe SSD at approximately 30° to insert it into the slot.
3. Tighten the tail screws to secure the SSD.
4. Attach the thermal silicone pad to the top of the SSD.
5. Close the bottom cover and tighten all screws.

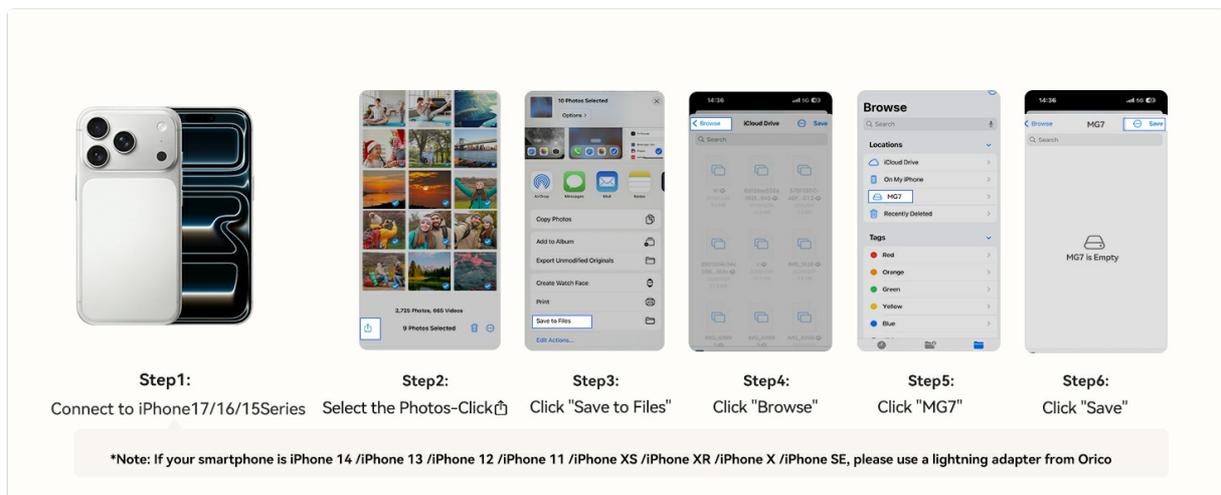


Figure 3: M.2 NVMe SSD Installation Steps

Your browser does not support the video tag.

Video 1: ORICO Magnetic M.2 2230/2242 NVMe SSD Enclosure Installation Guide

Your browser does not support the video tag.

Video 2: Magnetic NVMe SSD Enclosure AP42 Installation

5.2 Magnetic Ring Installation

For devices without built-in magnetic attraction, use the included magnetic ring. Clean the back surface of your device, peel off the adhesive backing from the magnetic ring, and firmly attach it to the desired location on your device. This will allow the docking station to securely attach.

Magnetic Attachment, Hands-Free



Stronger Magnetic Connection



Includes a Magnetic Ring

✔ Cell iPhone case without magnetic attraction



✔ Android phone without magnetic attraction



Figure 4: Magnetic Attachment to a Smartphone

6. OPERATING INSTRUCTIONS

6.1 Connecting to Devices

Connect the docking station to your iPhone, MacBook, iPad, Android device, or any other Type-C compatible device using the provided USB-C to USB-C data cable. The magnetic design allows for convenient attachment to the back of your device.

Smaller, Portable & Sleeker



Figure 5: Wide Compatibility with USB-C Devices

6.2 Data Transfer

Utilize the 10Gbps USB-C/A ports for high-speed data transfer. Insert SD or TF cards into their respective slots for quick file transfers. New SSDs require exFAT formatting on a PC before initial use.

10Gbps High-Speed Data Transfer

Supports M.2 M Key 2230 SSD up to 2TB

10Gbps

USB-C
USB-A
M.2 NVMe 2230

170MB/s

SD
TF

Compatible SSD protocol




NVMe M.2

Compatible SSD key



M key
NVMe/PCIe

Figure 6: High-Speed Data Transfer Capabilities

6.3 ProRes Video Recording

For iPhone 15 Pro/Pro Max users, directly save 4K ProRes footage to the installed M.2 SSD or an inserted SD/TF card. The 3.5mm AUX port supports external microphones for enhanced audio recording.

ProRes 4K/120fps Instant Record & Save

Audio interface for Mic recording



*Note:

Only iPhone 16/17 Pro/Pro Max Support ProRes 4K/120fps Recording to External Storage.

Only iPhone 15/16/17 Pro/Pro Max Support ProRes 4K/60fps Recording to External Storage.

Figure 7: ProRes Video Recording with External Storage

6.4 HDMI Output

Connect an external monitor or TV to the HDMI 4K@60Hz port for screen mirroring. This is ideal for presentations, gaming, or watching movies.

Breathtaking 4K@60Hz Sharpness



*Note : Only the HDMI port supports video projection while the USB-C ports do not.

Figure 8: HDMI 4K@60Hz Output to External Display

6.5 Power Delivery (PD)

The 100W PD pass-through port allows you to charge your phone or laptop via a power adapter or power bank while simultaneously using the hub's other functions. This prevents data transfer interruptions due to low battery.

Supports 100W PD Charging



Input 100W



Output 85W

Please Note: Power bank and cable not included.

Figure 9: 100W Power Delivery Functionality

7. COMPATIBILITY

The ORICO Magnetic M.2 Docking Station is widely compatible with USB-C devices, including:

- iPhones (15 Pro/Pro Max and newer for direct ProRes recording, others with adapter)
- MacBooks
- iPads
- Android devices
- Other Type-C enabled laptops and tablets

8. MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Store the device in a cool, dry place when not in use.
- Avoid exposing the device to extreme temperatures or humidity.
- Regularly check cable connections for wear and tear.

9. TROUBLESHOOTING

- **Device not recognized:** Ensure all cables are securely connected. Try connecting to a different USB-C port or device.
- **SSD not detected:** Verify the SSD is correctly installed. New SSDs must be formatted to exFAT on a PC before use.
- **Slow data transfer:** Ensure you are using 10Gbps compatible cables and ports. The speed may also be limited by the connected device or the SSD's performance.
- **No video output via HDMI:** Check the HDMI cable connection and ensure your display is set to the correct input. Some devices may require specific display settings.
- **Charging issues:** Ensure the power adapter/power bank connected to the PD port is sufficient (up to 100W). High-power SSDs may require external power via the PD port.

10. SPECIFICATIONS

Feature	Specification
Model Number	ORICO-MG7-G2-BP
Product Dimensions	2.52 x 2.52 x 0.47 inches (64 x 64 x 12 mm)
Item Weight	1.87 ounces (53 Grams)
Data Transfer Speed	10Gbps (USB-C/A)
Video Output	HDMI 4K@60Hz
Power Delivery	100W PD Pass-Through
Card Slots	SD/TF 3.0
Audio Port	3.5mm AUX
SSD Compatibility	M.2 2230 NVMe (up to 2TB)

11. WARRANTY AND SUPPORT

ORICO products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or customer service, please visit the official ORICO website or contact your local distributor. Keep your purchase receipt for warranty claims.