MAIWO MAIWO-K10635N

MAIWO K10635N M.2 NVMe to 2.5/3.5 Inch SATA Offline Clone Enclosure User Manual

Model: MAIWO-K10635N | Brand: MAIWO

1. INTRODUCTION

This manual provides detailed instructions for the MAIWO K10635N M.2 NVMe to 2.5/3.5 Inch SATA Offline Clone Enclosure. This device is designed to facilitate data transfer and cloning between M.2 NVMe SSDs and 2.5/3.5 inch SATA HDDs/SSDs, offering both online (connected to PC) and offline (standalone) cloning capabilities. It supports high-speed data transmission up to 10Gbps via USB-C.
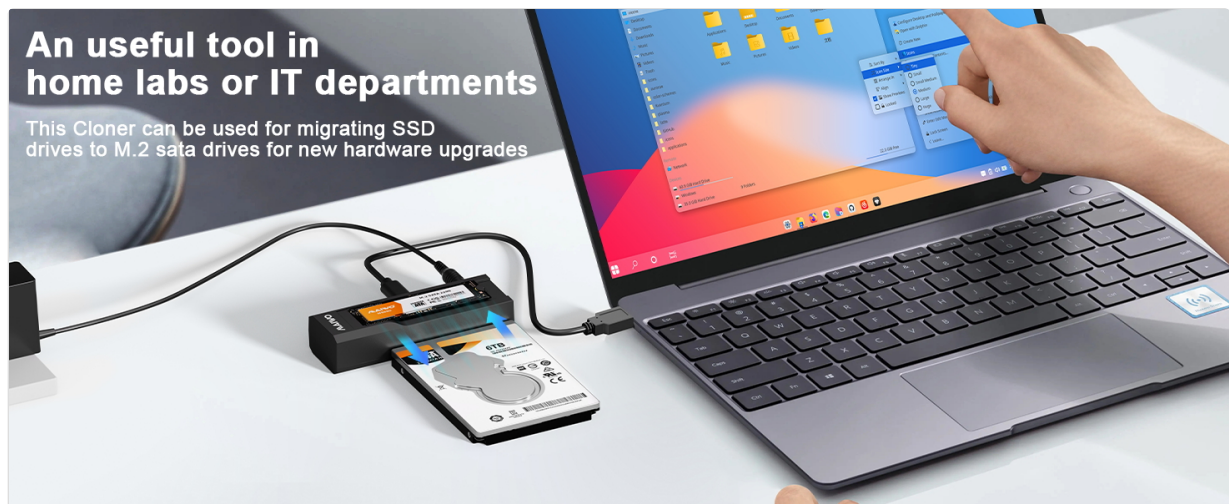

Image 1.1: The MAIWO K10635N is a versatile tool for data management in various environments.

2. SAFETY INFORMATION

Please read and follow these safety guidelines to prevent damage to the device or injury to yourself:

- Ensure the power adapter is correctly connected to a suitable power source.
- Do not expose the device to moisture or extreme temperatures.
- Handle hard drives and SSDs with care to avoid electrostatic discharge.
- Always back up important data before performing any cloning or formatting operations.
- Keep the device away from children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x M.2 NVMe to 2.5/3.5 SATA Enclosure
- 1x USB-C cable
- 1x Power Supply (12V-3A)
- 1x User Guide

