SABRENT EC-HD2B

SABRENT EC-HD2B Dual Bay External Hard Drive Docking Station User Manual

Model: EC-HD2B | Brand: SABRENT

Introduction

Thank you for choosing the SABRENT EC-HD2B Dual Bay External Hard Drive Docking Station. This device provides a convenient and efficient solution for accessing and managing 2.5-inch and 3.5-inch SATA HDDs and SSDs. It features USB 3.0 connectivity for high-speed data transfer and a standalone duplicator/cloner function, allowing you to clone drives without a computer connection. This manual will guide you through the setup, operation, and maintenance of your docking station.

Safety Information

- Ensure the power adapter is connected to a grounded outlet.
- Do not expose the device to water or excessive humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Keep out of reach of children.
- Unplug the power adapter when not in use for extended periods.

Package Contents

Verify that all items are present in your package:

- SABRENT EC-HD2B Dual Bay Docking Station
- Power Supply
- USB 3.0 Cable
- User Manual (this document)

Product Overview

Familiarize yourself with the components of your docking station.



Front view of the SABRENT EC-HD2B Dual Bay Docking Station, showing the two drive bays and LED indicators.



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

- **Drive Bays (A & B):** Slots for inserting 2.5-inch or 3.5-inch SATA HDDs/SSDs.
- **Power LED:** Indicates power status.
- **Activity LEDs:** Indicate drive activity for each bay.
- **Clone Progress LEDs (25%, 50%, 75%, 100%):** Show the progress of the offline cloning process.
- **Clone Button:** Initiates the offline cloning function.
- **USB 3.0 Port:** Connects the docking station to your computer.
- **DC 12V Power Input:** Connects to the included power adapter.
- **On/Off Switch:** Powers the device on or off.

Setup

Connecting to a Computer (USB Mode)

1. Ensure the docking station is powered off.

2. Insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the drive bay(s) firmly until it clicks into place.



Illustration showing how to insert both 2.5-inch and 3.5-inch SATA drives into the universal bays.

3. Connect the included USB 3.0 cable from the docking station's USB 3.0 port to an available USB port on your computer.
4. Connect the power adapter to the DC 12V input on the docking station, then plug it into a power outlet.
5. Flip the On/Off switch to the 'On' position. The power LED will illuminate.
6. Your computer should automatically detect the drive(s). If the drive is new, you may need to initialize and format it through Disk Management (Windows) or Disk Utility (macOS) before use.

Offline Cloning Setup

The offline cloning function allows you to duplicate a source drive to a target drive without connecting to a computer.

1. Ensure the docking station is powered off and disconnected from your computer (USB cable unplugged).
2. Insert the **Source Disk** (the drive you want to clone from) into Bay A.
3. Insert the **Target Disk** (the drive you want to clone to) into Bay B. *Note: The Target Disk must be equal to or larger in capacity than the Source Disk. All data on the Target Disk will be erased during the cloning process.*
4. Connect the power adapter to the DC 12V input on the docking station, then plug it into a power outlet.

5. Flip the On/Off switch to the 'On' position.

Operating Instructions

Data Transfer (USB Mode)

Once connected to your computer and recognized, the drives in the docking station will function like any other external storage device. You can drag and drop files, copy, paste, and manage data as usual.



Visual representation of high-speed data transfer (up to 5Gbps) via USB 3.0.

- **USB 3.0:** Up to 5Gbps
- **USB 2.0:** Up to 480Mbps (backward compatible)
- **USB 1.1:** Up to 12Mbps (backward compatible)

Performing an Offline Clone

After setting up for offline cloning (as described in the Setup section):

1. With the docking station powered on and drives inserted correctly, press and hold the**CLONE** button for approximately 3-5 seconds until the 25% progress LED starts flashing.
2. Release the CLONE button.
3. Quickly press the CLONE button again to confirm and start the cloning process.
4. The progress LEDs (25%, 50%, 75%, 100%) will illuminate sequentially as the cloning progresses.
5. Once all four progress LEDs are solid blue, the cloning process is complete.
6. Turn off the docking station using the On/Off switch and safely remove the drives.

Important: Do not disconnect the power or remove drives during the cloning process, as this may corrupt data on both drives.

Maintenance

- Keep the docking station clean by wiping it with a soft, dry cloth.
- Avoid blocking the ventilation slots to ensure proper airflow.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- When not in use, disconnect the power adapter.

Troubleshooting

Problem	Possible Cause	Solution
Drive not detected by computer.	◦ Power not connected or switched on. ◦ USB cable loose or faulty. ◦ Drive not properly seated. ◦ New drive not initialized/formatted. ◦ Driver issue (rare, as it's plug-and-play).	◦ Ensure power adapter is connected and switch is ON. ◦ Check USB cable connection; try a different USB port or cable. ◦ Re-insert the drive firmly. ◦ Initialize and format the drive in Disk Management/Disk Utility. ◦ Restart computer.
Offline cloning fails or doesn't start.	◦ USB cable connected to computer. ◦ Target drive smaller than source drive. ◦ Drives not properly seated. ◦ Clone button not held long enough or pressed incorrectly.	◦ Disconnect USB cable from computer. ◦ Ensure Target Disk capacity is equal to or greater than Source Disk. ◦ Re-insert both drives firmly. ◦ Follow cloning steps precisely: hold button until 25% flashes, then quick press.
Slow data transfer speeds.	◦ Connected to a USB 2.0 port. ◦ Drive performance limitations. ◦ Fragmented drive.	◦ Ensure connection to a USB 3.0 port on your computer. ◦ Performance varies by drive type (HDD vs. SSD) and condition. ◦ Defragment HDD if necessary.

Specifications

Model Number	EC-HD2B

Interface	USB 3.0 (backward compatible with USB 2.0/1.1)
Drive Compatibility	2.5" / 3.5" SATA I/II/III HDD & SSD
Max Drive Capacity	Up to 20+TB (per bay)
Data Transfer Rate	Up to 5Gbps (USB 3.0), 480Mbps (USB 2.0)
Offline Clone Speed	Up to 60Mbps
Power Supply	DC 12V
Dimensions	6.26 x 3.94 x 2.72 inches
Weight	1.19 pounds
Operating System Support	Windows, macOS, Linux (Plug and Play)

Warranty and Support

SABRENT products come with a limited warranty. For detailed warranty information, product registration, and technical support, please visit the official SABRENT website or contact their customer service.
Official Website: www.sabrent.com
For further assistance, refer to the contact information provided on the SABRENT website.

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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.

Submit question