

ASUS ROG-STRIX-1000G-AURA-GAMING

ASUS ROG Strix 1000W Gold Aura Edition Power Supply User Manual

Model: ROG-STRIX-1000G-AURA-GAMING

1. INTRODUCTION

The ASUS ROG Strix 1000W Gold Aura Edition is a high-performance, fully modular power supply designed for demanding gaming and workstation systems. It delivers stable and efficient power, featuring 80 Plus Gold certification, ATX 3.0 compatibility, and customizable Aura Sync RGB lighting. This manual provides essential information for proper installation, operation, and maintenance of your power supply unit.

2. KEY FEATURES

- **Aluminum Case:** A strong aluminum chassis acts as a heatsink for the internal power transformer, helping to reduce temperatures and minimize noise.
- **ROG Heatsinks:** Large ROG heatsinks cover critical components, delivering lower temperatures and noise than standard designs.
- **Axial-tech Fan Design:** Features a smaller fan hub that facilitates longer blades and a barrier ring that increases downward air pressure for enhanced cooling.
- **Dual Ball Fan Bearings:** Designed for longevity, these bearings can last up to twice as long as sleeve bearing designs.
- **0dB Technology:** Enables silent operation during light loads, with the fan activating only when necessary.
- **80 Plus Gold Certification:** Ensures high power efficiency, reducing heat generation and operating costs.
- **ATX 3.0 & PCIe Gen 5.0 Ready:** Compliant with ATX 3.0 guidelines and includes a 16-pin PCIe cable capable of delivering up to 600W to PCIe Gen 5.0 graphics cards.
- **Aura Sync:** Advanced customization with addressable RGB LEDs and Aura Sync compatibility for synchronized lighting effects.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ASUS ROG Strix 1000W Gold Aura Edition Power Supply Unit
- Modular Cable Set:
 - Motherboard Power Cable (24-pin) x 1 (600mm)
 - CPU Cable (4+4-pin) x 2 (650mm)
 - PCI-E Gen 5.0 16-pin Cable x 1 (700mm)
 - PCI-E 1-to-1 Cable (6+2-pin) x 2 (700mm)
 - PCI-E 1-to-2 Cable (6+2-pin) x 1 (700mm)
 - SATA 1-to-2 Cable x 1 (400 + 120 mm)
 - SATA 1-to-3 Cable x 1 (400 + 120 + 120 mm)
 - Peripheral (Molex) 1-to-4 Cable x 1 (400 + 150 + 150 + 150 mm)
 - Addressable RGB Cable x 1 (800mm)
- AC Power Cord
- Mounting Screws
- Cable Ties
- User Manual (this document)



Figure 1: Included Modular Cables

4. SETUP

Follow these steps to install your ASUS ROG Strix 1000W Gold Aura Edition Power Supply:

1. **Preparation:** Ensure your computer is completely powered off and unplugged from the wall outlet. Open your PC case to access the internal components.
2. **Remove Old PSU (if applicable):** Disconnect all power cables from your existing power supply and remove it from the case.
3. **Install New PSU:** Carefully place the ASUS ROG Strix 1000W Gold Aura Edition Power Supply into the designated power supply bay in your PC case. Secure it with the provided mounting screws.

4. Connect Main Power Cables:

- Connect the 24-pin ATX motherboard cable to your motherboard.
- Connect the CPU power cables (4+4-pin or 8-pin) to the appropriate headers on your motherboard.

5. Connect Graphics Card Power:

- For compatible graphics cards, connect the 16-pin PCIe Gen 5.0 cable directly to the GPU.
- For other graphics cards, use the appropriate 6+2-pin PCIe cables.

6. Connect Peripheral Power:

- Connect SATA power cables to your SSDs, HDDs, and other SATA-powered devices.
- Connect peripheral (Molex) cables to any other components requiring this connection type.

7. **Aura Sync Connection (Optional):** If your motherboard supports ASUS Aura Sync, connect the Addressable RGB cable from the PSU to a compatible 3-pin Addressable RGB header on your motherboard to synchronize lighting effects.

8. **Cable Management:** Route all cables neatly to improve airflow within your case and for a cleaner aesthetic. Use the included cable ties if necessary.

9. **Close Case and Power On:** Securely close your PC case. Connect the AC power cord to the PSU and a wall outlet. Flip the power switch on the PSU to the "ON" position. You can now power on your computer.



Figure 2: Modular Cable Connections



Figure 3: Rear Panel with Power Switch and 0dB Fan Switch

5. OPERATING

The ASUS ROG Strix 1000W Gold Aura Edition Power Supply is designed for optimal performance and user convenience.

- **0dB Fan Mode:** This power supply features 0dB Technology. When the system load is low (typically below 40% of maximum wattage), the fan will remain off for completely silent operation. As the system load increases, the fan will automatically spin up to maintain optimal temperatures. This mode can be toggled via a switch on the rear of the PSU.
- **Aura Sync RGB Lighting:** If you have connected the Addressable RGB cable to a compatible motherboard, you can control the PSU's RGB lighting effects using the ASUS Aura Sync software. This allows for synchronized lighting across all compatible components in your system.

