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ICY BOX IB-2913MCL-C31

ICY BOX HDD/M.2 NVMe SSD Docking Station User Manual

Model: IB-2913MCL-C31

INTRODUCTION

This user manual provides detailed instructions for the ICY BOX HDD/M.2 NVMe SSD Docking Station, Model IB-2913MCL-C31. Please read this manual carefully before using the device to ensure proper operation and to prevent damage.

The ICY BOX Docking Station is designed for easy and efficient data management, including cloning and reading 2.5"/3.5" HDDs/SSDs and M.2 NVMe/SATA SSDs. It features tool-free installation and high-speed data transfer.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x IB-2913MCL-C31 Docking Station
- 1 x Power Supply
- 1 x USB Combo Cable (USB-C to USB-C/USB-A)
- 3 x M.2 Rubber Fixation
- 1 x User Manual

PRODUCT OVERVIEW

The ICY BOX IB-2913MCL-C31 is a versatile docking station supporting various drive types and offering both data transfer and cloning functionalities.



Figure 1: ICY BOX IB-2913MCL-C31 Docking Station with included USB cables.

Key features include:

- **Tool-Free Installation:** Easily insert 2.5", 3.5" HDDs/SSDs, and M.2 SSDs without tools.
- **Software-Free Cloning:** One-button cloning for data backup and migration.
- **Broad Compatibility:** Supports 2.5"/3.5" HDD/SSD, M.2 SATA, and PCIe NVMe SSDs.
- **High Data Transfer Rate:** Up to 10 Gbps via USB 3.2 Gen 2.

SETUP GUIDE

1. Connecting the Docking Station

1. Connect the provided power supply to the DC IN port on the docking station and then to a power outlet.

2. Connect the USB combo cable to the USB-C port on the docking station.
3. Connect the other end of the USB combo cable (USB-C or USB-A connector) to an available USB port on your computer.

2. Installing Drives (Tool-Free)

The docking station supports various drive types with tool-free installation.

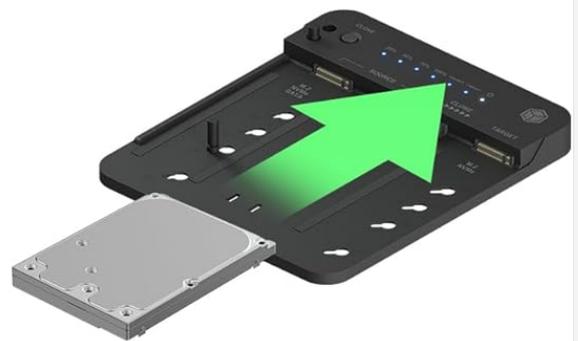
Werkzeuglose Installation

Einfach & schnell

2.5"
HDD
SSD



M.2
SATA
NVMe



3.5"
HDD

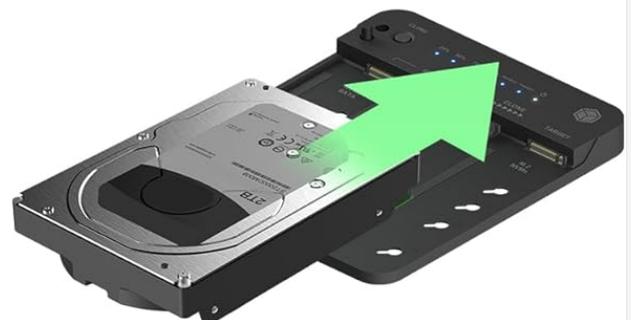
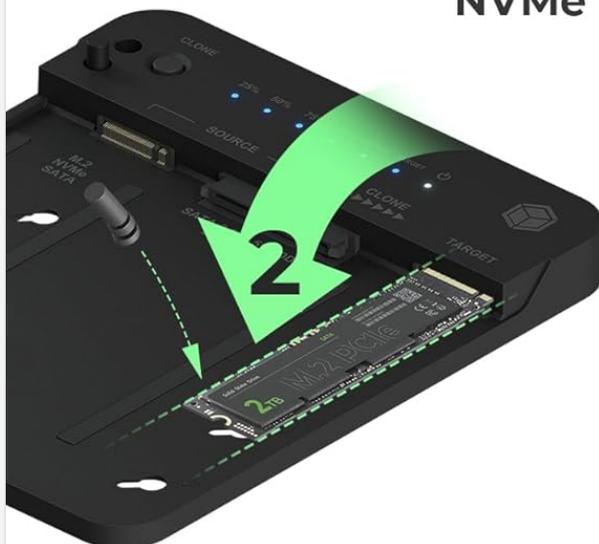


Figure 2: Tool-free installation process for M.2 NVMe/SATA SSDs and 2.5"/3.5" HDDs/SSDs.

