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Zalman ZM700-TXII

Zalman MegaMax 700W (80Plus) Non-Modular PC Power Supply User Manual

Model: ZM700-TXII

1. INTRODUCTION

Thank you for choosing the Zalman MegaMax 700W (80Plus) Non-Modular PC Power Supply. This power supply unit (PSU) is designed to provide stable and efficient power to your personal computer components. It features a 700-watt output, 80Plus efficiency certification, a silent 120mm cooling fan, and a comprehensive set of connectors for various PC components.

This manual provides essential information for the safe installation, operation, and maintenance of your Zalman MegaMax 700W PSU. Please read it thoroughly before installation and keep it for future reference.



Figure 1: Zalman MegaMax 700W Power Supply. This image shows the overall design of the power supply unit, including the top grille and side branding.

2. SETUP AND INSTALLATION

2.1 Safety Precautions

- Always disconnect the AC power cord from the wall outlet before installing or removing the PSU.
- Do not open the PSU casing. High voltages are present inside, and there are no user-serviceable parts.
- Ensure proper grounding to prevent electrical shock.
- Install the PSU in a well-ventilated area, away from heat sources and moisture.
- Use only the cables provided with the PSU.

2.2 Package Contents

Verify that your package contains the following items:

- Zalman MegaMax 700W Power Supply Unit
- AC Power Cord
- Mounting Screws
- User Manual (this document)

2.3 Installation Steps

- 1. Prepare Your PC Case:** Ensure your PC case is compatible with ATX power supplies. Remove the side panel of your computer case.
- 2. Mount the PSU:** Carefully slide the Zalman MegaMax 700W PSU into the designated PSU bay in your PC case. Align the screw holes and secure the PSU with the provided mounting screws.
- 3. Connect Motherboard Power:** Connect the 24-pin ATX main power connector to the corresponding port on your motherboard. Connect the 4+4-pin CPU power connector (EPS12V) to the CPU power port on your motherboard.
- 4. Connect Graphics Card Power:** If your graphics card requires external power, connect the PCI-E (6+2) pin connectors from the PSU to your graphics card. This PSU provides two such connectors.
- 5. Connect Storage and Peripherals:** Connect the SATA power connectors to your SSDs, HDDs, and optical drives. Use the PATA (Molex) connectors for older peripherals or case fans if needed. This PSU provides six SATA and four PATA connectors.
- 6. Secure Cables:** Route and secure all cables neatly within your case to ensure optimal airflow and a clean build.
- 7. Connect AC Power:** Once all internal connections are made, connect the AC power cord to the PSU's power inlet and then to a grounded wall outlet.
- 8. Power On:** Flip the power switch on the back of the PSU to the 'ON' (I) position. You can now power on your computer.



Figure 2: Rear panel and cable connections. This image illustrates the AC power input, power switch, and the fixed cables exiting the non-modular power supply.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

- To power on the PSU, ensure the rear switch is in the 'ON' (I) position. Your computer can then be powered on via its case power button.
- To power off the PSU completely, first shut down your computer through the operating system, then flip the rear switch to the 'OFF' (O) position.

3.2 Cooling Fan Operation

The Zalman MegaMax 700W features a silent 120mm fan designed to provide efficient cooling while minimizing noise levels. The fan operates automatically, adjusting its speed based on the PSU's internal temperature and load to maintain optimal operating conditions.

3.3 80Plus Efficiency

This power supply is 80Plus certified, indicating that it meets specific efficiency standards. This means it converts a high percentage of AC power into usable DC power, reducing wasted energy as heat and lowering operating costs.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your PSU.

4.1 Cleaning

- **External Cleaning:** Periodically wipe the exterior of the PSU with a soft, dry cloth.
- **Dust Removal:** Over time, dust can accumulate inside the PSU and on the fan blades, affecting cooling performance. With the PSU powered off and disconnected from the wall, use compressed air to gently clear dust from the fan grille and exhaust vents. Do not attempt to open the PSU casing.

4.2 Ventilation

Ensure that the PSU's intake and exhaust vents are not obstructed. Maintain adequate airflow within your PC case to prevent overheating.



Figure 3: Bottom view of the PSU, highlighting the 120mm cooling fan. Regular cleaning of this area is important for optimal performance.

5. TROUBLESHOOTING

If you encounter issues with your Zalman MegaMax 700W PSU, refer to the following troubleshooting guide:

- **No Power to System:**

- Check if the AC power cord is securely connected to both the PSU and the wall outlet.
- Ensure the power switch on the back of the PSU is in the 'ON' (I) position.
- Verify that the wall outlet is functional by plugging in another device.
- Confirm all internal power connectors (24-pin ATX, 4+4-pin CPU, PCI-E) are firmly seated.

- **System Instability or Random Crashes:**

- Ensure all power connections to components are secure.
- Verify that your system's total power consumption does not exceed the PSU's 700W capacity.
- Check for proper ventilation within the PC case to prevent overheating.

- **Excessive Fan Noise:**

- Power off and disconnect the PSU. Inspect the fan grille for any obstructions (e.g., loose cables, dust buildup).
- Clean any dust from the fan blades using compressed air.

- **Burning Smell or Smoke:**

- Immediately power off the computer and disconnect the AC power cord from the wall outlet.
- Do not attempt to use the PSU again. Contact Zalman support or your retailer for assistance.

6. SPECIFICATIONS

Feature	Specification
Brand	Zalman
Model Number	ZM700-TXII
Form Factor	ATX
Output Power	700 Watts
Efficiency	80Plus (230V EU)
Cooling Method	Air (120mm fan)
Compatible Devices	Personal Computer
Connectors	PCI-E (6+2)x2, SATAx6, PATAx4
Dimensions (W x H x L)	Approx. 15 cm x 8.6 cm x 14 cm
Weight	1.9 Kilograms

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Zalman website. Warranty terms and conditions may vary by region and retailer.

If you require technical assistance or have questions not covered in this manual, please contact Zalman customer support through their official website or the retailer from whom you purchased the product.