

Yottamaster KB500

Yottamaster 5-Bay Hard Drive Docking Station KB500 Instruction Manual

Brand: Yottamaster | Model: KB500

1. INTRODUCTION

The Yottamaster 5-Bay Hard Drive Docking Station KB500 is a versatile device designed for efficient data management, offering both high-speed data transfer and offline cloning capabilities. It supports up to five 2.5-inch or 3.5-inch SATA SSD/HDD drives, with a total capacity of up to 90TB. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

- **5-Bay Offline Cloning:** Simultaneously clone up to four hard drives from a single source without a PC connection.
- **90TB Large Capacity:** Supports five 2.5" or 3.5" SATA I/II/III SSD/HDD drives, with a single disk capacity up to 18TB.
- **5Gbps High-Speed Transfer:** Features USB 3.2 Gen 1 Type-C output and UASP acceleration protocol for fast data transfer.
- **Compatibility:** Compatible with Windows and Mac OS, offering tool-free installation, plug-and-play, and hot-swappable capability.
- **Durable Design:** Constructed from high-quality plastic and aluminum alloy for protection and enhanced heat dissipation.

2. PRODUCT OVERVIEW



Hard Drive Docking Station with Offline Clone

Efficiently Back up and Transfer Files. Ensuring Your data is Safe and Reliable



The Yottamaster 5-Bay Hard Drive Docking Station facilitates efficient file backup and data transfer, safeguarding your valuable data.

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Official product video demonstrating the features and usage of the Yottamaster 5-Bay Hard Drive Docking Station KB500, including drive installation and connectivity.

3. SETUP AND INSTALLATION

3.1 Drive Installation

The Yottamaster docking station features tool-free installation for both 2.5-inch and 3.5-inch SATA SSD/HDD drives. Ensure the device is powered off before inserting or removing drives.

1. Gently open the drive bay flap.
2. Align your 2.5-inch or 3.5-inch SATA drive with the connector inside the bay.
3. Carefully push the drive down until it is securely seated. The flap will close around the drive.
4. Repeat for additional drives as needed.

