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> MSI B350M PRO-VD Plus Motherboard User Manual

## MSI B350M PRO-VD PLUS

# MSI B350M PRO-VD Plus Motherboard User Manual

Model: B350M PRO-VD PLUS

## 1. INTRODUCTION

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This manual provides essential information for the installation, configuration, and operation of your MSI B350M PRO-VD Plus motherboard. This motherboard is designed to support AMD Ryzen Series Processors and 7th Gen A-series/Athlon processors for Socket AM4, offering a stable and reliable foundation for your personal computer system.

## 2. WHAT'S IN THE BOX

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Verify that all items are present in the package:

- MSI B350M PRO-VD Plus Motherboard
- Cables and Connectors
- Quick Setup Guide

## 3. SETUP AND INSTALLATION

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Before beginning installation, ensure your workspace is static-free. Refer to the included Quick Setup Guide for detailed, step-by-step instructions. The following provides a general overview of the installation process.

### 3.1 Motherboard Overview

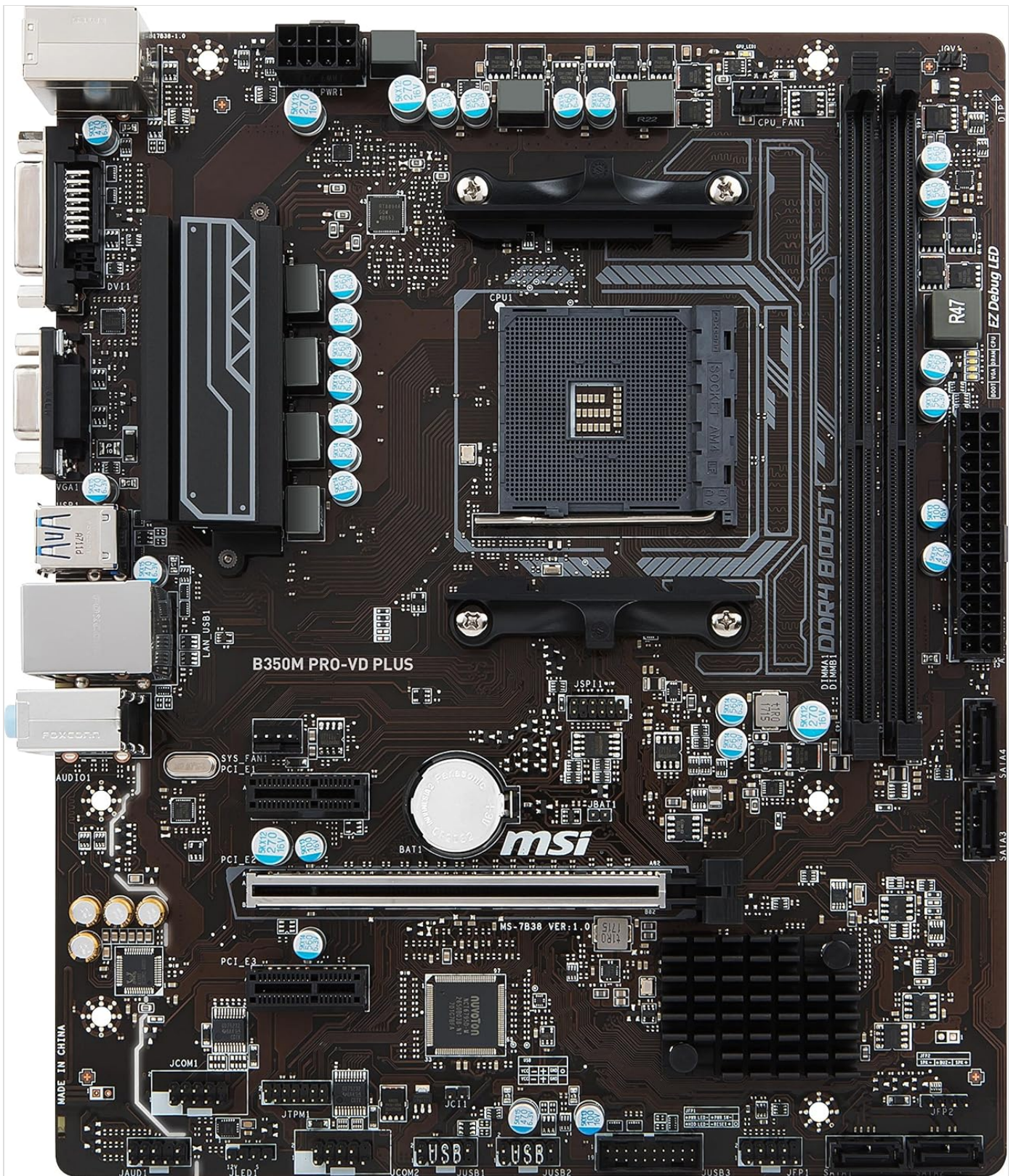


Image 3.1: Top-down view of the MSI B350M PRO-VD Plus Motherboard, showing the CPU socket, RAM slots, PCIe slots, and various connectors.

