ASUS ROG-STRIX-1000G

ASUS ROG STRIX 1000W Gold PSU User Manual

Model: ROG-STRIX-1000G

1. INTRODUCTION

Thank you for choosing the ASUS ROG STRIX 1000W Gold Power Supply Unit. This high-performance PSU is designed to deliver stable and efficient power to your PC components, featuring advanced cooling technologies and premium components for reliability and longevity. This manual provides essential information for the proper installation, operation, and maintenance of your power supply.

The ASUS ROG STRIX 1000W Gold PSU is compatible with multiple voltage ranges (100-240V), ensuring broad compatibility across different regions.

Image: The ASUS ROG STRIX 1000W Gold Power Supply Unit alongside its retail packaging.

2. SAFETY INFORMATION

Please read and understand all safety precautions before installing or operating the power supply. Failure to do so may result in injury or damage to the product and other components.

- **Power Disconnection:** Always disconnect the power cord from the wall outlet before installing, removing, or cleaning the power supply or any other computer components.
- **Ventilation:** Ensure adequate ventilation around the power supply. Do not block any ventilation openings.
- **Moisture:** Do not expose the power supply to water or excessive humidity.
- **Voltage:** This power supply supports 100-240V AC input. Ensure your wall outlet voltage is within this range.
- **Professional Installation:** If you are unsure about any installation steps, consult a qualified technician.
- **Internal Components:** Do not open the power supply casing. High voltages are present inside, even when disconnected from power. There are no user-serviceable parts inside.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ASUS ROG STRIX 1000W Gold Power Supply Unit

- Modular Cable Set (including ATX 24-pin, EPS/CPU 4+4-pin, PCIe 6+2-pin, SATA, Molex cables)

- AC Power Cord

- Mounting Screws

- Cable Ties/Velcro Straps

- ROG Logo Magnets and Stickers for customization

- User Manual (this document, or a printed version)

Image: The ROG STRIX PSU showing its cosmetic customization options, including magnetic logos and stickers.

4. SETUP AND INSTALLATION

Follow these steps to install your power supply into your computer system:

1. **Prepare Your System:**
   - Turn off your computer and disconnect the AC power cord from the wall outlet.
   - Open your computer case.
   - If replacing an existing PSU, disconnect all cables from the old PSU and remove it from the case.

2. **Mount the PSU:**
   - Carefully slide the ASUS ROG STRIX 1000W Gold PSU into the power supply bay of your computer case.
   - Align the screw holes on the PSU with those on the case.
   - Secure the PSU using the provided mounting screws.

3. **Connect Modular Cables:**
   - Identify the necessary cables for your components (motherboard, CPU, GPU, storage drives, etc.).
   - Connect the required modular cables to the corresponding ports on the power supply. Ensure a firm connection.
   - Route the cables neatly within your case for optimal airflow and aesthetics.

Image: A close-up view of the fully modular cable connections on the ASUS ROG STRIX 1000W Gold PSU.

4. **Connect to Components:**
   - Connect the other end of each modular cable to its respective component (e.g., 24-pin ATX to motherboard, 8-pin EPS to CPU, 6+2-pin PCIe to graphics card).
   - Double-check all connections to ensure they are secure.

5. **Close Case and Power On:**
   - Close your computer case.
   - Connect the AC power cord to the power supply and then to a wall outlet.
   - Flip the power switch on the PSU to the "ON" position.
   - Power on your computer.

5. OPERATING FEATURES

The ASUS ROG STRIX 1000W Gold PSU incorporates several features to enhance performance and user experience:

- **ROG Heatsinks:** Custom-designed ROG heatsinks cover critical components within the PSU. This design leads to lower operating temperatures, which in turn contributes to a longer lifespan for the unit and reduced noise output.

- **Axial-tech Fan Design:** The fan features a smaller hub that allows for longer blades, and a barrier ring that increases downward air pressure. This design optimizes cooling performance while minimizing noise.

- **Dual Ball Fan Bearings:** The fan utilizes dual ball bearings, which are known for their durability and longevity, lasting up to twice as long as traditional sleeve bearing designs.

- **0dB Technology:** For quiet operation during light loads, the 0dB Technology stops the fan completely when the power draw is below a certain threshold. This allows for silent computing during less demanding tasks, such as web browsing or light gaming. The fan will automatically spin up when the load increases.

- **80 PLUS Gold Certification:** This certification signifies high power efficiency, meaning less wasted energy as heat and lower operating costs. The PSU achieves this efficiency through the use of high-quality Japanese capacitors and other premium components.

ROG Heatsinks

Customized heatsinks cover critical components for a longer lifespan and less noise.

Image: Detailed view of the ROG heatsinks designed to cool critical components.

Axial-tech Fan Design

A smaller fan hub facilitates longer blades and a barrier ring that increases downward air pressure.