For M.2 NVMe/SATA SSDs:

1. Locate the M.2 slots on the docking station (labeled "M.2 NVMe SATA" and "M.2 NVMe").

2. Gently insert your M.2 SSD into the corresponding slot at an angle.
3. Press down the M.2 SSD and secure it with one of the provided M.2 rubber fixations.

For 2.5"/3.5" HDDs/SSDs:

1. Locate the 2.5"/3.5" drive bay (labeled "SATA 2.5"/3.5" HDD 2.5" SSD").
2. Slide your 2.5" or 3.5" SATA HDD/SSD into the bay until it firmly connects with the SATA connector.

OPERATING INSTRUCTIONS

1. Data Transfer Mode (as External Drive)

Once connected to your computer, the installed drives will appear as external storage devices. You can access, read, and write data to them like any other external drive.

10 Gbit/s



Figure 3: High-speed data transfer via USB 3.2 Gen 2 (10 Gbps).

2. Offline Cloning Function

The docking station supports offline cloning, meaning you can clone drives without connecting to a computer. This function creates a bit-for-bit copy from a source drive to a target drive.

Präzises Klonen

Duplizieren, Bit für Bit



Figure 4: Precise bit-for-bit cloning process.

Cloning Steps:

1. Ensure the docking station is disconnected from any computer.
2. Insert the **Source Drive** (the drive you want to copy from) into the "SOURCE" slot.
3. Insert the **Target Drive** (the drive you want to copy to) into the "TARGET" slot. **Note:** The target drive must be equal to or larger in capacity than the source drive. All data on the target drive will be overwritten.
4. Ensure the power supply is connected and the docking station is powered on.

5. Press and hold the "CLONE" button for approximately 5 seconds until the progress LEDs (25%, 50%, 75%, 100%) begin to flash.
6. Release the button, then quickly press the "CLONE" button again (within 1 second) to start the cloning process.
7. The progress LEDs will illuminate sequentially to indicate the cloning progress (25%, 50%, 75%, 100%).
8. Once all LEDs are solid, the cloning process is complete. Power off the docking station before removing the drives.



Figure 5: Status LEDs indicating cloning progress.

Important: Ensure the target drive has no critical data, as it will be completely erased during the cloning process.

MAINTENANCE

To ensure the longevity and optimal performance of your ICY BOX Docking Station, follow these maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not block the ventilation openings on the device.
- Handle drives carefully when inserting or removing them to prevent damage to connectors.
- Always power off the docking station before disconnecting the power supply or removing drives after use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not recognized by computer.	Loose USB connection, power issue, driver issue.	Ensure USB cable is securely connected. Check power supply connection. Try a different USB port or cable. For new drives, they might need to be initialized and formatted in Disk Management.
Cloning fails or does not start.	Target drive too small, incorrect cloning procedure, faulty drive.	Ensure target drive capacity is equal to or larger than source drive. Follow cloning steps precisely. Test drives individually in data transfer mode to confirm functionality.
Slow data transfer speeds.	Using a slower USB port (e.g., USB 2.0), cable issue, drive performance.	Connect to a USB 3.0/3.1/3.2 port on your computer. Ensure you are using the provided USB 3.2 Gen 2 cable. Check the health of the drives.
Drives not fitting correctly.	Incorrect drive type for slot, obstruction.	Verify drive type (2.5"/3.5" SATA, M.2 SATA, M.2 NVMe) matches the designated slot. Ensure no debris is obstructing the connectors.

SPECIFICATIONS

Feature	Detail
Model Number	IB-2913MCL-C31
Brand	ICY BOX
Compatible Drive Types	2.5"/3.5" SATA HDD/SSD, M.2 SATA SSD, M.2 PCIe NVMe SSD
Hardware Interface	USB 3.2 Gen 2 (10 Gbps)

Feature	Detail
Total USB Ports	2 (USB-C for connection to host, USB-A for power/data)
Cloning Function	Offline, Software-free, Bit-for-bit
Product Dimensions	0.57 x 0.67 x 0.26 inches (approx. 1.45 x 1.70 x 0.66 cm)
Item Weight	14.8 ounces (approx. 420 grams)
Color	Black
Manufacturer	RaidSonic Technology GmbH

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ICY BOX website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: RaidSonic Technology GmbH

Website: www.raidsonic.de (Please check for specific ICY BOX support pages)

