FIDECO FD-M204CP-JP2

FIDECO M.2 SSD Enclosure User Manual

Model: FD-M204CP-JP2

1. Introduction

This user manual provides comprehensive instructions for the FIDECO M.2 SSD Enclosure. Please read this manual carefully before using the product to ensure proper operation and to maximize its performance and lifespan. This enclosure is designed for external use with M.2 NVME PCIe M-Key SSDs, offering high-speed data transfer and broad compatibility.

2. Product Overview

2.1 Key Features

- Supports M.2 NVME SSDs (M-Key and B+M Key) and M.2 SATA SSDs (B+M Key). Note: Does not support AHCI protocol SSDs.
- USB 3.1 Gen 2 interface for data transfer speeds up to 10Gbps. Backward compatible with USB 3.1 and USB 3.0.
- 100% tool-free installation for quick and easy SSD insertion and removal.
- Plug and play functionality, no additional drivers required.
- Compatible with Windows, Mac OS, and Linux operating systems.
- Premium aluminum alloy shell for durability and excellent heat dissipation.
- Slim and portable design.

2.2 Package Contents

- FIDECO M.2 SSD Enclosure
- USB-C to USB-A Cable
- USB-A to USB-C Adapter
- Soft fasteners for SSD installation
- User Manual (this document)

Figure 2.1: FIDECO M.2 SSD Enclosure and included accessories.

