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› ICY BOX M.2 NVMe SSD Enclosure (Model 10GB 1 Bay) Instruction Manual

ICY BOX 10GB 1 Bay

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Model: 10GB 1 Bay | Brand: ICY BOX

1. PRODUCT OVERVIEW

The ICY BOX M.2 NVMe SSD Enclosure provides a high-speed external storage solution for M.2 NVMe PCIe SSDs. Designed for versatility and ease of use, this enclosure supports various SSD sizes and offers robust data protection features. It is compatible with a wide range of operating systems, making it suitable for diverse computing environments.

M.2 NVMe

works for all M.2 SSDs up to 2280

M-key



NVMe / PCIe

22x30

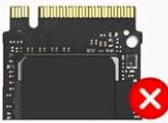
B+M-key



NVMe / PCIe

22x42

B-key



NGFF / SATA

22x60

B+M-key



NGFF / SATA

22x80



Image: The ICY BOX M.2 NVMe SSD Enclosure, a compact black device with ribbed aluminum casing, connected via a USB-C cable.

2. SETUP AND INSTALLATION

This enclosure features a tool-free design for quick and easy installation of your M.2 NVMe SSD.

2.1. SSD Compatibility

The enclosure supports M-Key and B+M-Key NVMe PCIe SSDs in sizes 2230, 2242, 2260, and 2280. It does not

support M.2 SATA NGFF SSDs or SSDs with heatsinks thicker than 3.5mm.



Image: A diagram illustrating compatibility with M-Key and B+M-Key NVMe/PCIe SSDs (2230, 2242, 2260, 2280) and incompatibility with B-Key NGFF/SATA SSDs.

2.2. Installing the SSD

1. Gently slide open the enclosure cover.
2. Insert your M.2 NVMe SSD into the slot. The tool-free design secures the SSD without screws.
3. Apply the provided thermal pad onto the SSD to assist with heat dissipation.
4. Close the enclosure cover by sliding it back into place until it clicks securely.

Fast data transfer

with up to 10 Gbit/s



Image: A three-step visual guide demonstrating the tool-free installation of an M.2 SSD into the enclosure: 1. Sliding open the enclosure, 2. Inserting the SSD, 3. Sliding the enclosure closed.

2.3. Connecting to Your Device

Connect the enclosure to your computer or compatible device using the included USB Type-C to C+A Gen2 cable. No drivers are required for Windows, macOS, or Linux operating systems.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and ease of use of the ICY BOX M.2 NVMe SSD Enclosure, including installation and connection.

3. OPERATION

3.1. Data Transfer

The enclosure supports USB 3.2 Gen 2, providing data transfer speeds up to 10 Gbps. Actual performance may vary based on your SSD, system configuration, and usage conditions.