Offline Clone Duplicator

High-efficient Backup, No Computer Needed

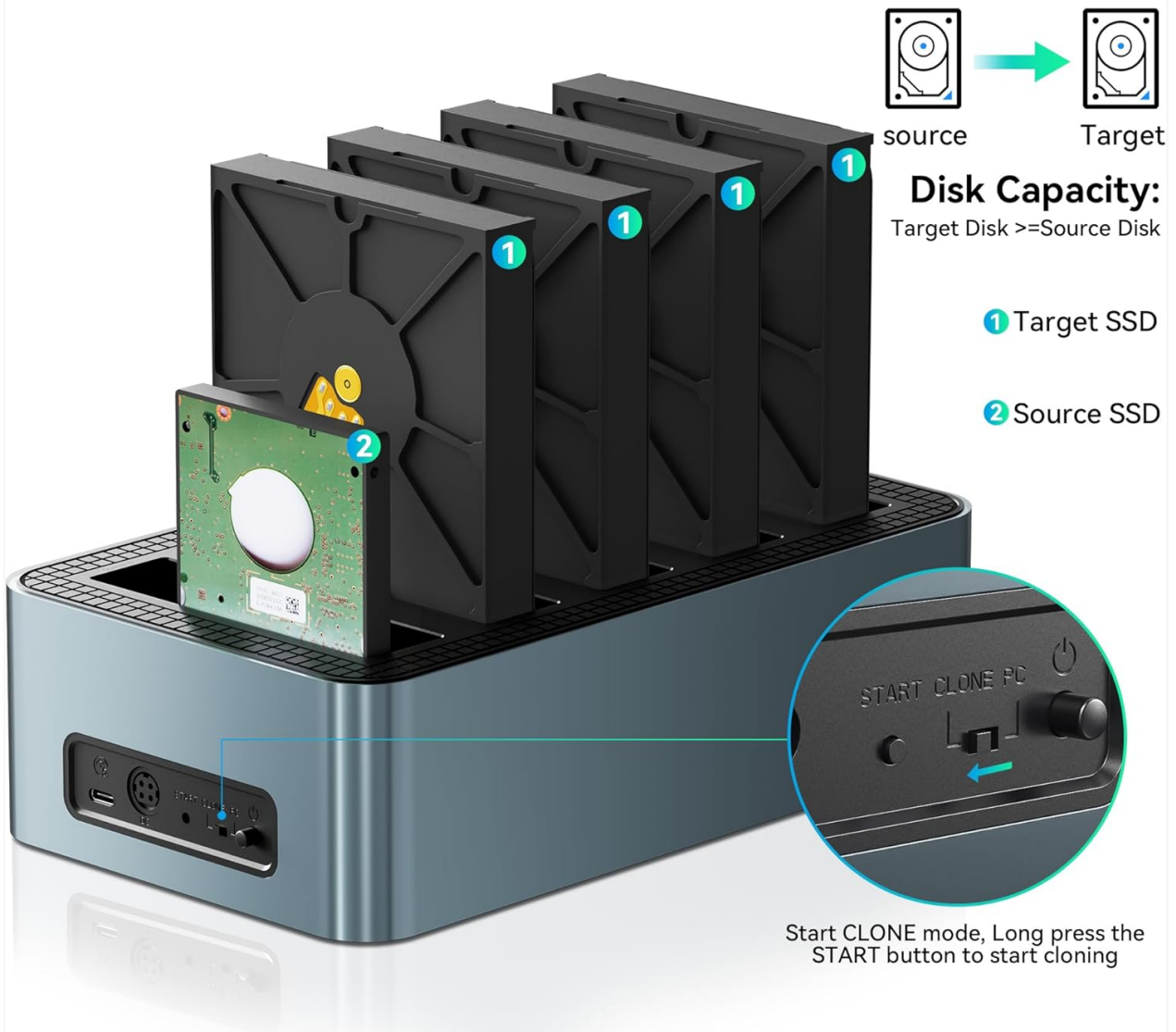


Image illustrating the tool-free installation process for 2.5-inch and 3.5-inch SATA SSD/HDD drives.

3.2 Connecting to a Computer

The docking station supports both USB-C and USB-A connections for broad compatibility.

1. Connect the power adapter to the DC 12V port on the back of the docking station and plug it into a power outlet.
2. Connect the included USB 3.2 Gen 1 Type-C cable to the docking station's Type-C port.
3. Connect the other end of the USB cable to an available USB-C or USB-A port on your computer. For optimal performance, use a USB 3.0 or higher port.
4. Flip the power switch on the back of the docking station to the 'ON' position. The power indicator LED will illuminate.
5. Your computer should automatically detect the connected drives.

Support USB-C and USB-A Devices

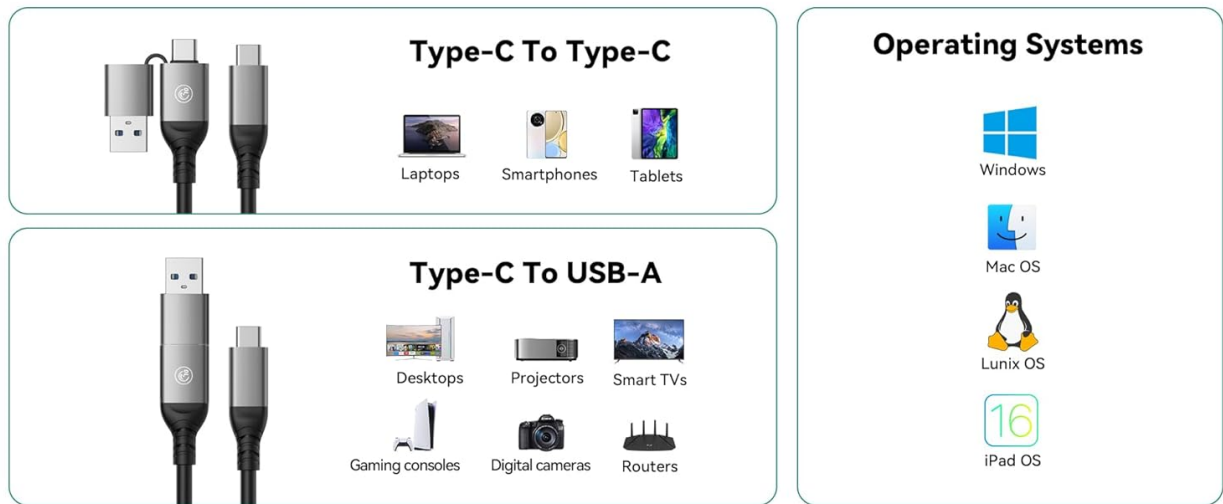


Diagram illustrating the universal compatibility of the docking station with various USB-C and USB-A devices and operating systems.

4. OPERATING INSTRUCTIONS

4.1 Data Transfer Mode

Once connected to your computer and powered on, the installed drives will appear as individual storage devices. You can drag and drop files, perform backups, or access data directly from any of the five bays. The USB 3.2 Gen 1 interface, combined with UASP, ensures transfer speeds of up to 5Gbps.

