

Yottamaster NVMe Cloner

Yottamaster Dual-Bay M.2 NVMe Cloner Duplicator User Manual

Model: NVMe Cloner

Brand: Yottamaster

INTRODUCTION

Welcome to the user manual for the Yottamaster Dual-Bay M.2 NVMe Cloner Duplicator. This device is designed to provide efficient and reliable data cloning for M.2 NVMe SSDs, supporting both offline duplication and use as an external SSD enclosure. Please read this manual carefully to ensure proper setup and operation of your device.

PRODUCT FEATURES

- **Dual-Bay Design:** Supports two M.2 NVMe SSDs simultaneously.
- **Offline Cloning:** Perform 1:1 disk duplication without connecting to a computer.
- **High-Speed Data Transfer:** Up to 10Gbps via USB 3.1 Gen2 Type-C interface when used as an external enclosure.
- **Wide Compatibility:** Supports NVMe PCIe M.2 SSDs of sizes 2230, 2242, 2260, and 2280.
- **Large Capacity Support:** Single disk support up to 4TB, total capacity up to 8TB.
- **Durable Construction:** All-aluminum alloy enclosure for excellent heat dissipation.
- **Independent Power Supply:** Ensures stable performance during operation.





The Yottamaster Dual-Bay M.2 NVMe Cloner Duplicator, showcasing its compact and robust design.

High-efficient Backup

Stand-alone Offline Clone

Data copy between two hard drives
can be realized without PC



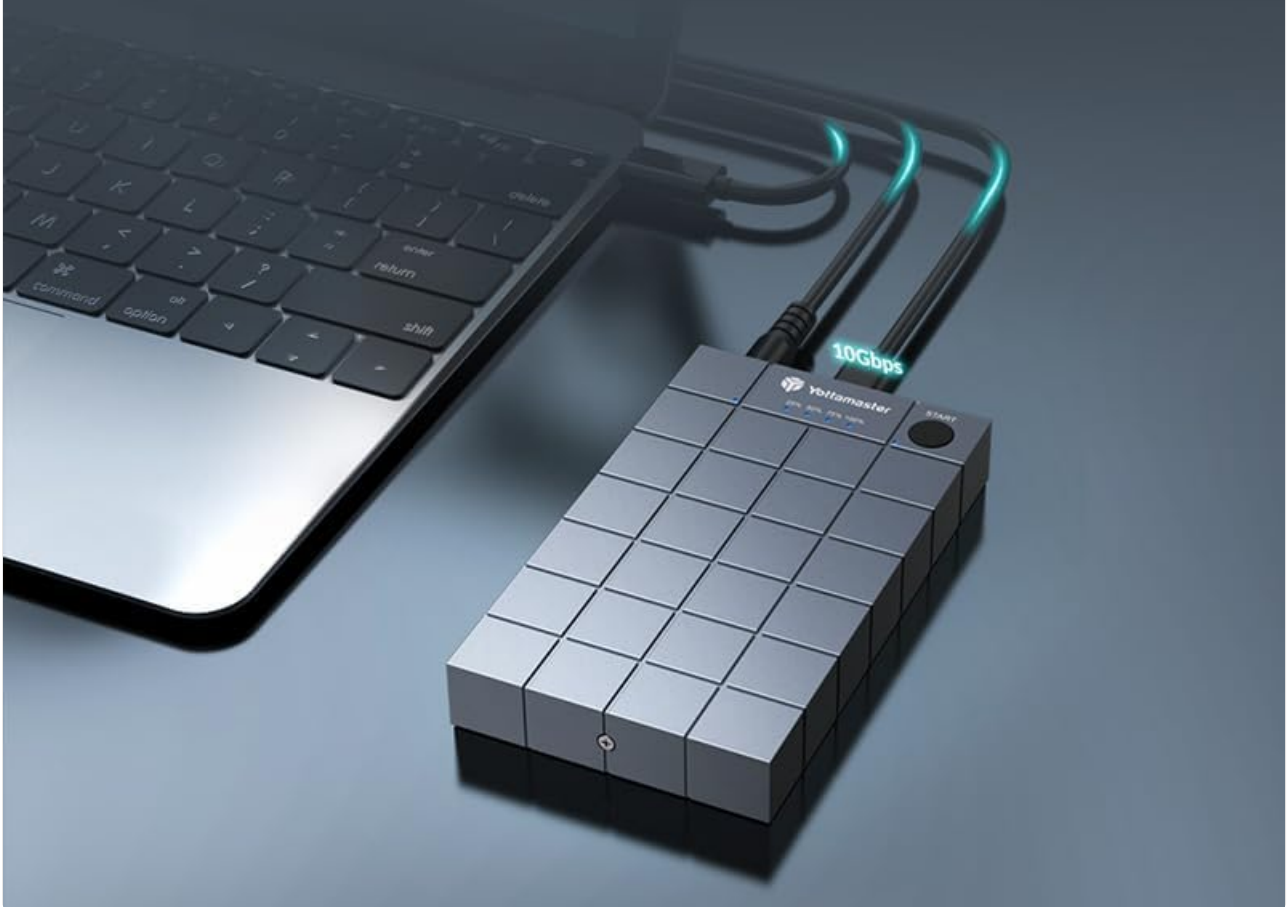
Target disk capacity has to be LARGER than source disk capacity