Image: An illustration highlighting the Axial-tech fan design with its barrier ring and longer blades.

Image: An internal view of the power supply showcasing the premium components responsible for its 80 PLUS Gold Certification.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power supply.

- **Cleaning:** Periodically clean the exterior of the power supply and its fan grille to prevent dust buildup. Use a soft, dry cloth or compressed air. Ensure the power supply is turned off and unplugged before cleaning.
- **Airflow:** Ensure that your computer case has good airflow and that the PSU's intake and exhaust vents are not obstructed.
- **Cable Management:** Good cable management not only improves aesthetics but also enhances airflow within your case, contributing to cooler operating temperatures for all components, including the PSU.

7. TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Computer does not power on.	Power cord not connected. PSU switch is OFF. Loose cable connections. Faulty component (e.g., motherboard, CPU).	Ensure power cord is securely connected to PSU and wall outlet. Flip the PSU switch to the "ON" position. Check all modular cable connections (24-pin ATX, CPU, GPU, etc.). Test components individually if possible, or try a different PSU if available.
System powers on but shuts down immediately.	Overload or short circuit. Insufficient power. Overheating.	Disconnect non-essential components and try again. Check for any loose screws or metal objects inside the case that could cause a short. Ensure your system's power requirements do not exceed the PSU's capacity. Check for proper airflow and ensure PSU fan is spinning (when under load).
Fan is not spinning.	0dB Technology is active (low load). Fan malfunction.	This is normal behavior under low system loads due to 0dB Technology. The fan will activate when the load increases. If the fan does not spin under heavy load, contact ASUS support.
Unusual noises from PSU.	Coil whine (normal for some PSUs). Fan obstruction or bearing issue.	Minor coil whine is generally harmless. If it's excessive or new, monitor system stability. Ensure no cables or debris are obstructing the fan. If the noise persists and is loud, contact ASUS support.

8. SPECIFICATIONS

Feature	Detail
Model Name	ROG-STRIX-1000G
Brand	ASUS
Output Wattage	1000 Watts
Form Factor	ATX
Efficiency Certification	80 PLUS Gold
Cooling Method	Air (Axial-tech fan design, 0dB Technology)
Fan Bearings	Dual Ball Bearings
Capacitors	Japanese Capacitors
Dimensions (L x W x H)	6.3 x 5.9 x 3.4 inches (160 x 150 x 86 mm)

Feature	Detail
Item Weight	4.16 pounds (1.89 Kilograms)
Compatible Devices	Desktop, Personal computer
Connector Type	SATA (Fully Modular)

9. WARRANTY AND SUPPORT

ASUS provides a 10-year warranty for the ROG STRIX 1000W Gold PSU, covering defects in materials and workmanship under normal use. For detailed warranty terms and conditions, please refer to the official ASUS website or the warranty card included with your product.

For technical support, troubleshooting assistance, or to inquire about warranty service, please visit the official ASUS support website or contact their customer service. You may also find additional resources, including the full user guide in PDF format, at the following link: ASUS ROG STRIX 1000W Gold PSU User Guide (PDF).

For more information about ASUS products and support, visit the ASUS Store on Amazon.

Related Documents - ROG-STRIX-1000G

	ASUS ROG STRIX Power Supply Unit Quick Start Guide This document provides a quick start guide for the ASUS ROG STRIX Power Supply Unit, covering installation, safety precautions, and product features. It includes multilingual quick start information and compliance details.
	ASUS ROG Strix Aura 1000W Power Supply Unit Quick Start Guide This document provides a quick start guide for the ASUS ROG Strix Aura 1000W Power Supply Unit, covering product overview, installation instructions, and safety information in multiple languages.
	ASUS ROG STRIX PSU Quick Start Guide - Installation and Safety Information A concise guide to installing and safely operating the ASUS ROG STRIX Power Supply Unit. Includes product overview, step-by-step installation instructions, and essential safety warnings.

	ASUS ROG Strix 1200W Platinum Power Supply Unit - Features and Specifications Explore the features and specifications of the ASUS ROG Strix 1200W Platinum power supply unit, including GaN MOSFET, Intelligent Voltage Stabilizer, ROG Heatsinks, ATX 3.1 compatibility, and 10-year warranty.
	Ghid Electronic ASUS ROG Strix SCAR 18 (2023) G834 - Manual Complet Explorați manualul electronic complet pentru notebook-ul ASUS ROG Strix SCAR 18 (2023) G834. Descoperiți ghiduri detaliate despre configurarea hardware, utilizarea sistemului Windows, sfaturi de întreținere și soluții de depanare.
	ASUS ROG Strix LC II ARGB Series Liquid CPU Cooler Quick Start Guide Comprehensive guide for installing the ASUS ROG Strix LC II ARGB Series liquid CPU cooler. Covers package contents, step-by-step installation for Intel and AMD platforms, cable connections, and software download instructions.