ICY BOX IB-1817MC-C31 External Type-C Enclosure for M.2 NVMe Installation Guide

Quick installation guide IB-1817MC-C31
External Type-C® enclosure for M.2 NVMe or M.2 SATA SSD

Schnellinstallationsanleitung IB-1817MC-C31
Externes USB Type-C® Gehäuse für M.2 NVMe
oder M.2 SATA SSD

Contents

Safety information

Please read carefully the following information to prevent injuries, damage to material and device as well as data loss:

Warning levels
Signal words and safety codes indicate the warning level and provide immediate information in terms of the probability of occurrence as well as the type and severity of the consequences if the measures to prevent hazards are not complied with.

⚠ DANGER	Warns of a **directly** hazardous situation causing **death or serious injury.**
	Warns of a **potentially** hazardous situation that **may** cause death or serious injury.
⚠ WARNING	Warns of a **potentially** hazardous situation that **may** cause minor injury.
⚠ CAUTION **IMPORTANT**	Warns of a **potential** situation that **may** cause material or environmental damage and disrupt operative processes.

Risk of electrical shock

Contact with parts conducting electricity

Risk of death by electrical shock

⚠ WARNING

- Read the operating instructions prior to use
- Make sure the device has been de-energized prior to working on it
- Do not remove contact protection panels
- Avoid contact with conducting parts
- Do not bring plug contacts in contact with pointed and metal objects
- Use in intended environments only
- Operate the device using a power unit that meets the specifications of the type plate only!
- Keep the device/power unit away from humidity, liquid, vapor and dust
- Do not modify the device
- Do not connect the device during thunderstorms
- Approach specialist retailers if you require repairs

Hazards during assembly (if intended)

⚠ CAUTION **Sharp components Potential injuries to fingers or hands during assembly (if intended)**

• Read the operating instructions prior to assembly
• Avoid coming into contact with sharp edges or pointed components
• Do not force components together
• Use suitable tools
• Use potentially enclosed accessories and tools only

Hazards caused by the development of heat Insufficient device/power unit ventilation

Overheating and failure of the device/power unit

IMPORTANT

- Prevent externally heating up components and ensure an exchange of air
- Do not cover the fan outlet and passive cooling elements
- Avoid direct sunlight on the device/power unit
- Guarantee sufficient ambient air for the device/power unit
- Do not place objects on the device/power unit

Hazards caused by very small parts and packaging

⚠ WARNING **Risk of suffocation**

Risk of death by suffocation or swallowing

- Keep small parts and accessories away from children
- Store/dispose of plastic bags and packaging in an area that is inaccessible to children
- Do not hand over small parts and packaging to children

Potential data loss

IMPORTANT

Data lost during commissioning

Potentially irreversible data loss

- Always comply with the information in the operating instructions/quick installation guide
- Exclusively use the product once the specifications have been met
- Back up data prior to commissioning
- Back up data prior to connecting new hardware
- Use accessories enclosed with the product

Cleaning the device

IMPORTANT

Harmful cleaning agents

Scratches, discoloration, damage caused by moisture, or short circuit in the device

- Disconnect the device prior to cleaning
- Aggressive or intense cleaning agents and solvents are unsuitable
- Make sure there is no residual moisture after cleaning
- We recommend cleaning devices using a dry, anti-static cloth

Disposing of the device Environmental pollution, unsuitable for recycling

IMPORTANT

Potential environmental pollution caused by components, recycling circle interrupted

This icon on the product and packaging indicates that this product must not be disposed of as part of domestic waste. In compliance with the Waste Electrical and Electronic Equipment Directive **(WEEE),** this electrical device and potentially included batteries must not be disposed of in conventional, domestic waste, or **recycling waste**. If you would like to dispose of this product and potentially included batteries, please return it to the retailer or your local waste disposal and recycling point.

The included batteries must be completely discharged before return.

Take precautions to protect the batteries from short circuits (e.g. by insulating the contact poles with adhesive tape).

If you have any questions, please do not hesitate to contact our support at **support@raidsonic.de** or visit our website at **www.icybox.de**.