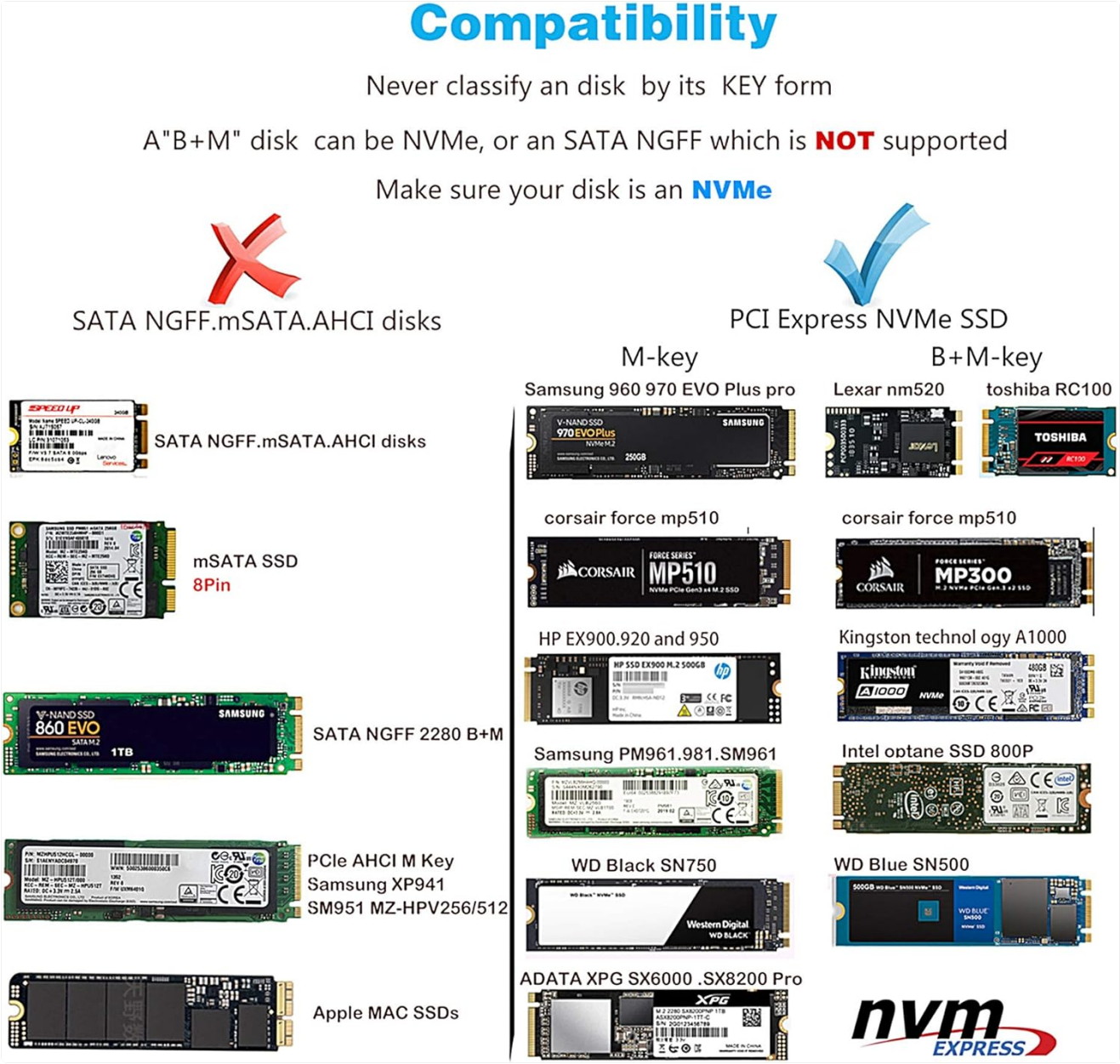

Figure 2.2: Compatibility details for M.2 SSDs, highlighting support for NVME PCIe M-Key and B+M Key, and M.2 SATA B+M Key. AHCI protocol SSDs are not supported.

3. Setup and Installation

The FIDECO M.2 SSD Enclosure features a tool-free design for easy installation.

1. **Open the Enclosure:** Slide to open the rear cover of the enclosure.
2. **Insert SSD:** Gently insert your M.2 NVME SSD into the slot inside the enclosure. Ensure it is fully seated.
3. **Secure SSD:** Use the provided soft fastener to fix the SSD in place. This protects the SSD and ensures a secure connection.
4. **Close Enclosure:** Slide the rear cover back until it clicks into place.
5. **Connect to Device:** Use the USB-C to USB-A cable or the USB-A to USB-C adapter with the cable to connect the enclosure to your computer or compatible device.

Figure 3.1: Visual guide for tool-free SSD installation: 1. Slide to open rear cover, 2. Put your SSD in, 3. Use the fastener to fix the SSD.

