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> [Inter-Tech GD-MS013 M.2 Hard Drive Enclosure User Manual](#)

Inter-Tech GD-MS013

Inter-Tech GD-MS013 M.2 Hard Drive Enclosure User Manual

Model: GD-MS013

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Inter-Tech GD-MS013 M.2 Hard Drive Enclosure. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

- Inter-Tech GD-MS013 M.2 Hard Drive Enclosure
- USB SuperSpeed 10Gbps Cable (Type-C to Type-A or Type-C to Type-C, depending on model variant)
- Small Carrying Case
- User Manual (this document)

3. FEATURES

- Compact and elegant aluminum design.
- USB SuperSpeed 10Gbps interface for high-speed data transfer.
- Tool-free installation and removal of M.2 SSDs (lengths from 30mm to 80mm).
- Includes a protective carrying case for portability.

4. SPECIFICATIONS

Feature	Detail
Model	GD-MS013
Dimensions (L x W x H)	113 x 37 x 12 mm (4.45" x 1.46" x 0.47")
Weight	0.05 Kilograms / 1.76 ounces

Feature	Detail
Material	Aluminum
Interface	USB SuperSpeed 10Gbps (USB 3.1 Gen 2)
Compatible SSDs	M.2 SSDs (2230, 2242, 2260, 2280 lengths)
Max Data Transfer Rate	10 Gigabits Per Second
Compatible Devices	Laptops, Desktops, other USB-enabled devices

5. SETUP: M.2 SSD INSTALLATION

Follow these steps to install your M.2 SSD into the GD-MS013 enclosure. Ensure the enclosure is disconnected from any power source or computer before proceeding.

1. **Open the Enclosure:** Gently slide the end cap of the enclosure to reveal the internal tray. The enclosure is designed for tool-free access.



Image: Enclosure with the end cap removed, showing the M.2 connector.

2. **Insert M.2 SSD:** Carefully align your M.2 SSD with the M.2 slot on the internal PCB. Insert the SSD firmly into the slot at an angle.



Image: Internal tray of the enclosure, ready for M.2 SSD insertion.

3. **Secure the SSD:** Once inserted, gently push the SSD down until it is flat. Secure it using the provided rubber fastener or clip, matching the length of your M.2 SSD (2230, 2242, 2260, or 2280).
4. **Close the Enclosure:** Slide the end cap back onto the enclosure until it clicks securely into place.



Image: The GD-MS013 enclosure in its fully assembled state.

Your M.2 SSD is now installed and ready for connection.

6. OPERATING INSTRUCTIONS

1. **Connect to Computer:** Use the provided USB SuperSpeed 10Gbps cable to connect the enclosure to an available USB port on your computer. For optimal performance, use a USB 3.1 Gen 2 (10Gbps) compatible port.
2. **Driver Installation:** The enclosure is plug-and-play and typically does not require additional drivers for Windows,

macOS, or Linux operating systems. Your computer should automatically detect the device.

3. **Initialize/Format SSD (New SSDs Only):** If you are using a brand new M.2 SSD, it may need to be initialized and formatted before it can be used.
 - **Windows:** Open Disk Management (Right-click Start button > Disk Management). Locate the new disk, right-click it, and select "Initialize Disk." Follow the prompts to create a new simple volume and format it (e.g., NTFS).
 - **macOS:** Open Disk Utility (Applications > Utilities > Disk Utility). Select the new disk, click "Erase," choose a format (e.g., APFS or Mac OS Extended), and click "Erase."
4. **Data Transfer:** Once recognized and formatted, the M.2 SSD in the enclosure will appear as a removable drive. You can now drag and drop files, copy, or move data to and from the drive as you would with any other external storage device.
5. **Safe Removal:** Always safely eject the drive from your operating system before disconnecting the USB cable to prevent data corruption.
 - **Windows:** Click the "Safely Remove Hardware and Eject Media" icon in the system tray, then select the drive.
 - **macOS:** Drag the drive icon to the Trash or right-click the drive icon and select "Eject."

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid liquid cleaners or solvents.
- **Storage:** When not in use, store the enclosure in its provided carrying case to protect it from dust and scratches.
- **Temperature:** Avoid exposing the enclosure to extreme temperatures or direct sunlight.
- **Handling:** Handle the enclosure with care. Avoid dropping it or subjecting it to strong impacts.

8. TROUBLESHOOTING

Issue: Enclosure not detected by computer.

- Ensure the USB cable is securely connected to both the enclosure and the computer.
- Try a different USB port on your computer.
- Try a different USB cable.
- Verify that the M.2 SSD is correctly installed and seated firmly in the enclosure's slot.
- If it's a new SSD, check Disk Management (Windows) or Disk Utility (macOS) to see if it needs initialization and formatting.
- Test the enclosure with another computer if possible.

Issue: Slow data transfer speeds.

- Ensure you are connecting the enclosure to a USB 3.1 Gen 2 (10Gbps) compatible port on your computer. Older USB 2.0 or 3.0 ports will result in lower speeds.
- Verify that your M.2 SSD itself supports high transfer speeds.
- The performance can also be affected by the computer's hardware and operating system.

Issue: Enclosure gets warm during use.

- It is normal for the aluminum enclosure to become warm during extended use, especially during large data transfers, as it acts as a heatsink for the M.2 SSD. This is part of its design for heat dissipation.
- Ensure adequate airflow around the enclosure.

9. WARRANTY INFORMATION

Inter-Tech products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Inter-Tech website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact Inter-Tech customer support. Contact details can typically be found on the official Inter-Tech website or on the product packaging.

Website: www.inter-tech.de