4. PRODUCT OVERVIEW

The MAIWO K10635N enclosure supports various M.2 NVMe SSD sizes and standard 2.5/3.5 inch SATA drives. It features clear indicators for power and drive status, along with a dedicated clone button and direction switch for offline operations.
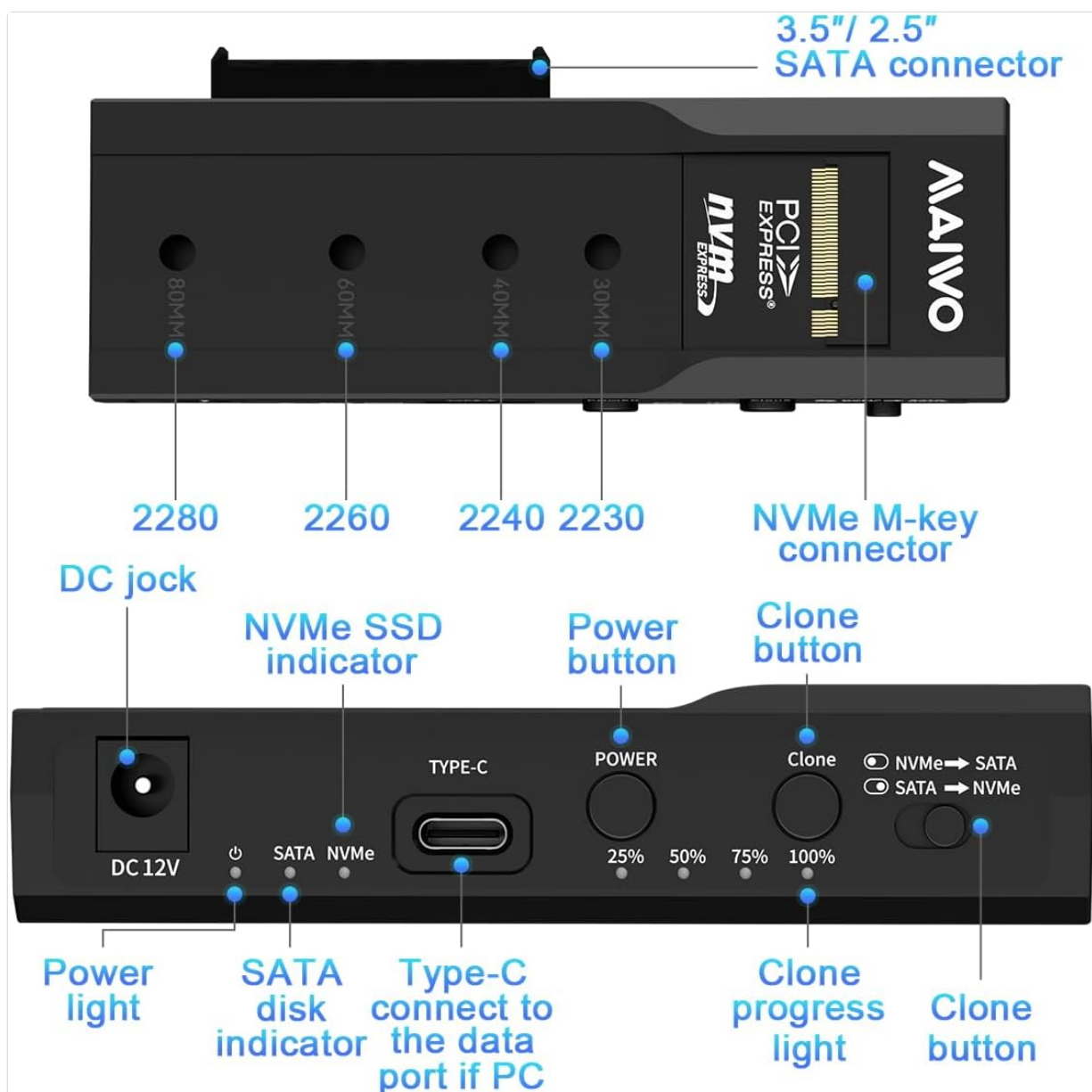

Image 4.1: Front and side view of the MAIWO K10635N with labeled components.

- **NVMe M-key connector:** For M.2 NVMe SSDs (2230, 2240, 2260, 2280).
- **3.5''/2.5'' SATA connector:** For standard SATA HDDs/SSDs.
- **DC 12V Jack:** Power input.

- **Type-C Port:** Connects to PC for data transfer.
- **Power Button:** Turns the device on/off.
- **Clone Button:** Initiates offline cloning.
- **Clone Direction Switch:** Selects NVMe to SATA or SATA to NVMe cloning.
- **LED Indicators:** Power light (blue), HDD/SSD indicator (white), Clone progress lights (25%, 50%, 75%, 100% blue).

Image 4.2: Compatible hard drive types and sizes for the enclosure.

5. SETUP

5.1. Drive Installation

1. Insert the M.2 NVMe SSD into the NVMe M-key connector. Secure it with the provided silicon cork.
2. Insert the 2.5 inch or 3.5 inch SATA HDD/SSD into the SATA port.

Image 5.1: M.2 NVMe SSD and 3.5 inch SATA HDD installed in the enclosure.

5.2. Connecting to a Computer (for Read/Write Function)

1. Connect the power supply to the DC 12V jack on the enclosure.
2. Connect the USB-C cable from the enclosure's Type-C port to your computer's USB port.
3. Press the power button once. The power light will turn blue, and the HDD/SSD indicator lights will turn white, indicating successful connection.

How to use the read and write function?