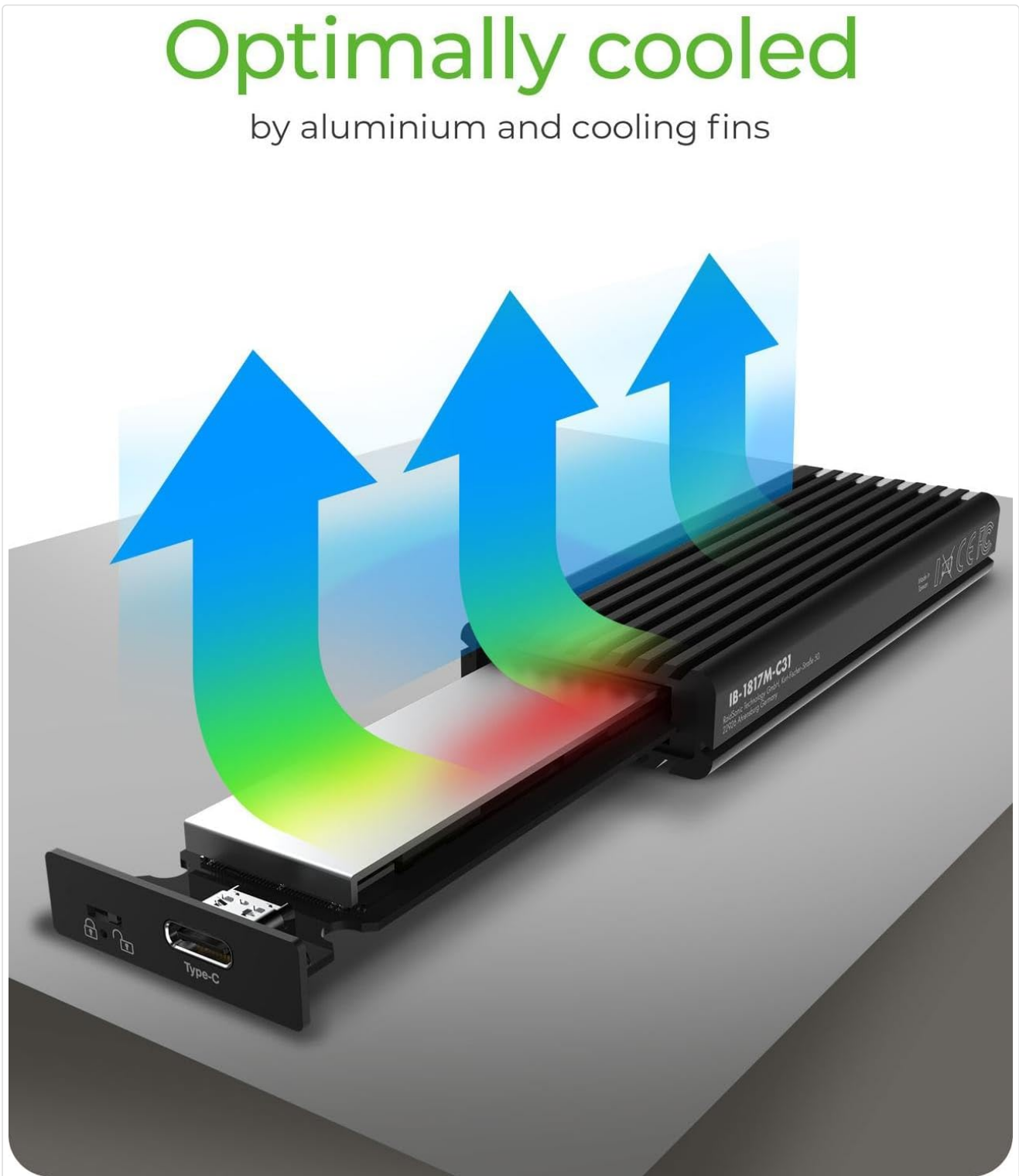


Image: A laptop connected to the ICY BOX enclosure, illustrating fast data transfer speeds of up to 10 Gbit/s.

3.2. Write Protection Switch

The enclosure features an integrated write protection switch. This allows you to prevent accidental data modification or deletion when connecting to potentially insecure systems. Slide the switch to the locked position to enable write protection.

