

Zalman ZM-VE350

Zalman ZM-VE350 USB 3.0 External 2.5" Hard Drive Enclosure

User Manual

1. INTRODUCTION

The Zalman ZM-VE350 is an external enclosure designed for 2.5-inch SATA I/II/III hard disk drives (HDD) or solid-state drives (SSD). It features a USB 3.0 interface for high-speed data transfer and includes a built-in virtual CD emulator, allowing it to function as a virtual optical drive for booting or installing software from ISO files. The enclosure is constructed from aluminum alloy for durability and efficient heat dissipation.



Image 1.1: Front view of the Zalman ZM-VE350 enclosure, showcasing its sleek design and display screen.

Key Features:

- **USB 3.0 Interface:** Supports data transfer rates up to 5Gbps, backward compatible with USB 2.0 and USB 1.1.
- **Virtual ODD Function:** Emulates a CD-ROM drive for convenient booting from ISO files.

- **One-Touch Backup:** A dedicated button for quick file backup to a selected folder.
- **Safe Removal:** Pressing the backup button for more than 3 seconds powers off the drive safely.
- **2.5" SATA HDD/SSD Compatibility:** Supports 2.5-inch SATA I/II/III drives.
- **Durable Aluminum Body:** Provides protection against external shock and aids in heat dissipation.
- **Plug-and-Play:** No driver installation required for most operating systems.

COMPONENTS



PLEASE KEEP IN MIND WHEN BUILDING A NOISELESS COMPUTER

Zalman affixes a Computer Noise Prevention System (CNPS) mark to all components used for noiseless computers.

Image 1.2: Performance comparison charts illustrating the speed advantages of USB 3.0 and the ZM-VE350's virtual ODD over traditional CD-ROMs.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- Zalman ZM-VE350 Enclosure
- Leather Pouch
- USB 3.0 Cable
- Screwdriver (for case disassembly)
- 2x Screws (for HDD installation)
- Quick Guide (not included in this manual)

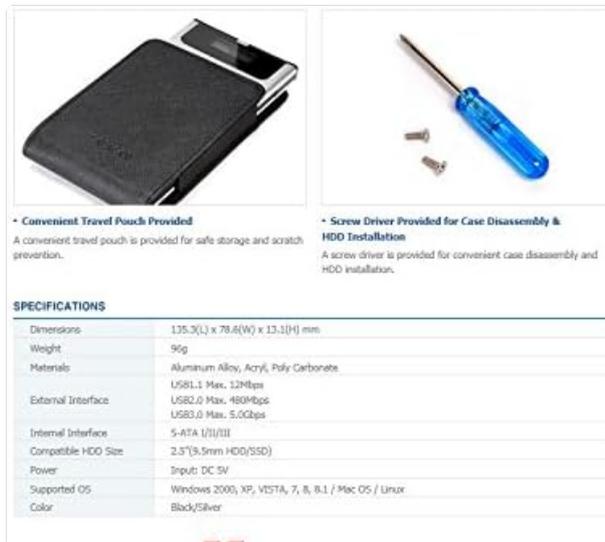


Image 2.1: The included leather pouch and screwdriver, essential accessories for the ZM-VE350.

3. HARDWARE INSTALLATION

Follow these steps to install a 2.5-inch SATA HDD or SSD into the ZM-VE350 enclosure:

1. Using the provided screwdriver, carefully remove the screws securing the enclosure's cover.
2. Slide open the enclosure to reveal the internal SATA connector.
3. Connect your 2.5-inch SATA I/II/III HDD or SSD to the internal SATA data and power connector. Ensure a firm connection.
4. Secure the drive within the enclosure using the provided screws, if necessary, to prevent movement.
5. Slide the enclosure cover back into place and secure it with the screws removed in step 1.



Image 3.1: The internal SATA connector where a 2.5-inch HDD or SSD is installed.

4. CONNECTING TO A COMPUTER

Once your hard drive is installed, connect the ZM-VE350 to your computer:

1. Connect one end of the supplied USB 3.0 cable to the USB 3.0 port on the ZM-VE350 enclosure.

2. Connect the other end of the USB 3.0 cable to an available USB 3.0 port on your computer. For optimal performance, use a USB 3.0 port. The device is also compatible with USB 2.0 and USB 1.1 ports, but at reduced speeds.
3. The computer should automatically detect the ZM-VE350 as an external storage device. No additional drivers are typically required for Windows 2000, XP, Vista, 7, 8, 8.1, Mac OS, or Linux.



Image 4.1: Side view of the ZM-VE350 showing the USB 3.0 port and the 'Backup' button.

5. OPERATING THE VIRTUAL ODD FUNCTION

The ZM-VE350 can emulate an optical disc drive (ODD) using ISO image files. This feature is useful for installing operating systems, software, or booting from recovery discs without needing a physical CD/DVD drive.