Step 1	Step 2	Step 3	Step 4
Insert 2.5"/3.5" SATA drive into the SATA port, or insert M.2 NVME SSD into the M.2 port	Spin the silicon cork to fix the M.2 hard drive	connect the device to your computer via USB cable	Connect the power supply and turn on the power switch (Please don't reverse step 4 and step 5)

Image 5.2: Steps for connecting the device to a computer for data access.

5.3. Hard Disk Initialization, Partitioning, and Formatting

If you are using a new SSD/HDD, it needs to be initialized, partitioned, and formatted before use. Please back up any important data on existing drives before proceeding.

1. Connect the device to your computer as described in Section 5.2.
2. On Windows, right-click 'This PC' or 'Computer' and select 'Manage'. Then navigate to 'Disk Management'.
3. Locate the new disk. It will likely be marked as 'Not Initialized'. Right-click on the disk and select 'Initialize Disk'. Choose MBR for drives smaller than 2TB (compatible with Windows XP) or GPT for drives larger than 2TB.
4. After initialization, the disk will show as 'Unallocated Space'. Right-click on the unallocated space and select 'New Simple Volume'. Follow the wizard to create a new partition and format it (e.g., NTFS file system).

For a visual guide on initialization and partitioning, refer to the video below:

Video 5.1: Detailed guide on M.2 NVMe to 2.5/3.5 inch SSD/HDD Cloner, including setup and initialization steps.

6. OPERATING INSTRUCTIONS

6.1. Data Read and Write (Online Mode)

Once the drives are installed and the device is connected to your computer (as per Section 5.2), the drives will appear as removable storage. You can then drag and drop files, copy, paste, or perform any standard file operations. The device supports up to 10Gbps data transfer speeds for NVMe drives.

Image 6.1: Illustration of simultaneous read and write capabilities with speed indications.

6.2. Offline Clone Function (Standalone Mode)

The offline clone function allows you to duplicate data from a source drive to a target drive without needing a computer connection. **Important: The capacity of the target drive must be greater than or equal to the capacity of the source drive.**

1. Ensure both the source and target drives are correctly installed in the enclosure.
2. Connect only the power supply to the enclosure; do not connect the USB-C cable to a computer.
3. Press the power button. The power light and both drive indicator lights will illuminate.
4. Use the **Clone Direction Switch** to select the cloning direction:

- **NVMe → SATA:** Toggle the switch to the left to clone from NVMe to SATA.
- **SATA → NVMe:** Toggle the switch to the right to clone from SATA to NVMe.

5. Press and hold the **Clone Button** for approximately 5 seconds until the clone progress lights (25%, 50%, 75%, 100%) begin to flash.

6. Release the Clone Button, wait for about 1 second, then press the Clone Button once more. The cloning process will begin, and the progress lights will illuminate in sequence (25%, 50%, 75%, 100%) to indicate completion.
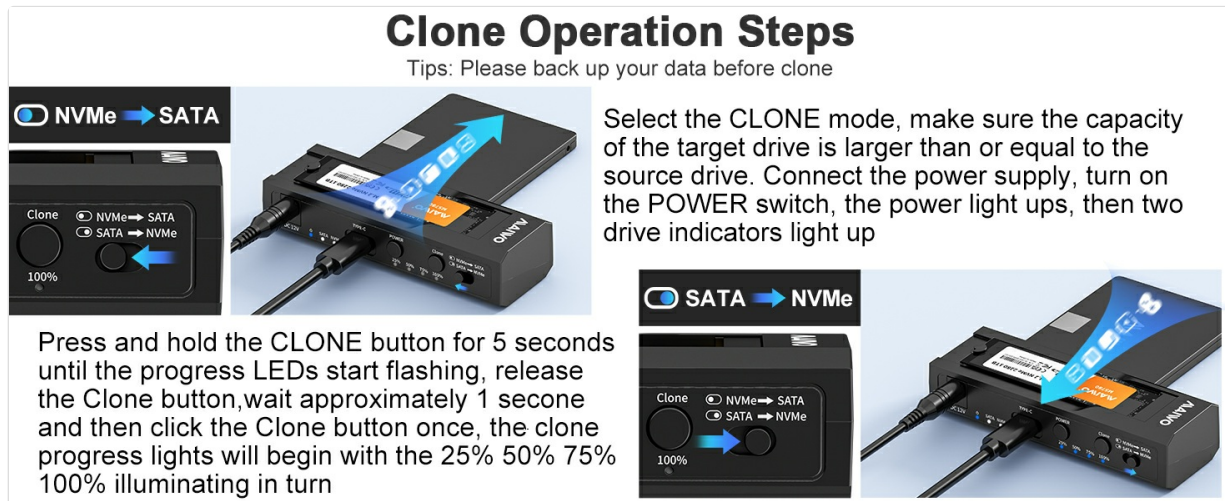

Image 6.2: Visual guide for performing an offline clone operation.