The Yottamaster NVMe Cloner demonstrating its stand-alone offline cloning function, allowing data copy between two hard drives without a PC.

Ultra-fast Data Transfer

10Gbps

With USB3.1 Gen2 Interface
nearly up to 1000MB/s transmission



The Yottamaster NVMe Cloner connected to a laptop, highlighting its ultra-fast 10Gbps data transfer capability via USB 3.1 Gen2 interface.

Large Capacity Storage

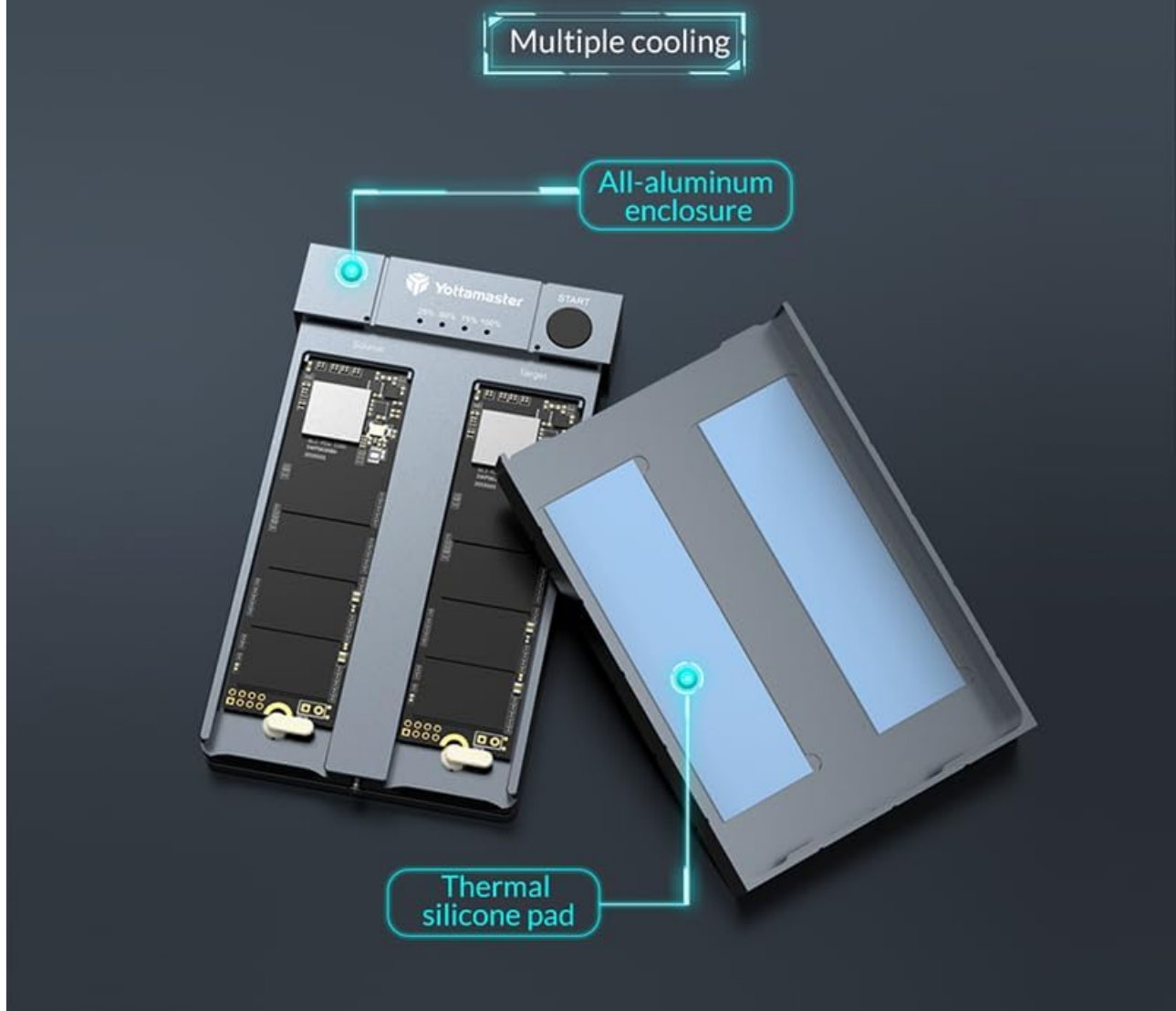
8TB expansion

Single disk support up to 4TB



The Yottamaster NVMe Cloner illustrating its support for large capacity storage, with single disk support up to 4TB.

Outstanding Heat Dissipation Performance



An exploded view of the Yottamaster NVMe Cloner, showcasing its all-aluminum enclosure and thermal silicone pads designed for outstanding heat dissipation.

PACKAGE CONTENTS

Please check the package contents upon unboxing:

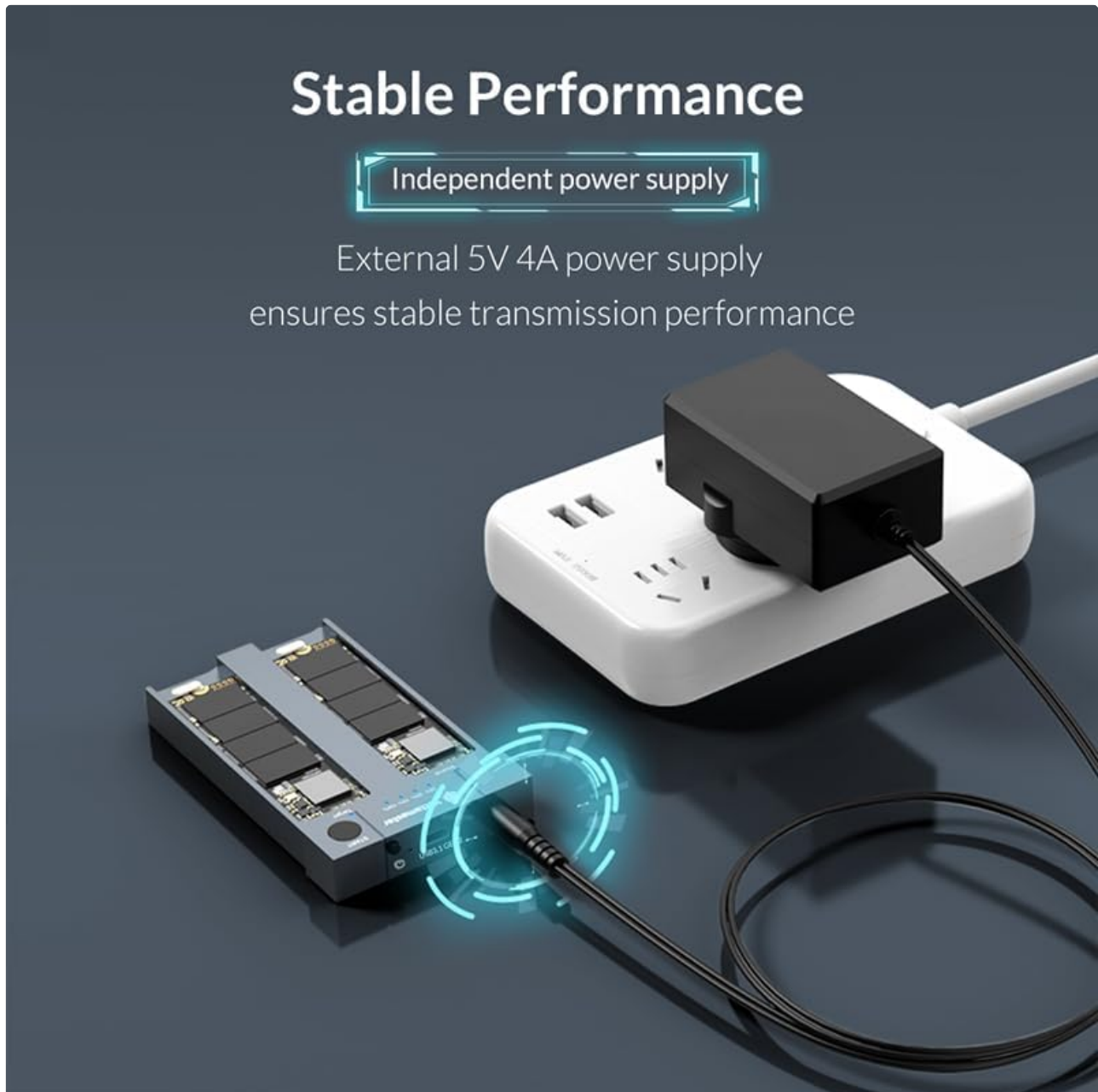
- Yottamaster Dual-Bay M.2 NVMe Cloner Duplicator
- USB-C to USB-C Cable
- Power Adapter (5V 4A)
- Thermal Silicone Pads
- User Manual

SETUP GUIDE

1. Installing NVMe SSDs

1. Identify the 'Source' and 'Target' slots on the duplicator.

2. Gently insert your M.2 NVMe SSD into the desired slot, ensuring it is fully seated. The device supports M-Key and B&M-Key NVMe SSDs of sizes 2230, 2242, 2260, and 2280.
3. If using for cloning, insert the original SSD into the 'Source' slot and the destination SSD into the 'Target' slot.
4. Apply the provided thermal silicone pads to the SSDs for optimal heat dissipation, ensuring they make contact with the enclosure.



A diagram illustrating the supported M.2 NVMe SSD types (M Key, B&M Key) and compatible sizes (2230, 2242, 2260, 2280) for the Yottamaster Cloner.

