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WAVLINK 334UA-RD

WAVLINK USB 3.0 to SATA Dual Bay Hard Drive Docking Station

MODEL: 334UA-RD

Introduction

This manual provides detailed instructions for the WAVLINK USB 3.0 to SATA Dual Bay Hard Drive Enclosure Docking Station, Model 334UA-RD. This device is designed to provide a convenient and efficient solution for managing 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs, offering features such as high-speed data transfer via USB 3.0 with UASP support, and a standalone offline cloning function. Please read this manual thoroughly before use to ensure proper operation and longevity of your device.



Front view of the WAVLINK Dual Bay Hard Drive Docking Station, showcasing its sleek design and dual drive bays.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x WAVLINK USB 3.0 Dual Bay Hard Drive Enclosure 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



Image showing the WAVLINK docking station and its included accessories: USB cable, power adapter, USB-C adapter, and quick start guide.

Product Features

- **Dual Bay Compatibility:** Supports all 2.5-inch and 3.5-inch SATA I/II/III HDD/SSD drives.
- **High Capacity Support:** Accommodates up to 2x16TB hard drives simultaneously.
- **Offline Clone Function:** Allows direct duplication of data from one hard drive to another without requiring a computer connection. The target disk must be larger than the source disk.
- **UASP Accelerated Transfer:** Achieves SuperSpeed USB 3.0 data transfer rates up to 5 Gbps (420MB/s), offering up to 70% faster read speed and 40% faster write speed compared to traditional USB 3.0. Backward compatible with USB 2.0/1.1.
- **Plug and Play & Hot Swap:** No driver installation needed for most operating systems. Drives can be inserted and removed without restarting the computer.
- **LED Indicators:** Provides visual feedback on power status and cloning progress (25%, 50%, 75%, 100%).
- **Broad OS Compatibility:** Compatible with Windows, Mac OS, Linux, and Android (requires OTG function on Android devices).
- **Durable Design:** Features a solid shockproof aluminum case and an efficient heatsink for reliable data transfers and low power consumption.

Setup

Follow these steps to set up your WAVLINK Dual Bay Hard Drive Docking Station:

1. **Insert Drives:** Gently insert your 2.5-inch or 3.5-inch SATA HDDs/SSDs vertically into the designated slots. Ensure they are fully seated. The 'Source' slot is for the drive you want to copy from, and the 'Target' slot is for the drive you want to copy to (for offline cloning). For data transfer, either slot can be used.

2. **Connect Power:** Connect the provided 12V/3A power adapter to the DC 12V port on the back of the docking station, then plug it into a power outlet. Turn on the power switch.
3. **Connect to Computer:** Use the supplied USB-B to USB-A cable to connect the docking station's USB 3.0 port to a USB 3.0 port on your computer. If your computer only has USB-C ports, use the included USB-A to USB-C adapter.
4. **System Recognition:** Your operating system (Windows, macOS, Linux) should automatically detect the connected drives. If the drives are new or unformatted, you may need to initialize and format them through your computer's Disk Management (Windows) or Disk Utility (macOS) before use.



Visual guide for the plug-and-play installation process, showing drive insertion, power connection, and USB connection to a laptop.



Rear view of the docking station, highlighting the USB 3.0 port, DC 12V power input, and the ON/OFF switch.

Operating Instructions

A. Data Transfer (Online Mode)

Once the docking station is connected to your computer and powered on, the inserted drives will appear as separate external storage devices. You can then drag and drop files, perform backups, or access data as you would with any other external drive. The UASP protocol ensures optimized data transfer speeds.

B. Offline Clone Function

The offline clone function allows you to duplicate a hard drive without connecting the docking station to a computer. This is ideal for creating exact copies of drives for backup or system migration.

1. **Prepare Drives:** Ensure the docking station is powered off. Insert the**Source Disk** (the drive you want to copy from) into the 'Source' slot and the **Target Disk** (the drive you want to copy to) into the 'Target' slot.
2. **Important Note:** The capacity of the Target Disk must be equal to or larger than the Source Disk. All data on the Target Disk will be erased during the cloning process. Back up any important data from the Target Disk before proceeding.
3. **Start Cloning:** Power on the docking station. Press and hold the 'CLONE' button for approximately 3 seconds until the cloning progress indicator LEDs (25%, 50%, 75%, 100%) begin to flash.
4. **Monitor Progress:** The LEDs will illuminate progressively to indicate the cloning progress. When all LEDs are solid, the cloning process is complete.
5. **Completion:** Once cloning is finished, power off the docking station before removing the drives.



Diagram illustrating the offline cloning process, showing source and target disk placement and clone button.

Maintenance

To ensure optimal performance and longevity of your docking station:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or humidity.
- Always power off the docking station before inserting or removing drives, especially during offline cloning, to prevent data corruption or damage.
- When connected to a computer, always safely eject drives through your operating system before physically removing them or powering off the docking station.

Troubleshooting

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

- **Drive Not Detected:**
  a. Ensure the power adapter is securely connected and the docking station is powered on.
  b. Verify the USB cable is firmly connected to both the docking station and the computer. Try a different USB port on your computer.
  c. Ensure the HDD/SSD is correctly inserted into the bay. Try re-inserting the drive.
  d. Check Disk Management (Windows) or Disk Utility (macOS) to see if the drive is recognized but unformatted or uninitialized.
  e. Test with a different HDD/SSD to rule out drive issues.
- **Slow Transfer Speeds:**
  a. Ensure you are connected to a USB 3.0 port on your computer. USB 2.0 ports will result in significantly slower speeds.
  b. Verify that your operating system and drivers support UASP.
  c. Check the condition of your HDD/SSD. Older or fragmented drives may perform slower.
- **Offline Clone Issues:**
  a. Confirm the Target Disk capacity is equal to or larger than the Source Disk.
  b. Ensure both drives are properly seated in their respective slots.
  c. Power cycle the docking station and try the cloning process again.

For more detailed troubleshooting, please consult the officialTroubleshooting Guide (PDF) provided by WAVLINK.

Specifications

Attribute	Value
Brand	WAVLINK
Model Number	334UA-RD
Hardware Interface	USB 3.0
Compatible Drive Types	2.5" / 3.5" SATA I/II/III HDD/SSD
Max Storage Capacity	2 x 16 TB (32 TB total)
Data Transfer Rate	Up to 5 Gbps (USB 3.0 with UASP)
Compatible Operating Systems	Windows, Mac OS, Linux, Android

Attribute	Value
Material	Plastic
Color	Red
Item Weight	0.69 Kilograms (1.52 pounds)
Package Dimensions	6.73 x 5.28 x 5.04 inches

Warranty and Support

WAVLINK offers comprehensive support for its products:

- **Refund/Replacement:** Enjoy a 30-day free refund or replacement policy.
- **Warranty:** The product comes with a 1-Year hassle-free warranty.
- **Customer Service:** Life-long friendly customer service and technical support are available.

For further assistance, please refer to the officialUser Guide (PDF) or contact WAVLINK customer support directly.

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