

## ICY DOCK MB931U-1VB R1

# ICY DOCK EZ-Adapter Ex MB931U-1VB R1 U.2 NVMe SSD Reader Adapter User Manual

Model: MB931U-1VB R1

## 1. INTRODUCTION

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The ICY DOCK EZ-Adapter Ex MB931U-1VB R1 is an external U.2 NVMe SSD reader adapter designed for quick and easy access to U.2 NVMe SSDs. It supports USB 3.2 Gen 2 for data transfer speeds up to 10Gbps and is compatible with Thunderbolt 4 ports. This adapter features a tool-less SSD installation design and accommodates various third-party drive caddies/trays.

### Package Contents

- EZ-Adapter Ex MB931U-1VB R1 Unit
- USB Type-C to Type-C Cable
- USB Type-C to Type-A Cable
- Power Adapter
- User Manual

# Package Content

Device / User Manual / Power Cables / USB Cables



Image: Package contents including the adapter, cables, and power supply.

## 2. SETUP INSTRUCTIONS

### 2.1 SSD Installation

1. Ensure the EZ-Adapter Ex is powered off and disconnected from your computer.
2. Insert your U.2 NVMe SSD into the adapter's slot. The design allows for tool-less installation, whether the SSD is bare or housed in a compatible third-party drive caddy/tray. Ensure the connector is fully seated.



## Passive Heat Dissipation

The exposed U.2 SSD from the enclosure allows full passive heat dissipation to optimize cooling performance.

Image: U.2 NVMe SSD installation, demonstrating compatibility with or without a drive tray.

## 2.2 Connecting to Host System

3. Connect one end of the provided USB cable (USB-C to C or USB-C to A, depending on your host system's port) to the USB-C port on the EZ-Adapter Ex.
4. Connect the other end of the USB cable to an available USB 3.2 Gen 2 (10Gbps) port or Thunderbolt 4 port on your computer. For optimal performance, use a 10Gbps capable port.



Image: Included USB Type-C and USB Type-A cables for broad compatibility.

## 2.3 Power Connection

5. Connect the power adapter to the DC IN port on the EZ-Adapter Ex.
6. Plug the power adapter into a wall outlet.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Powering On/Off

Press the power button located on the top of the EZ-Adapter Ex to turn the unit on or off. The power button will illuminate green when the device is powered on.

### 3.2 LED Indicators

The EZ-Adapter Ex features two LED indicators:

- **SSD Powered (Blue LED):** Illuminates steadily when the SSD is receiving power.
- **SSD Activity (Flashing Blue LED):** Flashes when there is data access to the SSD.