1GB File Transfer in 5 Seconds

Faster Reading and Writing



USB 3.2 GEN 1
High Speed Transfer

UASP
USB 3.2 GEN 1
480Mbps
USB 2.0

5Gbps

10X faster than
USB 2.0

Image demonstrating high-speed 5Gbps data transfer from the docking station to a laptop.

4.2 Offline Cloning Mode

The offline cloning function allows you to duplicate a source drive to up to four target drives without needing a computer connection. Ensure the target drives have equal or greater capacity than the source drive.

1. Ensure the docking station is powered off.
2. Insert the **Source Drive** into the designated 'Source' bay (usually the first bay).
3. Insert the **Target Drives** into the 'Target' bays (up to four drives).
4. Connect the power adapter and turn on the docking station.
5. Press and hold the 'CLONE' button for approximately 3-5 seconds until the cloning indicator lights begin to flash.
6. Release the button, then press it again within 5 seconds to confirm and start the cloning process.
7. The progress indicator LEDs (25%, 50%, 75%, 100%) will illuminate sequentially to show the cloning status.
8. Once all indicator LEDs are solid, the cloning process is complete. Power off the device before removing drives.



Diagram showing the offline cloning process from a source drive to multiple target drives.

Tool-Free Installation for all 2.5"/3.5" SATA I/II/III HDD & SSD

Plug-and-Play, Simultaneously Read and Write from Two 18TB SSD



2.5" + 2.5"



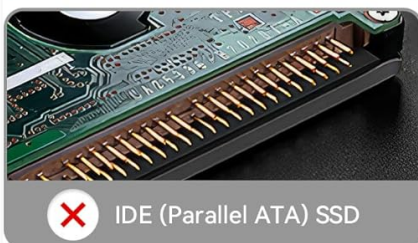
2.5" + 3.5"



3.5" + 3.5"



2.5"/3.5" SATA
(Serial ATA) SSD/HDD



IDE (Parallel ATA) SSD



Step-by-step visual instructions for initiating the offline cloning function.

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Video demonstrating the offline cloning process on a similar multi-bay hard drive duplicator.

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Video showcasing the offline cloning and drive docking features of an M.2 NVMe and SATA SSD/HDD dock.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Yottamaster docking station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Heat Dissipation:** Ensure proper ventilation around the device. The aluminum alloy design aids in heat dissipation, but do not block ventilation holes.

Durable Aluminum Alloy Design

Provides High Performance and Fast Heat Dissipation



Image highlighting the durable aluminum alloy design, which contributes to effective heat dissipation.

6. TROUBLESHOOTING

If you encounter issues with your Yottamaster docking station, please refer to the following common troubleshooting steps:

- **Drive Not Detected:**

- Ensure the power adapter is securely connected and the device is powered on.
- Verify that the USB cable is properly connected to both the docking station and your computer.
- Try a different USB port on your computer.
- Ensure the drive is correctly seated in its bay. Remove and reinsert the drive.
- Check your computer's Disk Management (Windows) or Disk Utility (Mac OS) to see if the drive is recognized but uninitialized or unformatted.

- **Slow Transfer Speeds:**

- Ensure you are connected to a USB 3.0 (or higher) port on your computer. USB 2.0 ports will result in slower speeds.

- Verify that your operating system supports UASP (USB Attached SCSI Protocol) for enhanced performance.
 - The performance of the drives themselves can affect transfer speeds. Older HDDs will be slower than modern SSDs.
- **Offline Cloning Failure:**
 - Ensure the target drive(s) capacity is equal to or larger than the source drive's capacity.
 - Confirm that the source and target drives are correctly inserted into their respective bays.
 - Follow the offline cloning steps precisely, especially the timing for pressing the 'CLONE' button.

7. SPECIFICATIONS

Feature	Detail
Brand	Yottamaster
Model	KB500
Drive Bays	5
Compatible Drives	2.5"/3.5" SATA I/II/III SSD/HDD
Max Single Disk Capacity	18TB
Total Max Capacity	90TB (5x18TB)
Interface	USB 3.2 Gen 1 Type-C
Transfer Speed	Up to 5Gbps
UASP Support	Yes
Offline Cloning	1-to-4 Cloning
Material	Plastic and Aluminum Alloy
Color	Black
Compatible OS	Windows, Mac OS
Item Weight	2.92 pounds
Package Dimensions	3.94 x 1.97 x 1.18 inches

8. WARRANTY AND SUPPORT

Yottamaster products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Yottamaster website.

For technical support, troubleshooting assistance, or any inquiries regarding your Yottamaster 5-Bay Hard Drive Docking Station KB500, please contact Yottamaster customer service through their official website or the retailer where the product was purchased.