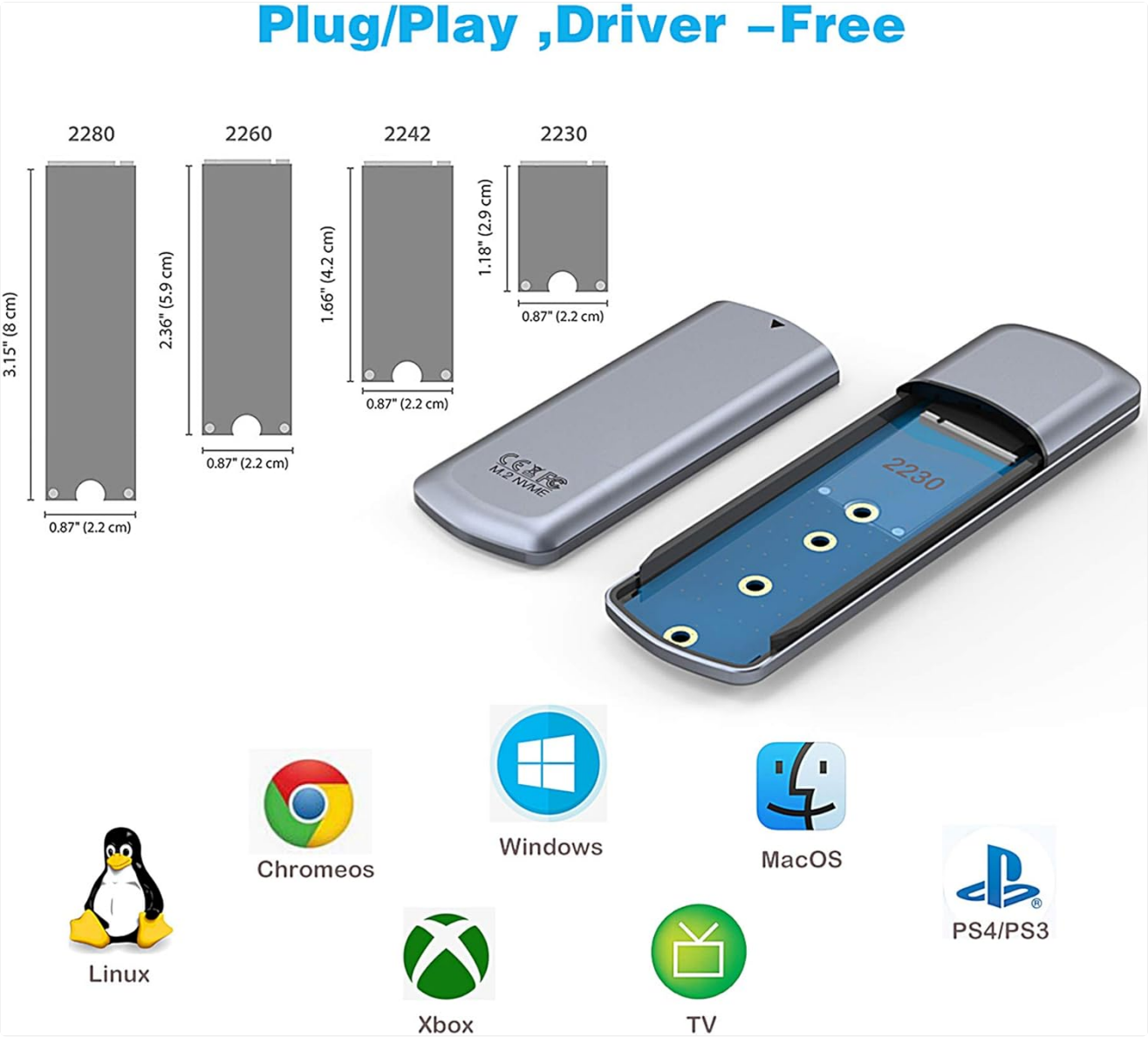

Figure 3.2: The enclosure supports M.2 SSDs of various lengths (2230, 2242, 2260, 2280) and is compatible with Linux, ChromeOS, Windows, MacOS, PS4/PS3, Xbox, and TV.

4. Operating Instructions

4.1 Data Transfer

Once connected, the SSD enclosure will appear as an external drive on your computer. You can drag and drop files, copy, paste, or use it for backup purposes. The USB 3.1 Gen 2 interface provides transmission speeds up to 10Gbps, significantly faster than older USB standards.

Figure 4.1: The enclosure supports USB 3.1 Gen 2, offering data transfer speeds up to 10Gbps, which is 20 times faster than USB 2.0.

4.2 Initializing a New Hard Drive

If you are using a brand new SSD, it may not be immediately recognized by your operating system until it is initialized and formatted. Follow the steps below or refer to the video for a visual guide.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the process of initializing a hard drive under both Windows and Mac OS, a necessary step for new SSDs to be recognized and used by your computer.

4.2.1 Windows Initialization

1. Right-click on "This PC" (or "My Computer") and select "Manage".
2. In the Computer Management window, navigate to "Disk Management" under "Storage".
3. Locate your new SSD (it will likely show as "Unknown" or "Not Initialized").
4. Right-click on the disk and select "Initialize Disk".

5. Choose the appropriate partition style (GPT is recommended for modern systems, MBR for older systems or smaller drives). Click "OK".
6. Right-click on the "Unallocated" space on the new disk and select "New Simple Volume".
7. Follow the New Simple Volume Wizard, assigning a drive letter and choosing a file system (NTFS for Windows, exFAT for cross-platform compatibility).
8. Complete the wizard to format the drive.