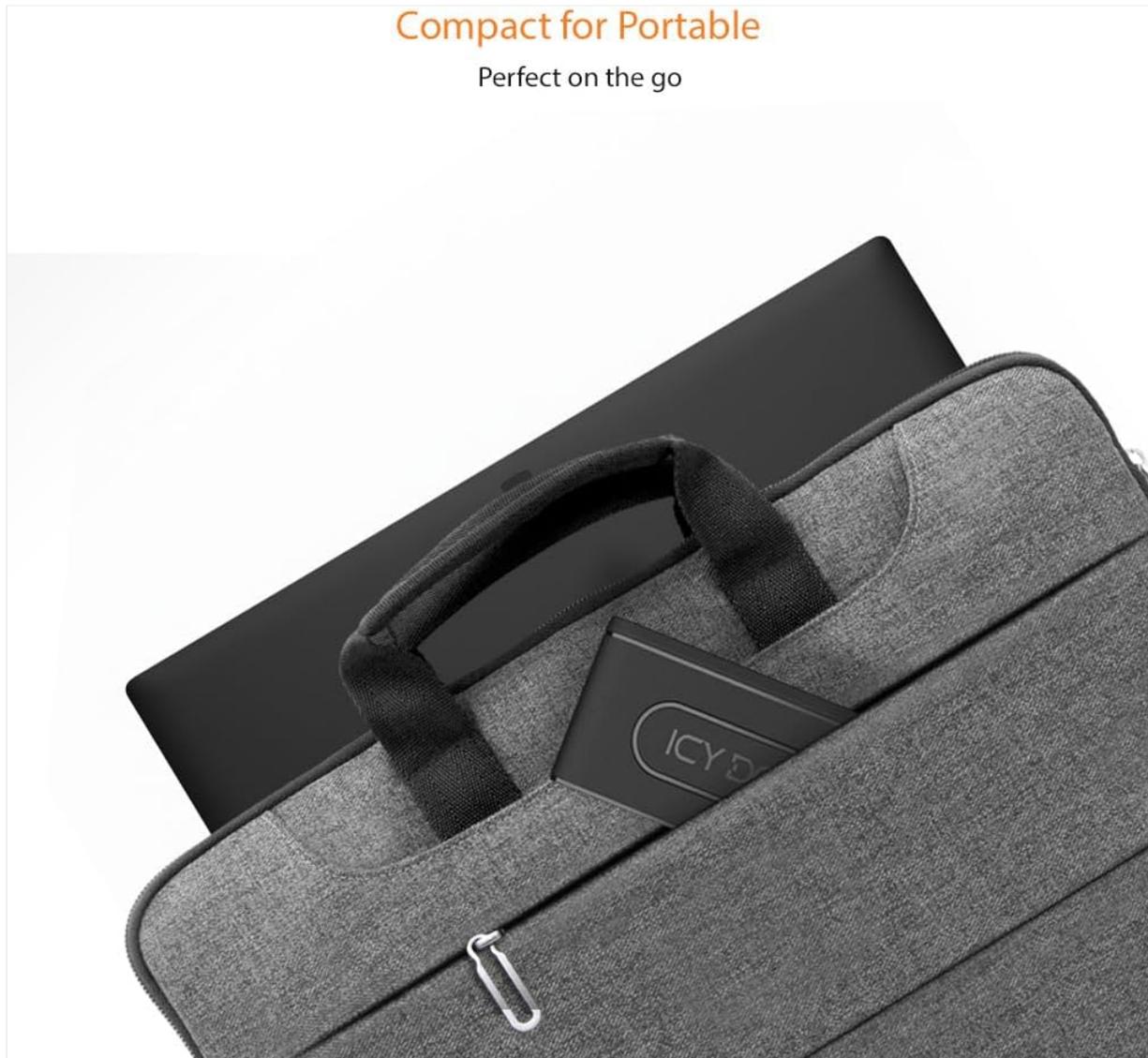


Image: LED indicators for power and SSD activity.

### 3.3 Data Transfer

Once connected and powered on, your operating system should detect the U.2 NVMe SSD as an external drive. You can then perform data transfer operations as you would with any other external storage device. The adapter supports speeds up to 10Gbps, enabling fast file transfers.



Image: USB 3.2 Gen 2 standard compliance for 10Gbps transfer speeds.

### 3.4 Safe Removal

Always safely eject the U.2 NVMe SSD from your operating system before disconnecting the USB cable or powering off the EZ-Adapter Ex to prevent data corruption.

## 4. MAINTENANCE

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### 4.1 Heat Dissipation

The EZ-Adapter Ex is designed with an exposed U.2 SSD slot to allow for passive heat dissipation, optimizing cooling performance for the NVMe SSD. Ensure the adapter is placed in an area with adequate airflow to facilitate this cooling.