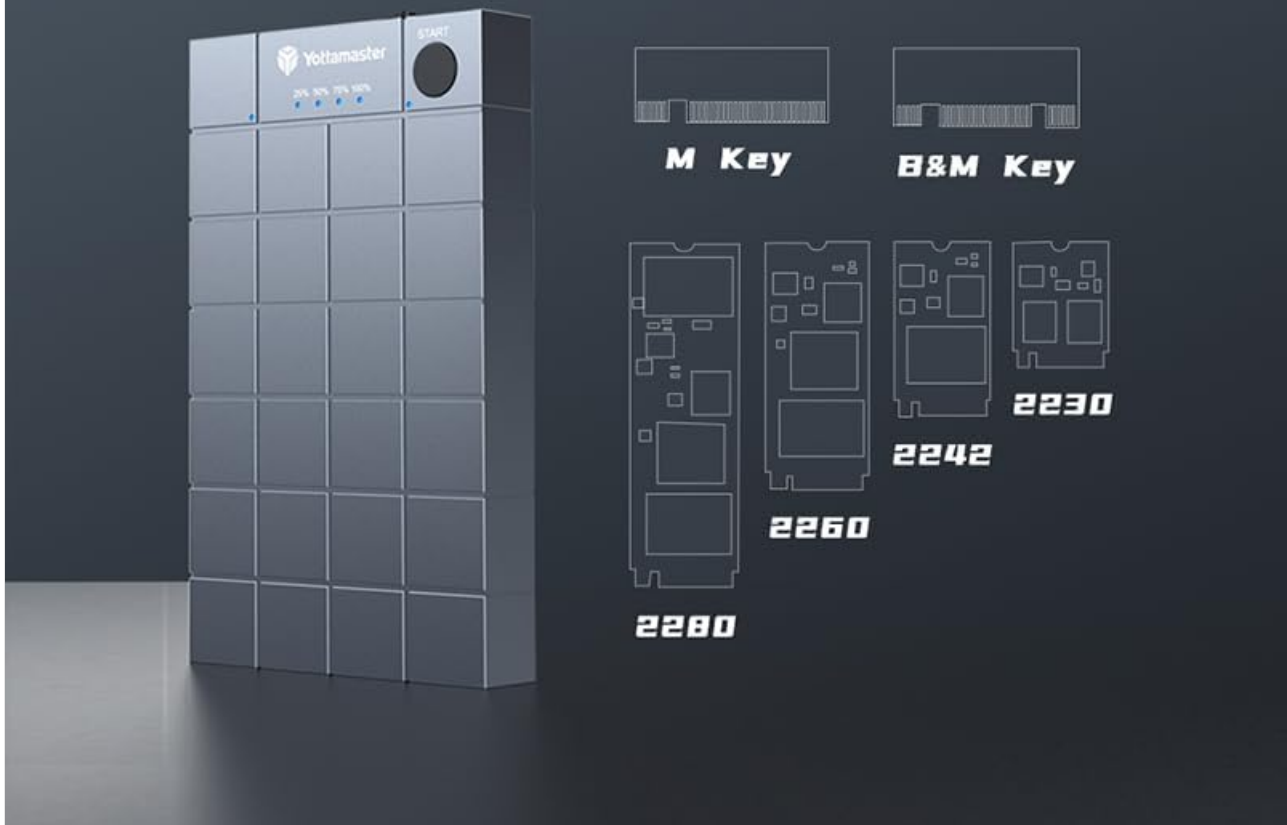
2. Power Connection

1. Connect the provided power adapter to the DC input port on the duplicator.
2. Plug the power adapter into a wall outlet. The power indicator light will illuminate.

Support Multi-kinds of SSDs

Connections & Sizes

Support 2280/2260/2242/2230 NVMe SSDs



The Yottamaster NVMe Cloner connected to its external 5V 4A power supply, ensuring stable performance.

3. Connecting to a Computer (for Online Use)

1. If you intend to use the device as an external SSD enclosure, connect the duplicator to your computer using the provided USB-C to USB-C cable.
2. Ensure your computer has a compatible USB-C port for optimal 10Gbps transfer speeds. If your computer only has USB-A ports, a USB-A to USB-C cable (not included) can be used, but speeds may be limited by the USB-A port's capabilities.

OPERATING INSTRUCTIONS

Offline Cloning (Stand-alone Duplication)

This mode allows you to clone an SSD without connecting the device to a computer.