4.2.2 Mac OS Initialization

1. Open "Disk Utility" (found in Applications > Utilities, or via Spotlight search).
2. In Disk Utility, select your new SSD from the sidebar (it may appear as "Uninitialized").
3. Click the "Erase" button in the toolbar.
4. Provide a name for the drive, choose a format (e.g., APFS for macOS 10.13+, Mac OS Extended (Journaled) for older macOS, or exFAT for cross-platform compatibility), and a scheme (GUID Partition Map is recommended).
5. Click "Erase" to format the drive.

4.3 Versatile Usage

The FIDECO M.2 SSD Enclosure is highly versatile, allowing you to back up pictures, watch movies, or access data from various devices.

Figure 4.2: Super convenience: Use with smartphones for on-the-go data access.

Figure 4.3: Seamlessly connect to laptops for expanded storage.

Figure 4.4: Ideal for desktop use, providing fast external storage.

5. Maintenance and Care

- **Heat Dissipation:** The aluminum alloy shell is designed for excellent heat dissipation. While normal operation may cause the enclosure to warm up, prolonged heavy use might lead to higher temperatures. Avoid leaving it plugged in for extended periods if not actively in use, especially during intensive data transfers.
- **Safe Removal:** Always safely eject the drive from your operating system before disconnecting the enclosure to prevent data corruption.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Portability:** Its slim and portable design makes it easy to carry.

Figure 5.1: The enclosure features an advanced built-in JMS583 chip for steady performance and includes features for better heat dissipation and short circuit protection.

Figure 5.2: The enclosure's compact dimensions (4.8" x 1.4" x 0.47") make it highly portable.

6. Troubleshooting

Problem	Possible Cause	Solution
SSD not recognized by computer.	New SSD not initialized or formatted. Incorrect M.2 SSD type (e.g., AHCI not supported). Loose connection.	Initialize and format the SSD using Disk Management (Windows) or Disk Utility (Mac OS). Refer to Section 4.2. Ensure your M.2 SSD is NVME PCIe (M-Key or B+M Key) or M.2 SATA (B+M Key). AHCI SSDs are not compatible. Check all cable connections. Try a different USB port or cable.
Enclosure gets warm during use.	Normal operation, especially during heavy data transfer.	This is normal due to heat dissipation from the SSD. For prolonged heavy use, consider disconnecting when not in active use to allow cooling. The aluminum casing is designed to dissipate heat effectively.

Problem	Possible Cause	Solution
Difficulty opening the enclosure.	Tight fit for secure closure.	Apply firm, even pressure when sliding the rear cover. Some users find adding a small piece of tape for grip can help.
Data corruption or loss.	Improper disconnection. Connecting to an incompatible USB port (e.g., USB 2.0 with certain SSDs).	Always safely eject the drive from your operating system before unplugging. Ensure you are connecting to a USB 3.0, 3.1, or 3.2 port for optimal performance and compatibility. While backward compatible, some older USB 2.0 ports may not provide sufficient power or stable connection for high-speed SSDs.

7. Specifications

Feature	Detail
Brand	FIDECO
Model Number	FD-M204CP-JP2
Compatible SSD Types	M.2 NVME PCIe (M-Key, B+M Key), M.2 SATA (B+M Key)
Interface	USB 3.1 Gen 2 (USB-C)
Data Transfer Rate	Up to 10 Gbps
Max Supported Capacity	2 TB
Material	Aluminum
Color	Grey
Dimensions (LxWxH)	4.8 x 1.41 x 0.47 inches
Item Weight	3.98 ounces
Supported OS	Windows, Mac OS, Linux

8. Warranty and Support

FIDECO products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided on the product packaging or visit the official FIDECO website. Please retain your proof of purchase for warranty claims.