

MAIWO K1695F

MAIWO K1695F 40Gbps NVMe SSD Enclosure User Manual

Model: K1695F

Brand: MAIWO

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MAIWO K1695F 40Gbps NVMe SSD Enclosure. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The MAIWO K1695F is designed to convert an M.2 NVMe SSD into a portable external storage device, offering high-speed data transfer capabilities and efficient thermal management.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x MAIWO 40Gbps NVMe SSD Enclosure
- 1x USB-C to USB-C Cable
- 1x User Manual
- 1x Silicone Thermal Pad
- 1x Cooling Aluminum Sheet
- Silicone SSD Retention Pins
- 1x Carabiner Strap

What You See Is What You Get



Image: All components included in the MAIWO K1695F NVMe SSD Enclosure package.

3. KEY FEATURES

- **High-Speed Data Transfer:** Supports up to 40Gbps transfer rates via USB4 Type-C, backward compatible with Thunderbolt 3/4, USB4, USB 3.0, and USB 2.0.
- **Integrated Cooling System:** Features a built-in fan and an aluminum alloy shell with cooling grooves, combined with a silicone thermal pad and aluminum sheet, to effectively dissipate heat and protect the SSD.
- **Durable Construction:** Made from robust aluminum alloy for enhanced durability and heat management.
- **Broad Compatibility:** Designed for M.2 NVMe PCIe SSDs in the 2280 M-Key form factor.
- **Tool-Free Installation:** Allows for quick and easy insertion and removal of SSDs without the need for tools.
- **Portable Design:** Compact and lightweight, making it suitable for mobile use.
- **Large Capacity Support:** Compatible with NVMe SSDs up to 8TB.

Exclusive for M.2 NVMe SSDs

Only for 2280mm ssd



Image: Detailed view of the enclosure's cooling mechanisms.

4. INSTALLATION GUIDE

Follow these steps to install your M.2 NVMe SSD into the enclosure:

1. **Open the Enclosure:** Gently slide open the enclosure cover. The design allows for tool-free access.
2. **Insert the SSD:** Align your M.2 NVMe SSD (2280 M-Key only) with the slot inside the enclosure. Insert the SSD firmly into the M-Key connector at an angle.
3. **Secure the SSD:** Once inserted, gently push down the SSD and secure it with the provided silicone retention pin. Ensure the SSD is flat and stable.
4. **Apply Thermal Management Components:**
 - Peel off the protective film from both sides of the silicone thermal pad and place it onto the NVMe SSD chip side.
 - Place the cooling aluminum sheet on top of the thermal pad, ensuring it covers the SSD's main components.
5. **Close the Enclosure:** Slide the enclosure cover back into place until it clicks securely.

Tool-free Opening and Closing



Upgrade design



Early design



Image: Tool-free installation process for the NVMe SSD.

No Fear of Overheating



Image: Compatibility guide for M.2 NVMe SSDs.

5. OPERATING INSTRUCTIONS

1. **Connect to Host Device:** Use the provided USB-C to USB-C cable to connect the enclosure to a compatible USB4, Thunderbolt 3/4, or USB-C port on your computer or device.
2. **Device Recognition:** The enclosure is plug-and-play. Your operating system should automatically detect the new storage device. For new SSDs, you may need to initialize and format the drive through your operating system's disk management utility before use.
3. **Data Transfer:** Once recognized, you can drag and drop files to and from the enclosure as you would with any other external drive.
4. **Safe Removal:** Always safely eject the device from your operating system before physically disconnecting the cable to prevent data corruption.

It still runs quietly even with a built-in fan

Quiet as rustle of leaves



Image: Enclosure connected to a laptop for data transfer.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use, store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Fan Operation:** The built-in fan operates continuously to ensure optimal cooling. Ensure the fan vents are not obstructed to maintain proper airflow.
- **Handling:** Handle the enclosure with care to avoid drops or impacts that could damage the internal SSD or the enclosure itself.

7. TROUBLESHOOTING

- **Enclosure Not Recognized:**
 - Ensure the USB-C cable is securely connected to both the enclosure and the host device.
 - Try connecting to a different USB-C or Thunderbolt port on your computer.
 - Verify that the M.2 NVMe SSD is correctly installed and seated firmly within the enclosure.

- For new SSDs, check your operating system's Disk Management (Windows) or Disk Utility (macOS) to initialize and format the drive.
- **Slow Data Transfer Speeds:**
 - Ensure you are using a USB4 or Thunderbolt 3/4 compatible port on your host device to achieve maximum speeds.
 - Verify that your NVMe SSD itself is capable of high speeds.
 - Close other applications that might be consuming system resources or disk I/O.
 - Ensure the enclosure's cooling fan is operating and not obstructed, as overheating can lead to performance throttling.
- **Fan Noise:**
 - The enclosure includes an active cooling fan which operates continuously. A low hum or whirring sound is normal.
 - If the fan noise is unusually loud or grinding, ensure the enclosure is placed on a stable, flat surface and that the fan vents are clear of obstructions.
 - Contact customer support if the noise is excessive or indicates a malfunction.
- **Overheating:**
 - While the enclosure is designed for efficient heat dissipation, prolonged heavy use can cause it to become warm. This is normal.
 - Ensure the thermal pad and aluminum sheet are correctly installed on the SSD.
 - Verify that the fan is running and its vents are not blocked.

8. SPECIFICATIONS

Model Number	K1695F
Brand	MAIWO
Compatible SSDs	M.2 NVMe PCIe SSD (2280 M-Key only)
Hard Disk Form Factor	22 Millimeters (for 2280mm SSDs)
Data Transfer Rate	Up to 40Gbps (USB4)
Interface	USB4 Type-C (Compatible with Thunderbolt 3/4, USB4/3.0/2.0)
Hardware Interface	PCI Express 4.0 (for NVMe SSDs)
Material	Aluminum Alloy
Cooling System	Built-in Cooling Fan, Aluminum Shell, Thermal Pad, Cooling Aluminum Sheet
Product Dimensions (LxWxH)	4.13 x 2.2 x 6.14 inches (10.49 x 5.59 x 15.6 cm)
Item Weight	9.5 ounces (269 grams)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or customer service inquiries, please refer to the official

MAIWO website or contact your authorized retailer. Keep your purchase receipt for warranty claims.

MAIWO is committed to providing reliable products and support. For the most up-to-date information, please visit www.maiwo.cn.