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WAVLINK WL-ST342U

Wavlink USB 3.0 Dual Bay HDD/SSD Docking Station (WL-ST342U) Instruction Manual

Model: WL-ST342U

Introduction

Thank you for purchasing the Wavlink USB 3.0 Dual Bay HDD/SSD Docking Station. This device is designed to provide convenient access to 2.5-inch and 3.5-inch SATA hard drives and solid-state drives, offering high-speed data transfer and an offline cloning function without the need for a computer. Please read this manual carefully to ensure proper use and optimal performance.

Package Contents

Verify that all items are present in your package:

- 1x Wavlink USB 3.0 Dual Bay HDD/SSD Docking Station (WL-ST342U)
- 1x PSE Certified AC Power Adapter
- 1x USB 3.0 Type-B to Type-A Cable
- 1x Instruction Manual (Japanese + English)
- 1x Service Card



Image: The Wavlink docking station, AC adapter, USB 3.0 cable, and manuals included in the package.

Setup Instructions

1. **Connect Power:** Connect the PSE certified AC power adapter to the docking station's DC 12V power port and then plug it into a power outlet.
2. **Insert Drives:** Gently insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the drive slots (Source and Target). Ensure they are securely seated. The docking station supports two drives simultaneously.
3. **Connect to Computer (for data transfer):** If you intend to use the docking station for data transfer to or from a computer, connect the USB 3.0 cable from the docking station's USB 3.0 Type-B port to an available USB port on your computer.
4. **Power On:** Press the ON/OFF button on the docking station to power it on. The status indicators will illuminate.

Important Note for New HDDs:

New hard drives (HDDs) must be partitioned before they can be detected and used by your operating system. Failure to partition a new HDD may result in it not being recognized.

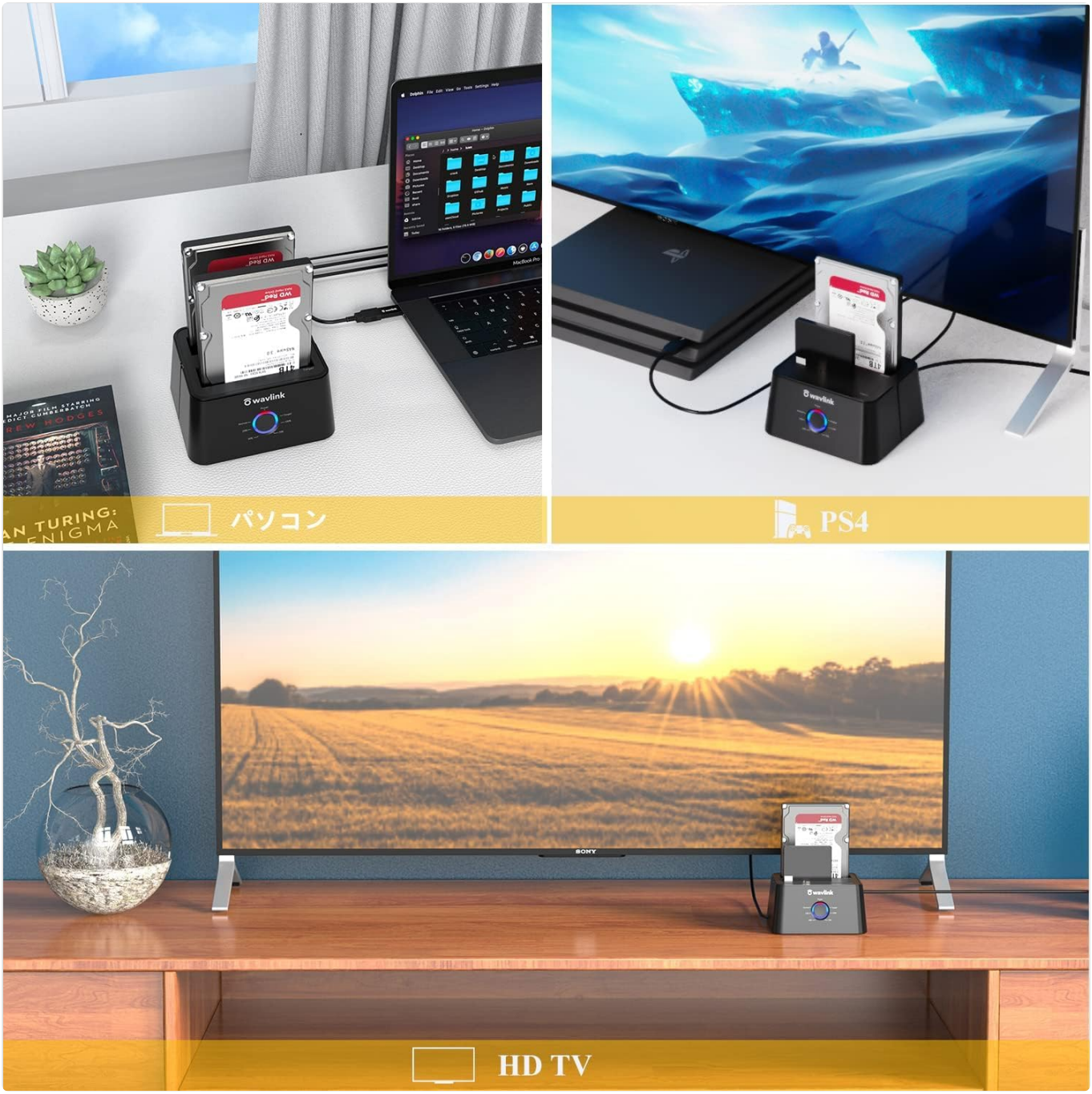

Image: The rear panel of the docking station, highlighting the USB 3.0 Type-B port, DC 12V power input, and the ON/OFF switch.

