

MSI MPG A1000G

MSI MPG A1000G 1000W PCIE 5.1 & ATX 3.1 Gaming Power Supply User Manual

Brand: MSI | Model: MPG A1000G | 1000W 80 PLUS Gold Certified

1. INTRODUCTION AND OVERVIEW

The MSI MPG A1000G Gaming Power Supply is engineered for reliable and stable operation in high-performance computing systems. It features a fully modular design, 80 PLUS Gold certification for high efficiency, and is built with 100% Japanese 105°C capacitors for enhanced durability. This manual provides essential information for the proper installation, operation, and maintenance of your power supply unit.

2. KEY FEATURES

- **PCIE 5.1 & ATX 3.1 Ready:** Designed to support the latest graphics cards and system architectures.
- **1000W Output:** Provides ample power for demanding gaming and workstation setups.
- **80 PLUS Gold Certified:** Ensures high power efficiency, reducing energy waste and heat generation.
- **Fully Modular Design:** Allows for clean cable management by connecting only necessary cables.
- **100% Japanese 105°C Capacitors:** Guarantees long-term reliability and performance stability.
- **Compact Size:** Designed to fit easily into various PC cases.

3. SETUP AND INSTALLATION

3.1 Unboxing and Components

Carefully unpack all components from the box. Ensure all items listed in the packing list are present. The package includes the power supply unit, a main power cord, mounting screws, and a variety of modular cables for different connections.



Figure 1: MSI MPG A1000G Power Supply Unit and its comprehensive set of modular cables.

3.2 Connecting Modular Cables

The fully modular design allows you to connect only the cables required for your system, reducing clutter and improving airflow. Refer to the labels on the PSU and the cables to ensure correct connections.

ATX
3.0
COMPATIBLE

PCIe
5.0
READY



POWER EXCURSION

↑2X

2x Total
Power Excursion

POWER EXCURSION

↑3X

3x GPU
Power Excursion



Japanese
Capacitor



Single
Rail

Flat
Cables

Flat
Cables

Figure 2: Side view of the power supply unit, highlighting the modular cable connection ports.

For PCIe 5.1 connections, ensure the 12VHPWR (PCIe 5.0 16-pin) cable is fully inserted into both the PSU and the graphics card. Improper insertion can lead to issues.

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Video 1: Official MSI overview of the MPG A1000G PCIe5 Power Supply Unit, demonstrating its features and modularity.

4. OPERATING INSTRUCTIONS

4.1 Zero Fan Mode

The power supply features a 'Zero Fan' mode for silent operation under low to moderate loads. In this mode, the fan will not spin until the power consumption exceeds a certain threshold, ensuring a quiet computing experience.