Toolless

Quick and easy to install

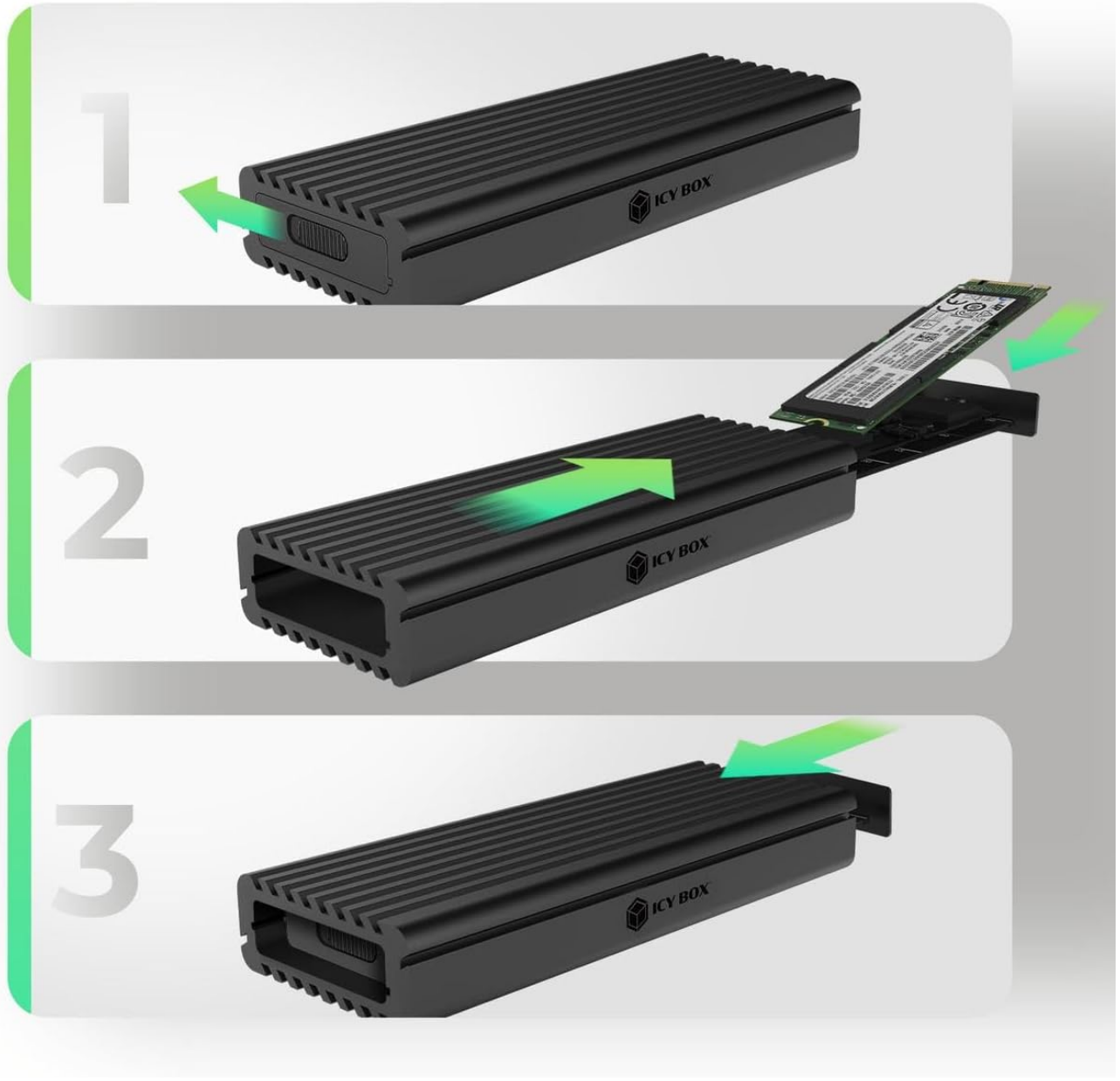


Image: A close-up of the ICY BOX enclosure highlighting the write protection switch and a visual representation of data protection.

3.3. Safe Removal

Always perform a safe removal operation on your operating system before disconnecting the enclosure to prevent data loss or damage to the SSD.

4. MAINTENANCE

4.1. Cleaning

Wipe the exterior of the enclosure with a soft, dry cloth. Avoid using liquid cleaners or solvents that could damage the finish or internal components.

4.2. Thermal Management

The aluminum casing and cooling fins are designed to optimize heat dissipation from the M.2 NVMe SSD, ensuring stable performance during extended use. Ensure the fins are not obstructed for effective cooling.



Image: A cutaway view of the enclosure showing heat (represented by arrows) being dissipated from the SSD through the aluminum casing and cooling fins.

5. TROUBLESHOOTING

5.1. Drive Not Recognized

- **New SSD Formatting:** A brand-new SSD must be initialized and formatted before it can be recognized by the operating system. Use Disk Management on Windows or Disk Utility on macOS to perform this process.
- **File System Compatibility:** Ensure your drive is formatted with a file system supported by your operating system. NTFS or exFAT is recommended for Windows, and APFS or HFS+ for macOS. Drives with unsupported file systems may not appear.
- **Connection Check:** Ensure the USB cable is securely connected to both the enclosure and your device. Try a different USB port or cable if issues persist.

5.2. Data Loss Prevention

When copying data, do not forcibly disconnect the device. Always use the safe removal option in your operating system to prevent file loss and hard drive damage.

6. SPECIFICATIONS

Model Number	10GB 1 Bay
Hardware Interface	USB 3.2 Gen 2
Data Transfer Rate	10 Gigabits Per Second
Compatible SSD Types	M.2 NVMe PCIe (M-Key, B+M-Key)
Supported SSD Sizes	2230, 2242, 2260, 2280
Compatible Devices	Desktop, Gaming Console, Laptop, Smartphone, Tablet
Operating System Compatibility	Windows, macOS, Linux (driver-free)
Material	Plastic
Color	Black
Product Dimensions	4.92"L x 3.54"W x 0.79"H (12.5 x 9 x 2 cm)
Item Weight	2.85 ounces (0.08 Kilograms)

6.1. What's in the Box

- 1 x ICY BOX 10GB M.2 NVMe SSD Enclosure
- 1 x Type-C to C+A Gen2 cable (60cm)
- 1 x Thermal pad

- 2 x Rubber fixture for SSD

7. WARRANTY AND SUPPORT

The ICY BOX M.2 NVMe SSD Enclosure comes with a 24-month warranty. ICY BOX provides lifetime expert support for its products, leveraging 26 years of German-engineered storage mastery.

For technical assistance or warranty claims, please refer to the contact information provided on the official ICY BOX website or your purchase documentation.