Product overview
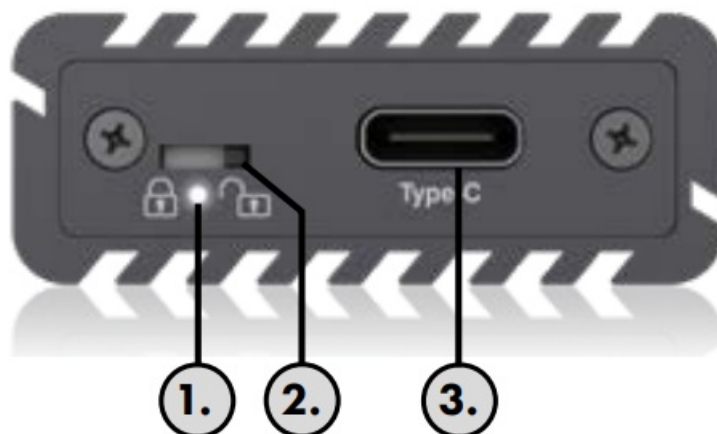
1. LED for power and write protection status
2. Switch for write protection activation
3. USB 3.1 (Gen 2) Type-C® interface to host connection

Important product information

Dear customer,
please note the following information about the compatibility of USB Type-C® enclosures and adapters, including this device!

- Your host computer must have a USB Type-C® or a USB Type-A interface.
- The IB-1817MC-C31 also works with computers and notebooks with USB 3.0/2.0/1.1 Type-A interfaces as long as the appropriate adapter is used.
- The enclosure also works on devices with a Thunderbolt™ 3 interface with a transfer rate of up to 10 Gbit/s

specified by USB 3.1 (Gen 2).

- The Type-C® interface can be connected to USB 3.0 or 2.0 standards in some notebooks and computers. The enclosure only supplies the full data transfer rate of up to 10 Gbit/s to USB 3.1 (Gen 2) Type-C® interfaces.
- The following operating systems are supported: Windows®, macOS®

Packing content:
1x IB-1817MC-C31 (drive not included)
1x Type-C® to Type-C® cable
1x Type-C® to Type-A cable
1x Screwdriver
2x Rubber for M.2 SSD fixation
1x Tool for write-protection switch
1x Heat sink
2x Silicone thermal pad

1x User manual
ExternalType-C® enclosure for M.2 NVMe SSD with write protection The external USB 3.1 Type-C® enclosure IB-1817MC-C31 lets you take an NVMe or SATA SSD with you quickly and easily. It allows access to M.2 SSDs of up to 2 TB, no matter which host you connect it to. The IB-1817MC-C31 is compatible with all M.2 SSDs in lengths of 30, 42, 60, and 80 mm, is operating system independent, and suitable for a variety of applications such as high-speed storage, cloning a drive or running a mobile operating system. With the IB-1817MC-C31, sensitive data on the installed M.2 SSD can be protected from changes and can be released again by means of a switch. With the included, practical mini tool and a small hand movement, the corresponding switch can be moved to the desired position. Click – Secure.

Key features:

- High-grade aluminum with innovative heat sink design
- Supports PCIe 3.0 x2 data transfer rates of up to 10 Gbit/s
- M-Key socket for NVMe SSDs, B+M-Key socket for SATA SSDs, 22x 30/42/60/80 mm
- Supports SATA III data transfer rates of up to 6 Gbit/s
- Interface to host computer: USB 3.1 (Gen 2) Type-C® with up to 10 Gbit/s
- Features additional patented heat sink and thermal pad inside
- Activation of write protection via switch
- LED for power and access
- Supports Windows® and macOS®

Installation

Important: During the drive assembly all cabling has to be disconnected from the computer.
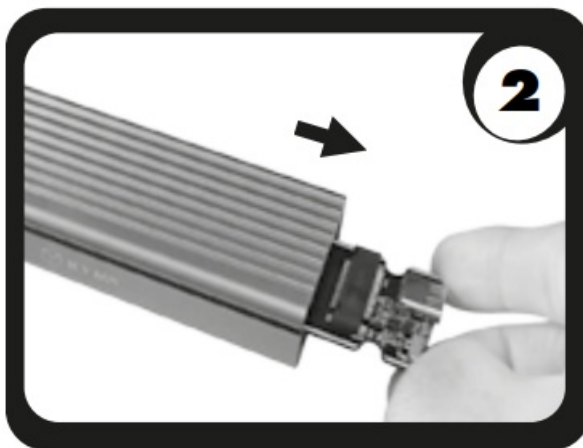

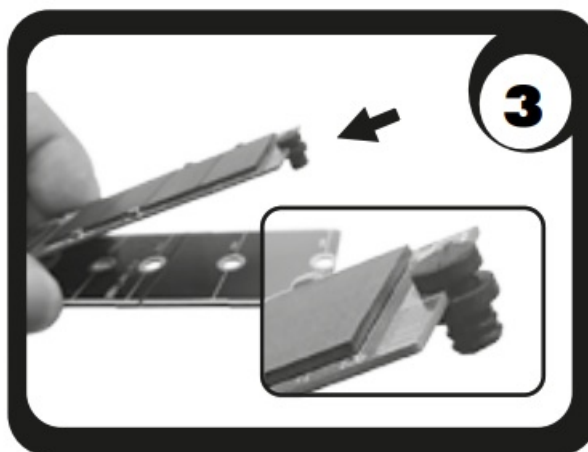Screw-A   Silicone fixture

1. Remove the two screws A from the front cover.


2. Remove the PCB.

3. Carefully place your SSD into the M.2 slot with the connection side and at an angle of approx. 30° so that it inserts without resistance. Insert the round rubber fixation into the semi-circular recess at the end of the M.2 SSD.

