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WAVLINK 334uard

WAVLINK USB 3.0 Dual-Bay Hard Drive Docking Station User Manual

Model: 334uard

1. Introduction

Thank you for choosing the WAVLINK USB 3.0 Dual-Bay Hard Drive Docking Station. This device provides a convenient and efficient solution for accessing, backing up, and cloning 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs. Designed for ease of use, it supports high-speed data transfer and offline cloning without the need for a computer. Please read this manual carefully to ensure proper operation and maximize the utility of your docking station.

2. Product Overview



The WAVLINK USB 3.0 Dual-Bay Hard Drive Docking Station, featuring a black body with red drive bays and a central power/clone button with LED indicators.



Rear view of the docking station, highlighting the USB 3.0 Type-B port, DC 12V power port, and the On/Off switch.



The docking station connected to a laptop, demonstrating its dual-bay design and compatibility with both 2.5-inch and 3.5-inch SATA HDDs/SSDs.



Illustrations of the docking station's versatility, showing its use with a laptop, a PlayStation 4, and an HD TV for various data access needs.

Key Features:

- **Offline Clone Function:** Duplicate data from one hard drive to another without connecting to a computer.
- **Dual Bay Connections:** Supports two 2.5-inch or 3.5-inch SATA I/II/III HDD/SSD drives simultaneously.
- **Extensive Capacity:** Access up to 2x16TB drives.
- **UASP Accelerated:** Super speed USB 3.0 data transfers up to 5 Gbps (420MB/s), offering up to 70% faster read and 40% faster write speeds than traditional USB 3.0.
- **Plug and Play & Hot Swap:** Easy installation and removal of drives.
- **Wide Compatibility:** Compatible with Windows, Mac OS, Linux, and Android (OTG function required for Android).
- **Considerate Design:** Features anti-slip pads and smart auto-sleep function for drive protection.

3. Package Contents



The complete package contents, including the docking station, USB cables, power adapter, and quick start guide.

Please check the package contents upon opening. If any items are missing or damaged, please contact customer support.

- 1 x WAVLINK USB 3.0 Dual-Bay Docking Station
- 1 x USB-B to USB-A Cable
- 1 x Power Adapter (12V/3A)
- 1 x USB-A to USB-C Adapter
- 1 x Quick Start Guide

4. Setup and Connection

The WAVLINK docking station is designed for tool-free installation and plug-and-play functionality.



A visual guide demonstrating the four simple steps for connecting and using the docking station.

1. **Insert Drives:** Gently insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the desired slot(s) (Source or Target) of the docking station. Ensure the drive is fully seated.
2. **Connect Power:** Connect the provided 12V/3A power adapter to the DC IN port on the back of the docking station, then plug it into a power outlet.
3. **Power On:** Flip the ON/OFF switch on the back of the docking station to the 'ON' position. The power indicator LED on the front will illuminate.
4. **Connect to Computer:** Connect the USB-B end of the USB 3.0 cable to the docking station and the USB-A end to an available USB 3.0 port on your computer. If your computer has a USB-C port, use the included USB-A to USB-C adapter. Your operating system should automatically detect the drive(s).

For Android devices, ensure your phone supports OTG (On-The-Go) function to access hard drive data.

5. Operating Instructions

5.1. Data Transfer (Online Mode)

Once connected to your computer, the inserted drives will appear as external storage devices. You can drag and drop files, copy, paste, and manage data as you would with any other external drive. The USB 3.0 interface with UASP support ensures fast and efficient data transfer.



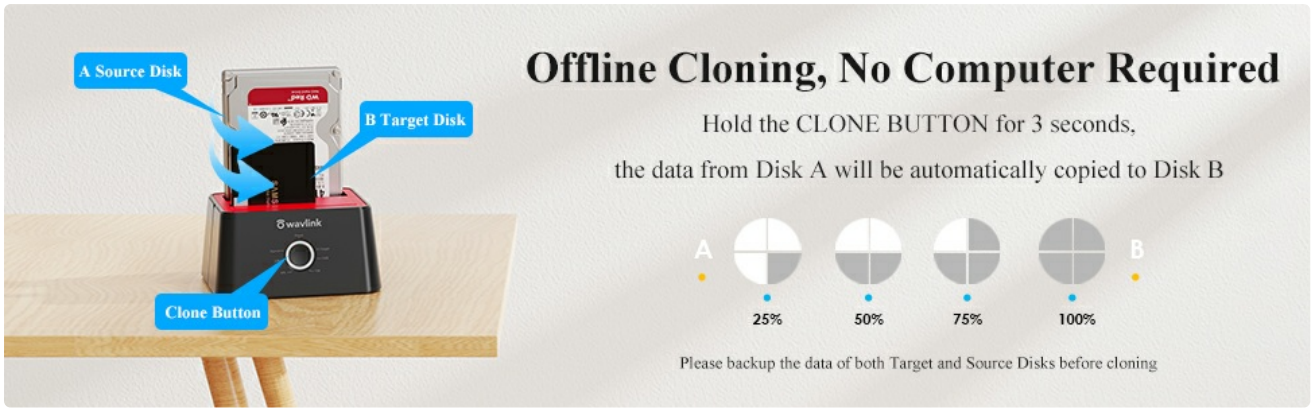
The docking station facilitating high-speed data transfer between a hard drive and a MacBook Pro, indicating 5 Gbps transfer rates.