Preparing ISO Files:

- Create a folder named `_ISO` (case-sensitive) in the root directory of your installed hard drive within the ZM-VE350.
- Place your ISO image files into this `_ISO` folder.

Selecting and Mounting ISO Files:

1. Use the jog dial/button on the side of the ZM-VE350 to navigate through the list of ISO files displayed on the enclosure's screen.
2. Press the jog dial/button to select and mount the desired ISO file. The enclosure will then present itself to the computer as a virtual CD/DVD drive containing the selected ISO.
3. To unmount an ISO, select the 'Unmount' option from the menu or select another ISO.

6. ONE-TOUCH BACKUP AND SAFE REMOVAL

The ZM-VE350 features a multi-function button for backup and safe power off.

One-Touch Backup:

- To use this feature, you must first configure a backup destination folder on your computer or within the ZM-VE350's internal drive (refer to the quick guide for software setup, if applicable).
- Press the 'Backup' button once to initiate the automatic copying of files to the pre-selected folder.

Safe Removal (Power Off):

- To safely power off the ZM-VE350 and prepare it for disconnection, press and hold the 'Backup' button for more than 3 seconds.
- This action will safely shut down the internal hard drive, preventing data corruption before physical removal from the computer.

7. CARE AND MAINTENANCE

- Keep the ZM-VE350 in a clean, dry environment. Avoid exposure to extreme temperatures, humidity, or direct sunlight.
- Use the provided leather pouch for additional protection during transport and storage to prevent scratches and minor impacts.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Always perform a safe removal (as described in Section 6) before disconnecting the enclosure from your computer to prevent data loss or damage to the drive.

8. SPECIFICATIONS

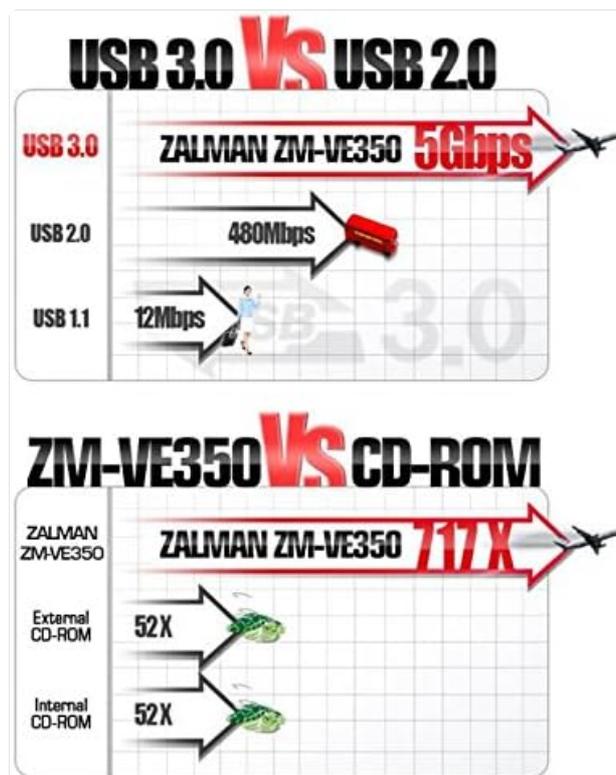


Image 8.1: Detailed specifications of the Zalman ZM-VE350 enclosure.

Feature	Description
Model	ZM-VE350
Dimensions (L x W x H)	135.3 x 78.6 x 13.1 mm
Weight	96g
Materials	Aluminum Alloy, Acryl, Poly Carbonate

External Interface	USB 3.0 (Max 5Gbps), USB 2.0 (Max 480Mbps), USB 1.1 (Max 12Mbps)
Internal Interface	S-ATA I/II/III
Compatible HDD Size	2.5" (9.5mm HDD/SSD)
Power Input	DC 5V (via USB)
Supported OS	Windows 2000, XP, Vista, 7, 8, 8.1 / Mac OS / Linux
Color	Black

9. TROUBLESHOOTING

- **Device Not Detected:** Ensure the USB cable is securely connected to both the ZM-VE350 and the computer. Try a different USB port or cable. Verify the internal HDD/SSD is properly seated in the SATA connector.
- **Virtual ODD Not Working:** Confirm that the _ISO folder is correctly named and located in the root directory of the internal drive. Ensure ISO files are valid and not corrupted. Try re-selecting the ISO using the jog dial.
- **Slow Transfer Speeds:** Ensure you are connected to a USB 3.0 port on your computer. USB 2.0 or 1.1 ports will result in slower performance.
- **Drive Not Appearing in 'My Computer'/'This PC':** For new drives, it may need to be initialized and formatted in Disk Management (Windows) or Disk Utility (Mac OS) before it can be used.

10. SUPPORT AND WARRANTY

For technical support or warranty inquiries, please contact Zalman customer service. Refer to the official Zalman website or your product packaging for the most current contact information and warranty terms specific to your region.

Zalman Website: www.zalman.com