4. carefully push the M.2 SSD with the rubber fixation down until the rubber fixation fits through the hole of the PCB.
   Please make sure to align the fixture to the PCB hole before pressing the fixture through the PCB hole.
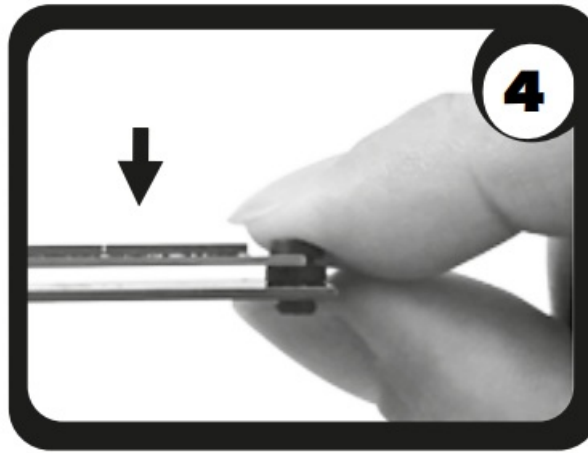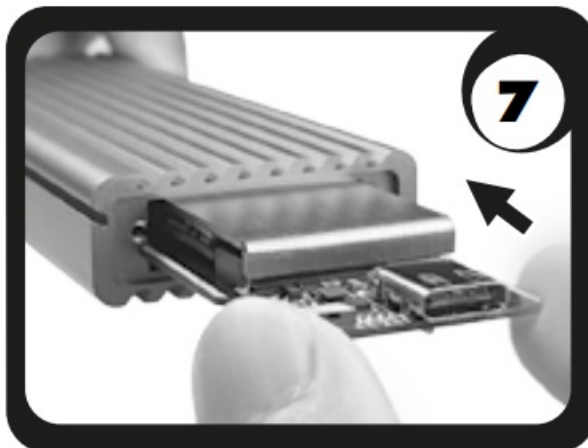
5. Place the delivered thermal pad directly on the M.2 NVMe SSD.

6. Put the heat sink plate on the thermal pad and align the notch to the fixture.

7. Install the PCB back into the track inside the housing.

    Pay attention to the correct alignment!

8. Reattach the front cover with the two screws A. When mounting the cover, make sure that the write protection switch is placed in the rectangular recess.

Note! Change the write-protect setting before connecting the device to the computer. *

Usage

1. Connect the IB-1817MC-C31 via the delivered cable to the corresponding port of your host computer.
2. When the IB-1817MC-C31 has been plugged in correctly, the LED will light up white.
3. As soon as the write protection has been activated by the switch, the LED lights up red*.

*Important! A change of the write-protect mode will only be activated when the device has been disconnected and then reconnected to the host computer.

Application

1. An external SSD can be connected to or disconnected from the computer without shutting down the computer.
2. Please await the end of reading/writing operations before disconnecting the SSD to avoid data loss.
3. A new SSD must first be initialized, partitioned, and formatted by the operating system to be displayed by the system.
4. If the drive is not recognized instantly by the operating system, please check:
   – if the driver software is installed (USB)
   – if the SSD is initialized, partitioned, and formatted.

Info: Drives must be initialized and have active partitions to be immediately recognized as volumes in the operating system. If this is not the case, initialize the drives in the volume management of your operating system.

- The external drive can be connected to or disconnected from the computer via USB cable without shutting down the computer.
- Please await the end of reading/writing operations before disconnecting the drive to avoid data loss.

The full USB 3.1 (Gen 2) transfer rate can only be achieved with a compatible USB 3.1 (Gen 2) host computer. Furthermore, the USB 3.1 drivers must be installed by the operating system. If this is not the case, install the appropriate drivers for your operating system (Windows®, macOS®).

For more information, please visit **www.icybox.de**.

Documents / Resources

	ICY BOX IB-1817MC-C31 External Type-C Enclosure for M.2 NVMe [pdf] Installation Guide IB-1817MC-C31 External Type-C Enclosure for M.2 NVMe, IB-1817MC-C31, External Type-C Enclosure for M.2 NVMe

Manuals+,