1. Ensure the device is powered off.
2. Insert the source M.2 NVMe SSD into the 'Source' slot and the target M.2 NVMe SSD into the 'Target' slot.
Important: The target disk capacity must be equal to or larger than the source disk capacity.
3. Press and hold the 'START' button for approximately 3-5 seconds until the progress indicator LEDs (25%, 50%,

75%, 100%) begin to flash.

4. Release the button. The cloning process will begin. The LEDs will indicate the cloning progress.
5. Once all four indicator lights (25%, 50%, 75%, 100%) are continuously on, the cloning process is complete.
6. Power off the device and safely remove the SSDs.

Note on Partitioning: The cloning process duplicates the source drive exactly. If cloning to a larger drive, the clone will not automatically resize or expand the partition to fill the new drive's full capacity. You will need to manually extend the partition using disk management tools on your computer after the cloning is complete.

Online Use (External SSD Enclosure)

This mode allows you to use the device as a high-speed external SSD enclosure.

1. Ensure the device is powered off.
2. Insert one or two M.2 NVMe SSDs into the 'Source' and/or 'Target' slots.
3. Connect the device to your computer using the USB-C cable.
4. Power on the device. Your computer should recognize the inserted SSD(s) as external storage devices.
5. If a newly cloned target disk is not recognized by your computer, it may be in offline mode. Please manually bring it online using Disk Management (Windows) or Disk Utility (macOS).

MAINTENANCE

Care and Cleaning

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Ensure the device is powered off and unplugged before cleaning.

Heat Management

- During intensive operations like cloning or large data transfers, the aluminum enclosure may become warm. This is normal and indicates effective heat dissipation.
- If the device feels excessively hot, power it off and allow it to cool down before handling or further use.
- For prolonged operations, consider operating the device with the top cover removed to enhance airflow and cooling.

TROUBLESHOOTING

Common Issues and Solutions

- **Issue: Cloning fails or hangs at a certain percentage.**
Solution: Ensure the target disk capacity is equal to or larger than the source disk. Also, ensure the target disk is properly formatted before starting the cloning process if using it for the first time.
- **Issue: Computer does not recognize the target disk after cloning.**
Solution: After cloning, the target disk enters offline mode. You need to manually bring it online using Disk Management (Windows) or Disk Utility (macOS).
- **Issue: Device gets very hot during operation.**
Solution: This is normal for NVMe devices due to high-speed data transfer. The aluminum enclosure acts as a heatsink. Ensure proper ventilation around the device. If operating for extended periods, consider removing the top cover to improve airflow. Allow the device to cool down if it becomes excessively hot.
- **Issue: Cannot clone SATA SSD to NVMe SSD.**
Solution: This device only supports NVMe to NVMe cloning. It is not compatible with SATA SSDs.

- **Issue: Cloning to a larger drive does not expand the partition automatically.**
Solution: The cloning process creates an exact copy of the source partition. You will need to manually extend the partition using your operating system's disk management tools after the cloning is complete.
- **Issue: Device not recognized by computer when used as an external enclosure.**
Solution: Ensure the USB cable is securely connected to both the device and the computer. Verify the power adapter is connected and the device is powered on. Try a different USB port or cable.

SPECIFICATIONS

Model Number	NVMe Cloner
Memory Storage Capacity	Up to 8 TB (4TB per slot)
Compatible Devices	Laptop, Desktop PC
Max Number of Supported Devices	2 (M.2 NVMe SSDs)
Data Transfer Rate	10 Gigabits Per Second (USB 3.1 Gen2)
Hardware Interface	USB Type C
Product Dimensions	4.41 x 2.56 x 0.59 inches
Item Weight	1.21 pounds
Material	Aluminum Alloy
Color	Grey

WARRANTY AND SUPPORT

Warranty Information

Yottamaster products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Yottamaster website.

Customer Support

If you encounter any issues or have questions regarding your Yottamaster Dual-Bay M.2 NVMe Cloner Duplicator, please contact Yottamaster customer support. You can find more information and contact details on the official [Yottamaster Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question