Image 6.3: Understanding the LED indicators for device status and cloning progress.

For a visual demonstration of the offline cloning process, please watch the video below:

Video 6.1: Short demonstration of the M.2 NVMe to SATA offline clone function.

7. Specifications

Feature	Description
Model Number	MAIWO-K10635N
Material	Acrylonitrile Butadiene Styrene (ABS)
Compatible Devices	Laptop, Desktop, etc.

Hard Disk Form Factor	M.2 NVMe, 2.5 Inches SATA, 3.5 Inches SATA
Max Number of Supported Devices	2 (1x M.2 NVMe, 1x SATA)
Data Transfer Rate	10 Gigabits Per Second (USB 3.1 Gen 2 Type-C)
Connectivity Technology	USB-C
Product Dimensions	5.35 x 1.57 x 7.2 inches
Item Weight	9.9 ounces
Hardware Platform	Universal

8. TROUBLESHOOTING

- **Device not recognized by computer:** Ensure all cables (power and USB-C) are securely connected. Try a different USB port or cable. Verify the power button is pressed and indicator lights are on.
- **New drive not appearing in 'This PC':** New drives must be initialized, partitioned, and formatted via Disk Management (refer to Section 5.3).
- **Offline cloning fails:** Ensure the target drive's capacity is equal to or larger than the source drive's capacity. Double-check the clone direction switch setting. Ensure only the power cable is connected during offline cloning.
- **Slow data transfer speeds:** Ensure you are using a USB 3.1 Gen 2 compatible port on your computer for optimal 10Gbps speeds. Older USB ports will result in lower speeds.
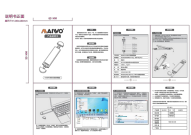
9. MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid dropping or subjecting the device to strong impacts.
- Store the device in a cool, dry place when not in use.

10. WARRANTY AND SUPPORT

MAIWO products are designed for reliability and performance. For warranty information and technical support, please refer to the official MAIWO website or contact your retailer. Keep your purchase receipt as proof of purchase for warranty claims.

11. CONTACT INFORMATION

For further assistance or inquiries, please visit the official MAIWO website or contact customer support through your purchase platform.

Related Documents - MAIWO-K10635N

	[MAIWO Dual Bay External Hard Drive Docking Station with Offline Clone - User Manual](#) User manual for the MAIWO dual bay external hard drive docking station, featuring offline cloning, USB 3.0, UASP support, and capacity for 2.5/3.5 inch SATA HDDs/SSDs up to 36TB.
	[MAIWO Dual Bay Hard Drive Docking Station with Offline Clone - User Guide](#) Comprehensive guide for the MAIWO Dual Bay Hard Drive Docking Station, covering setup, offline cloning, and USB 3.0 connectivity for 2.5/3.5 inch SATA HDDs/SSDs, CF, and SD cards.
	[MAIWO K1725P2 M.2 NVMe/SATA SSD Enclosure User Manual & Installation Guide](#) Comprehensive guide to installing and formatting an M.2 NVMe or SATA SSD in the MAIWO K1725P2 USB-C enclosure. Includes step-by-step instructions for setup, connection, and disk management.
	[MAIWO M.2 SSD Enclosure K1689/K1690 User Manual - High-Speed NVMe/SATA USB-C](#) Comprehensive user manual for the MAIWO M.2 SSD Enclosure (Models K1689/K1690). Learn how to install NVMe and SATA M.2 SSDs, connect via USB Type-C, and format your drive for high-speed data transfer. Includes specifications, installation steps, and warranty information.
	[MAIWO K1683P2 M.2 NVMe/SATA SSD Enclosure User Manual & Installation Guide](#) Comprehensive user manual and quick installation guide for the MAIWO K1683P2 M.2 SSD enclosure. Learn how to install, format, and use your NVMe or SATA M.2 SSD with USB 3.1 and Type-C connectivity.
	[MAIWO K3082H Dual Bay Hard Drive Docking Station with USB 3.0 Hub - User Manual](#) Comprehensive user guide for the MAIWO K3082H Dual Bay Hard Drive Docking Station. Features offline cloning, USB 3.0 hub, and support for 2.5/3.5 inch SATA HDD/SSD.