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ICY BOX 60913

ICY BOX SSD M.2 NVMe Case User Manual

Model: IB-1817MC-C31 (60913)

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your ICY BOX SSD M.2 NVMe Case (Model IB-1817MC-C31). This external enclosure is designed to house M.2 NVMe and SATA SSDs, offering high-speed data transfer capabilities via USB 3.1 Gen 2 (10 Gbps). Please read this manual thoroughly before using the product to ensure proper functionality and safety.

SAFETY INFORMATION

- Keep the device away from water, fire, and high temperatures.
- Do not attempt to disassemble or modify the device.
- Use only the provided cables and accessories.
- Handle the SSD and enclosure with care to prevent damage from static electricity.
- Ensure proper ventilation to prevent overheating during prolonged use.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x ICY BOX SSD M.2 NVMe Case (IB-1817MC-C31)
- 1 x Screwdriver
- 1 x Type-C to Type-C cable (20 cm)
- 1 x Type-C to Type-A cable (20 cm)
- 1 x Silicone thermal pad
- 1 x Heat sink
- 1 x Tool for writing protection switch
- 1 x Set of screws

- 1 x Quick installation instructions

PRODUCT OVERVIEW

The ICY BOX IB-1817MC-C31 is a compact and robust enclosure designed for M.2 SSDs. Its aluminum construction aids in heat dissipation, and it features a USB-C port for connectivity and a write-protection switch for data security.



Figure 1: Front view of the ICY BOX SSD M.2 NVMe Case, highlighting its sleek design and connectivity options.

SETUP AND INSTALLATION

Follow these steps to install your M.2 SSD into the enclosure:

1. **Open the Enclosure:** Using the provided screwdriver, carefully remove the screws securing the enclosure's cover. Slide open the enclosure.
2. **Insert the SSD:** Gently insert your M.2 NVMe or SATA SSD into the M.2 slot on the circuit board. Ensure it is fully seated.
3. **Secure the SSD:** Use the provided screw to secure the M.2 SSD in place at the end of the slot.
4. **Apply Thermal Pad and Heat Sink:**
 - Peel off the protective film from both sides of the silicone thermal pad.
 - Place the thermal pad onto the top surface of the M.2 SSD.
 - Place the aluminum heat sink on top of the thermal pad, ensuring good contact with the SSD.
5. **Close the Enclosure:** Slide the cover back onto the enclosure and secure it with the screws you removed earlier.

Note: The enclosure supports M.2 SSDs of standard sizes up to 2280, compatible with both NVMe (PCIe M-Key) and SATA protocols.

OPERATING INSTRUCTIONS

Connecting to a Computer

Use one of the provided USB cables to connect the ICY BOX enclosure to your computer:

- **USB Type-C to Type-C:** For computers with a USB-C port.
- **USB Type-C to Type-A:** For computers with a standard USB-A port.

Once connected, your operating system (Windows, macOS, Linux) should automatically detect the enclosure and the installed SSD. The SSD will appear as an external drive.

Data Transfer

The enclosure utilizes USB 3.1 Gen 2 technology, supporting data transfer rates up to 10 Gbps. For optimal performance, connect the enclosure to a USB 3.1 Gen 2 compatible port on your computer.

Write Protection Switch

The ICY BOX IB-1817MC-C31 features an integrated write protection switch to safeguard your data from accidental deletion or modification. Locate the small switch on the side of the enclosure. Use the provided tool to toggle the switch:

- **Enabled:** Data on the SSD cannot be written to or modified.
- **Disabled:** Data can be written to and modified on the SSD.

Ensure the switch is in the desired position before performing any read/write operations.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Do not use liquid cleaners or solvents.
- **Storage:** Store the enclosure in a cool, dry place when not in use.
- **Firmware Updates:** Check the official ICY BOX website periodically for any available firmware updates for your model.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Enclosure not detected by computer.	Loose cable connection. Faulty USB port. SSD not properly installed. SSD not initialized/formatted.	Ensure cables are securely connected. Try a different USB port on your computer. Re-open the enclosure and ensure the SSD is fully seated and secured. For new SSDs, initialize and format it via Disk Management (Windows) or Disk Utility (macOS).
Slow data transfer speeds.	Connected to a slower USB port (e.g., USB 2.0). Write protection enabled.	Connect to a USB 3.1 Gen 2 (10 Gbps) compatible port. Ensure the write protection switch is disabled if you are writing data.
Cannot write data to the SSD.	Write protection is enabled.	Toggle the write protection switch to the disabled position using the provided tool.
Enclosure feels warm during use.	Normal operation, especially during heavy data transfer.	The aluminum casing and heat sink are designed to dissipate heat. Ensure adequate airflow around the device. If it becomes excessively hot, disconnect and allow it to cool.

SPECIFICATIONS

Feature	Detail
Model Number	60913
Material	Aluminum
Compatible SSDs	M.2 NVMe (PCIe M-Key) and SATA SSDs
Supported SSD Sizes	Up to 2280
Interface	USB 3.1 Gen 2 (USB Type-C)
Data Transfer Rate	Up to 10 Gbps
Max Memory Storage Capacity	2 TB
Compatible Devices	Desktop
Hardware Platform	Linux, Mac, Windows
Product Dimensions	4.09"L x 1.57"W x 0.59"H (10.39 x 3.99 x 1.5 cm)
Item Weight	3.25 ounces (92 Grams)
Color	Grey
Manufacturer	RAIDSONIC

WARRANTY AND SUPPORT

ICY BOX products are designed for reliability and performance. For warranty information and technical support, please refer to the official ICY BOX website or contact their customer service directly. The product has an EU Spare Part Availability Duration of 1 Year.

Official Website: www.icybox.de (Please check for regional websites if applicable)