Full-Modular Design

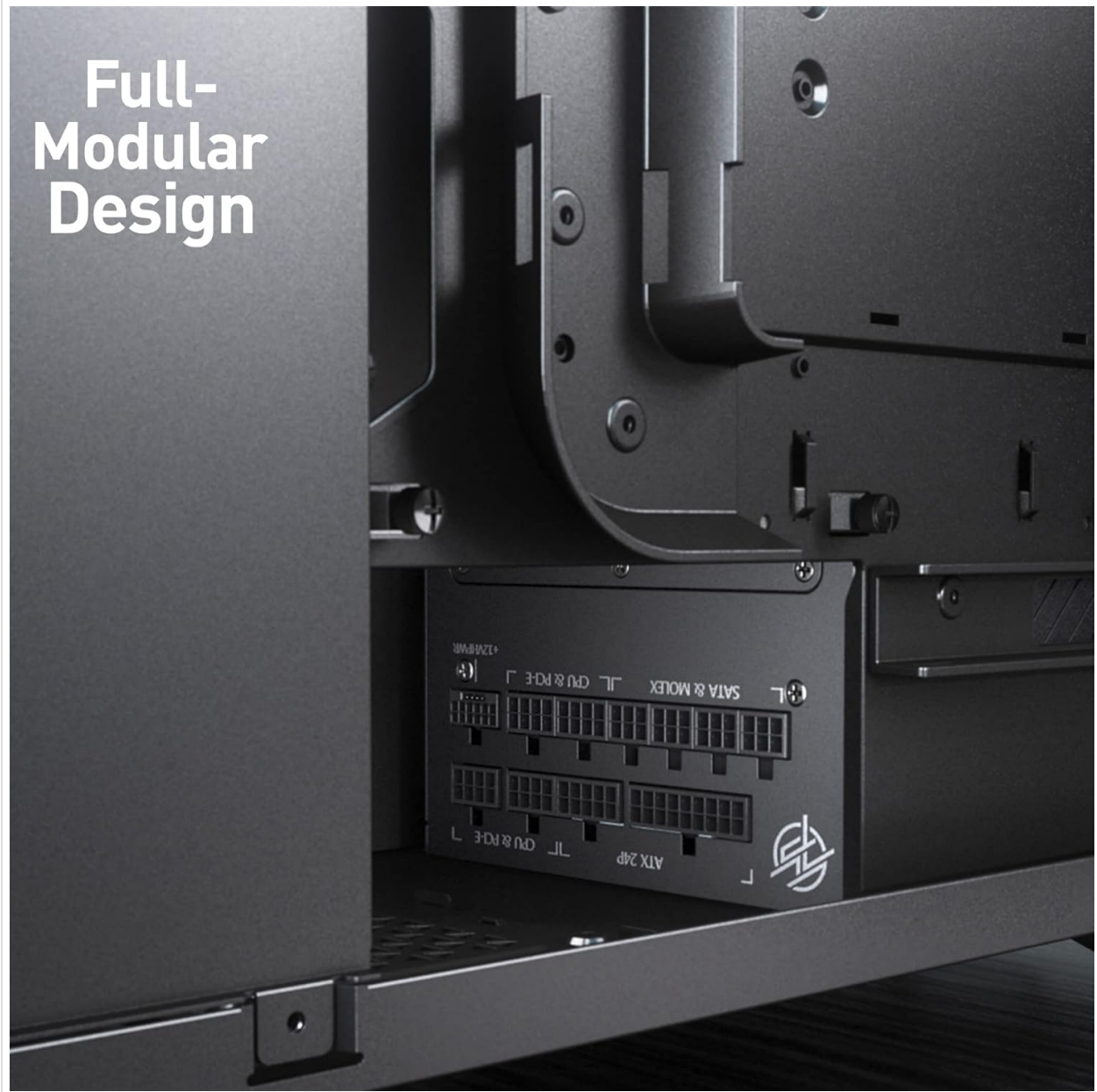


Figure 3: Rear panel of the power supply, indicating the power switch and the 'Zero Fan' mode button.

To enable or disable Zero Fan mode, locate the dedicated button on the rear panel of the PSU. When the button is in the 'out' position, Zero Fan mode is active (fan off at low loads). When the button is 'pushed in', Zero Fan mode is disabled, and the fan will spin continuously.

5. MAINTENANCE

To ensure optimal performance and longevity of your power supply unit, regular maintenance is recommended:

- **Dust Removal:** Periodically clean the fan grille and interior of the PSU (if accessible and safe to do so) using compressed air to prevent dust buildup, which can hinder cooling efficiency.
- **Cable Inspection:** Regularly check all modular cables for secure connections and any signs of wear or damage.
- **Environmental Conditions:** Ensure the PSU operates in a well-ventilated environment with appropriate ambient temperatures.

6. TROUBLESHOOTING

If you encounter issues with your MSI MPG A1000G power supply, consider the following:

- **No Power:** Ensure the main power cable is securely connected to both the PSU and the wall outlet. Check the power switch on the PSU and the system's power button.
- **System Instability/Crashes:** Verify all modular cables are correctly and fully seated. Ensure your system's power requirements do not exceed the PSU's capacity.
- **Fan Not Spinning (Zero Fan Mode):** If Zero Fan mode is enabled, the fan will only spin under higher loads. If the fan does not spin even under heavy load with Zero Fan mode disabled, contact support.
- **Unusual Noises:** If you hear abnormal noises, ensure no cables are obstructing the fan. If the noise persists, discontinue use and contact support.

7. SPECIFICATIONS

Feature	Detail
Brand	MSI
Model Name	MPG A1000G
Output Wattage	1000 Watts
Form Factor	ATX
Efficiency Certification	80 PLUS Gold
Capacitors	100% Japanese 105°C
Cooling Method	Air
Dimensions (LxWxH)	11.5 x 9.5 x 5.4 inches
Weight	6.6 pounds (3 Kilograms)
Connector Type	ATX, PCIE 5.1, ATX 3.1

8. WARRANTY AND SUPPORT

The MSI MPG A1000G Power Supply is backed by a **10-year limited warranty**, ensuring long-term reliable operation. For technical support, warranty claims, or further assistance, please visit the official MSI website or contact their customer service department.

For more information and support resources, please visit the [MSI Store on Amazon](#).