Operating Instructions

A. Data Transfer Mode (Connected to PC)

When connected to a computer via the USB 3.0 cable, the docking station functions as an external drive enclosure, allowing you to access and transfer data at high speeds.

- Ensure the docking station is powered on and connected to your computer.
- Your operating system (Windows, Mac OS, Linux, Android) should automatically detect the inserted drives.
- You can now drag and drop files, copy, paste, and manage data on the drives as you would with any internal or external storage device.
- The USB 3.0 interface supports data transfer speeds up to 5 Gbps and is backward compatible with USB 2.0 and USB 1.0.



Image: The docking station connected to a laptop, demonstrating high-speed data transfer for large files.

B. Offline Clone Function (Standalone)

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

1. **Preparation:**
    - **Disconnect from PC:** Ensure the docking station is NOT connected to any computer via USB.
    - **Insert Drives:** Insert the **Source Disk** (the drive you want to copy FROM) into the 'Source' slot (HDD1). Insert the **Target Disk** (the drive you want to copy TO) into the 'Target' slot (HDD2).
    - **Capacity Check:** The capacity of the Target Disk must be equal to or greater than the capacity of the Source Disk. If the Target Disk is smaller, the cloning process will fail.
    - **Backup Target Data:** All data on the Target Disk will be overwritten during the cloning process. Please back up any important data from the Target Disk before proceeding.
2. **Start Cloning:** Press and hold the 'Clone' button on the docking station for approximately 3 seconds until the cloning process indicators (25%, 50%, 75%, 100%) begin to flash.

3. **Monitor Progress:** The LED indicators will show the cloning progress (25%, 50%, 75%, 100%). When all indicators are solid blue, the cloning process is complete.
4. **Power Off:** Once cloning is complete, press the ON/OFF button to power off the docking station before removing the drives.



Image: The docking station with two hard drives inserted, illustrating the offline cloning process from a source disk to a target disk. The clone button and progress indicators are visible.

C. OTG Function (On-The-Go)

This docking station supports OTG functionality, allowing you to connect it to compatible smartphones or tablets to access drive data directly. Your smartphone or tablet must support OTG for this feature to work.



Image: An icon symbolizing the OTG (On-The-Go) function, indicating direct connection to mobile devices.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Do not use liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling Drives:** Always handle hard drives carefully. Avoid dropping or subjecting them to physical shock.
- **Heat Dissipation:** The docking station is designed with ventilation for optimal heat dissipation. Ensure the vents are not blocked during operation to prevent overheating.



Image: A close-up view of the top rear of the docking station, showing the ventilation slots designed for efficient heat dissipation.

Troubleshooting

Problem	Possible Cause	Solution
Drive not detected by computer.	• Loose cable connection. • Drive not properly seated. • New HDD not partitioned. • Driver issue (rare, as it's plug-and-play).	• Ensure USB and power cables are securely connected. • Re-insert the drive firmly into the slot. • For new HDDs, partition the drive using Disk Management (Windows) or Disk Utility (Mac). • Try a different USB port or cable.
Offline clone fails or does not start.	• Docking station connected to PC. • Target disk capacity is smaller than source disk. • Clone button not held long enough. • Faulty drive.	• Disconnect the USB cable from the PC. • Ensure the target disk has equal or greater capacity than the source disk. • Press and hold the clone button for 3 seconds until indicators flash. • Check drives for errors using a computer before cloning.
Slow data transfer speed.	• Connected to a USB 2.0 port. • Faulty USB cable.	• Ensure the docking station is connected to a USB 3.0 port on your computer. • Try a different USB 3.0 cable.

Problem	Possible Cause	Solution
Device overheating.	• Blocked ventilation. • Prolonged heavy use.	• Ensure ventilation slots are clear. • Allow the device to cool down if used for extended periods.

Specifications

Feature	Detail
Model Number	WL-ST342U
Brand	WAVLINK
Hardware Interface	USB 3.0, SATA I/II/III
Drive Compatibility	2.5-inch and 3.5-inch SATA HDD/SSD
Number of Drive Bays	2 (Dual Bay)
Maximum Capacity	Up to 32 TB (2x 16TB)
Data Transfer Rate	Up to 5 Gbps (USB 3.0)
Features	Offline Clone, Plug-and-Play, Hot-Swap, Driver-Free, OTG Support
Compatible OS	Windows XP/Vista/7/8/8.1/10/11 (32/64-bit), Mac OS 10.10+, Linux, Android
Power Supply	12V 3A PSE Certified AC Adapter
Product Dimensions (L x W x H)	14 cm x 10.7 cm x 6.7 cm
Color	Black
UPC	695536200378

Warranty and Support

This Wavlink product comes with a **12-month warranty** from the date of purchase.
If you encounter any issues with your product or have questions, please do not hesitate to contact Wavlink customer service. Our support team is available to assist you with troubleshooting, exchanges, or returns for defective products.
Please refer to the service card included in your package for specific contact information or visit the official Wavlink website for support resources.

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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.

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