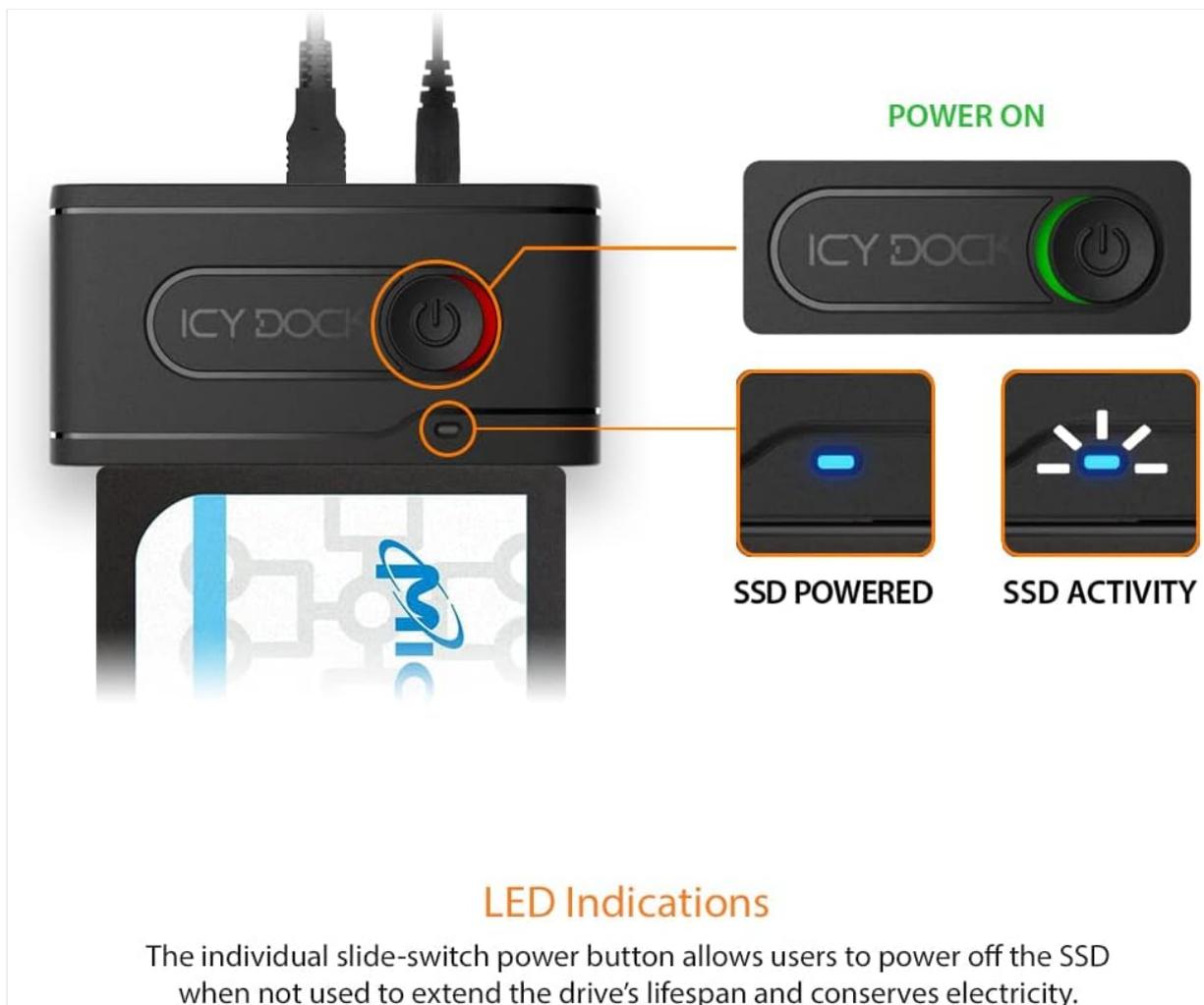


Image: Passive heat dissipation design for the U.2 SSD.

## 4.2 Cleaning and Storage

To clean the adapter, use a soft, dry cloth. Avoid using liquid cleaners or solvents. When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.

## 5. TROUBLESHOOTING

If you encounter issues with your EZ-Adapter Ex, please refer to the following common solutions:

- **SSD Not Detected:**
  - Ensure the SSD is fully seated in the adapter's slot.
  - Verify the power adapter is securely connected and the unit is powered on (green LED).
  - Check that the USB cable is firmly connected to both the adapter and your computer.
  - Try connecting to a different USB port on your computer.
  - Test with a different U.2 NVMe SSD if available to rule out drive issues.
  - Ensure your operating system's Disk Management (Windows) or Disk Utility (macOS) recognizes the drive. It may need to be initialized or formatted.
- **Slow Transfer Speeds:**
  - Confirm that your computer's USB port supports USB 3.2 Gen 2 (10Gbps) or Thunderbolt 4. Connecting to a slower port (e.g., USB 2.0 or USB 3.0/3.1 Gen 1) will limit speeds.
  - Ensure you are using the provided USB 3.2 Gen 2 compatible cables.

- Check for background processes that might be consuming system resources or disk I/O.
- The performance of the U.2 NVMe SSD itself can affect transfer speeds.
- **Overheating:**
  - While designed for passive cooling, prolonged heavy use of high-performance NVMe SSDs can generate significant heat. Ensure the adapter is in an open area with good air circulation.
  - Consider using the adapter for shorter bursts of activity if overheating is a persistent concern.

## 6. SPECIFICATIONS

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|----------------------------|--|
| <b>Model Number</b>        | MB931U-1VB R1  |
| <b>Compatible Devices</b>  | PC / MAC   |
| <b>Connector Type</b>      | USB Type C   |
| <b>Data Transfer Speed</b> | Up to 10Gbps (USB 3.2 Gen 2)                             |
| <b>Drive Compatibility</b> | 1x U.2 PCIe NVMe SSD                                     |
| <b>Item Weight</b>         | 9.5 ounces (approx. 269g)                                |
| <b>Package Dimensions</b>  | 6.81 x 5.98 x 2.28 inches (approx. 17.3 x 15.2 x 5.8 cm) |
| <b>Color</b>               | Black  |
| <b>Finish Type</b>         | Matte  |

## 7. WARRANTY AND SUPPORT

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ICY DOCK products are designed for reliability and performance. For warranty information and technical support, please visit the official ICY DOCK website or contact their customer service department. Keep your purchase receipt for warranty claims.

For further assistance, you may visit the [ICY DOCK Store on Amazon](#).