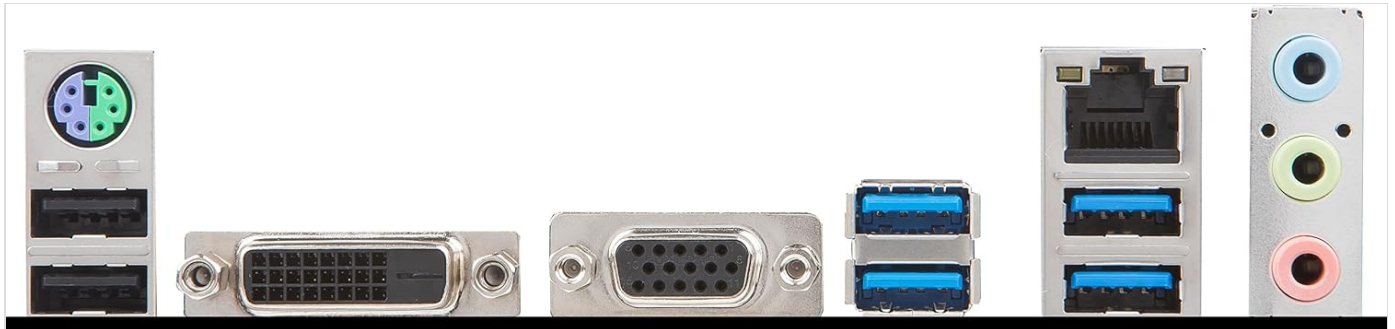
## 3.2 Component Installation

1. **CPU Installation:** Carefully align your AMD Ryzen or 7th Gen A-series/Athlon processor with the AM4 socket. Ensure the CPU is seated correctly before securing the retention lever.
2. **CPU Cooler Installation:** Install the CPU cooler according to its manufacturer's instructions. Ensure proper thermal paste application and secure mounting.
3. **Memory (RAM) Installation:** Insert DDR4 memory modules into the available DIMM slots. This motherboard supports up to 64GB of DDR4 RAM at speeds of 2667/2400/2133 MHz. Ensure the modules are fully seated until

the clips lock into place.

4. **Storage Device Installation:** Connect SATA storage drives (HDDs/SSDs) to the SATA 3 ports on the motherboard using the provided SATA cables.
5. **Expansion Card Installation:** Install any necessary PCIe expansion cards (e.g., graphics cards) into the appropriate PCIe slots.
6. **Power Supply Connections:** Connect the 24-pin ATX main power connector and the 8-pin CPU power connector from your power supply unit to the motherboard.
7. **Front Panel Connections:** Connect the front panel headers for power button, reset button, USB ports, and audio jacks according to the motherboard manual.

### 3.3 Rear I/O Panel



**Image 3.2:** Rear I/O panel of the MSI B350M PRO-VD Plus Motherboard, showing various external ports.

The rear I/O panel provides various ports for connecting external devices. These typically include USB ports (including USB 2.0), audio jacks, a LAN port, and video output ports (DVI, VGA) for integrated graphics (if using an APU).

## 4. OPERATING INSTRUCTIONS

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### 4.1 Initial Power On

After all components are installed and connected, ensure the power supply is switched on. Press the power button on your PC case. The system should initiate the boot process. If the system does not power on, refer to the Troubleshooting section.

### 4.2 BIOS/UEFI Setup

To access the BIOS/UEFI setup utility, press the **DEL** key repeatedly during the initial boot sequence. The BIOS allows you to configure system settings, boot order, and monitor hardware status. Consult the detailed motherboard manual for specific BIOS settings.

### 4.3 Operating System Installation

This motherboard is compatible with the Windows operating system. Install your preferred operating system from a bootable USB drive or DVD. After installation, install the necessary drivers from the MSI website or the included driver disc to ensure optimal performance of all components.

## 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and stable operation of your motherboard and PC system.

- **Dust Removal:** Periodically clean dust from inside your PC case, especially from fans and heatsinks, using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Cable Management:** Ensure all cables are neatly routed and securely connected to prevent interference with airflow.

and accidental disconnections.

- **BIOS Updates:** Check the MSI website for the latest BIOS updates. Updating the BIOS can improve system stability, compatibility, and performance. Follow MSI's instructions carefully when performing a BIOS update.

## 6. TROUBLESHOOTING

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If you encounter issues with your motherboard, consider the following troubleshooting steps:

- **No Power:** Ensure the power supply is connected correctly to the motherboard (24-pin ATX and 8-pin CPU power) and that the power supply switch is in the ON position. Check the front panel power button connection.
- **No Display:** Verify that your monitor is connected to the correct video output port (either on your graphics card or the motherboard's integrated graphics ports if using an APU). Ensure the graphics card is properly seated in its PCIe slot and has adequate power.
- **System Instability/Crashes:** Check RAM modules for proper seating. Test memory with diagnostic tools. Ensure CPU cooler is properly installed and making good contact. Verify all power connections.
- **Easy Debug LED:** The motherboard features an Easy Debug LED system. Consult the Quick Setup Guide or the full manual to interpret the LED indicators, which can help identify issues related to CPU, RAM, or graphics card during boot-up.
- **Peripheral Issues:** If a specific peripheral (e.g., USB device, network) is not working, try connecting it to a different port. Ensure drivers are installed correctly.

If problems persist, consult the MSI support website or contact technical support.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	MSI
Model Name	B350M PRO-VD PLUS
CPU Socket	Socket AM4
Compatible Processors	AMD 1st Generation Ryzen, AMD A-Series, AMD Athlon
Chipset Type	AMD B350
RAM Memory Technology	DDR4
Memory Clock Speed	2133 MHz (Supports 2667/2400/2133 MHz)
Memory Storage Capacity (Max)	64 GB
Memory Slots Available	2
System Bus Standard Supported	SATA 3
USB 2.0 Ports	2 (Rear I/O)
S/PDIF Connector Type	Optical
Platform	Windows
Item Weight	1.8 Pounds

Feature	Specification
Manufacturer	MSI Computer
UPC	824142150801

## 8. WARRANTY INFORMATION

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The MSI B350M PRO-VD Plus Motherboard comes with a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official MSI website.

## 9. SUPPORT

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For further assistance, driver downloads, BIOS updates, FAQs, and additional product information, please visit the official MSI support website: [www.msi.com/support](http://www.msi.com/support)

You may also contact MSI customer service for technical support related to your motherboard.