5.2. Offline Clone Function

The offline clone function allows you to duplicate a source disk to a target disk without connecting to a computer. This is ideal for system backups or drive upgrades.



The docking station with two hard drives inserted, illustrating the offline cloning process where data is copied from Source Disk A to Target Disk B.



A diagram illustrating the offline cloning process, showing data flow from Source Disk A to Target Disk B, activated by holding the clone button.

Steps for Offline Clone:

1. Ensure the docking station is powered OFF and the USB cable is disconnected from the computer.
2. Insert the **Source Disk** (the drive you want to copy from) into hard drive bay A.
3. Insert the **Target Disk** (the drive you want to copy to) into hard drive bay B.
4. Connect the power adapter and turn the ON/OFF switch to 'ON'.
5. Hold the **CLONE** button for approximately 3 seconds. All LED indicators (25%, 50%, 75%, 100%) will illuminate. This indicates the clone process has started.
6. The progress LEDs (25%, 50%, 75%, 100%) will flash sequentially and then turn solid blue as each stage of the cloning process is completed.
7. Once all four LEDs are solid blue, the cloning process is complete.
8. Turn the ON/OFF switch to 'OFF', disconnect the power adapter, and then safely remove your drives.

Important Tips for Offline Clone:

- The capacity of the target disk **must be larger than or equal to** the source disk.
- Ensure both your source and target drives are functioning properly before starting the clone.
- Always use the provided 12V power adapter to ensure a stable power supply during transmission.
- To avoid data transfer errors, overheating, or damage, ensure there are no faulty cells on the drives.
- Do not remove or insert drives while the cloning process is active. Always power off the dock before removing drives.
- Be aware that the cloning process will erase all existing data on the target drive. The target drive will become an exact copy of the source drive, including partition, format, and data.

6. Maintenance

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

- **Keep Clean:** Regularly wipe the exterior of the docking station with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- **Dust Protection:** The docking station features a dust-proof design. However, keep it in a clean environment to prevent dust accumulation in the drive bays.
- **Proper Ventilation:** Ensure the docking station is placed in a well-ventilated area to prevent overheating, especially during prolonged use or cloning operations.
- **Safe Handling:** Avoid dropping or subjecting the device to strong impacts.
- **Power Management:** Always use the provided power adapter. Disconnect power when the device is not in use for extended periods.
- **Smart Auto-sleep:** The device features a smart auto-sleep function to conserve power and protect drives when inactive.

7. Troubleshooting

If you encounter issues with your WAVLINK docking station, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drive not detected by computer.	Loose connection, drive not properly seated, uninitialized/unformatted drive, faulty USB port/cable.	Ensure all cables are securely connected. Re-insert the drive firmly. Check Disk Management (Windows) or Disk Utility (Mac) to see if the drive is recognized but needs initialization or formatting. Try a different USB port or cable.
Offline clone fails or stops.	Target disk capacity too small, faulty drives, power interruption, USB cable connected.	Ensure target disk capacity is larger than source. Verify both drives are healthy. Ensure stable power supply. Disconnect USB cable from computer before cloning.

Problem	Possible Cause	Solution
Slow data transfer speeds.	Connected to USB 2.0 port, drive performance limitations, fragmented data.	Connect to a USB 3.0 port on your computer. Ensure your drives are performing optimally. Defragment HDDs if necessary.
Drives become corrupted or inaccessible.	Improper drive removal, faulty drive cells, sudden power loss.	Always safely eject drives from your operating system before physically removing them. Power off the docking station before removing drives. If data is corrupted, use disk repair tools (e.g., `chkdsk` on Windows).
Docking station not powering on.	Power adapter not connected, faulty power outlet, faulty adapter.	Ensure power adapter is securely connected to both the dock and a working power outlet. Try a different outlet.

If the problem persists after trying these solutions, please contact WAVLINK customer support for further assistance.

8. Specifications

Feature	Specification
Brand	WAVLINK
Model	334uard
Hardware Interface	USB 3.0 (backward compatible with USB 2.0/1.1), USB Type-C (via adapter)
Compatible Drives	2.5-inch / 3.5-inch SATA I/II/III HDD/SSD
Max Capacity Supported	Up to 2 x 16TB (32TB total)
Number of Bays	2 (Dual Bay)
Data Transfer Speed	Up to 5 Gbps (USB 3.0 with UASP)
Hardware Platform Compatibility	Windows, Mac OS, Linux, Android
Material	Aluminum, Plastic
Power Adapter	DC 12V/3A
Dimensions (L x W x H)	16.6 x 13.2 x 12.6 cm
Weight	700 g

9. Warranty and Support

WAVLINK provides a 1-year worry-free warranty for this product. Registered members may receive an additional 6 months of warranty coverage. We are committed to providing life-long friendly customer service and technical support.
For technical assistance, troubleshooting, or warranty claims, please visit the official WAVLINK website or contact their customer support team directly. Refer to the Quick Start Guide included in your package for contact information or scan the QR code provided in the guide for online resources.

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