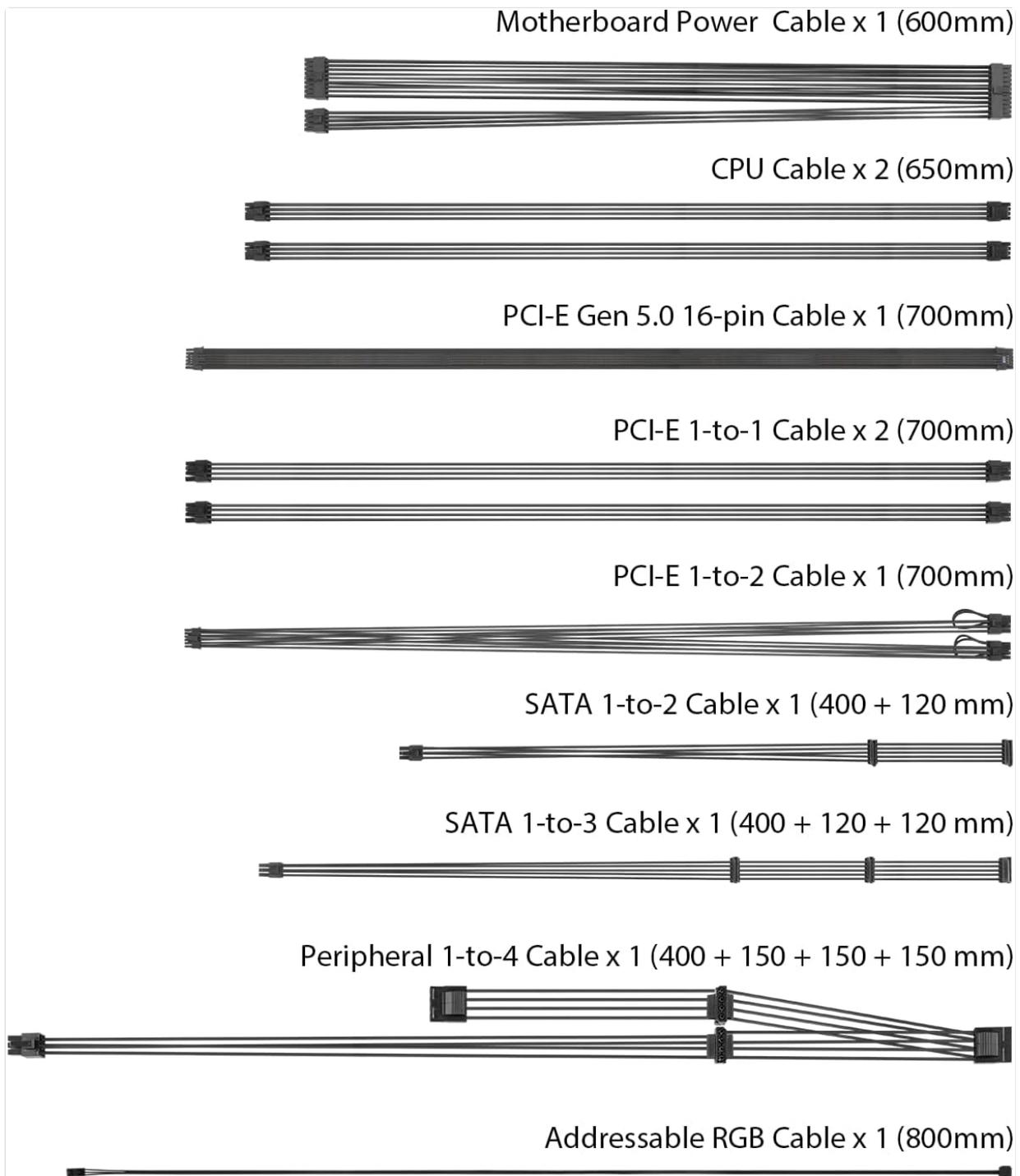


Figure 4: Aura Sync RGB Lighting

6. MAINTENANCE

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

- **Cleaning:** Regularly inspect the PSU fan and ventilation grilles for dust accumulation. With the PC powered off and unplugged, use compressed air to gently clear any dust. Avoid using liquid cleaners directly on the unit.
- **Cable Inspection:** Periodically check all modular cable connections to ensure they are firmly seated. Loose connections can lead to instability or component damage.
- **Operating Environment:** Ensure your PC is operated in a well-ventilated area to prevent overheating. Avoid blocking the PSU's intake or exhaust vents.

7. TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following common troubleshooting steps:

- **No Power to System:**

- Ensure the AC power cord is securely connected to both the PSU and a working wall outlet.
- Verify the PSU's main power switch on the rear panel is in the "ON" position.
- Check all internal power connections (24-pin motherboard, CPU, PCIe) are firmly seated.
- Test the wall outlet with another device to confirm it has power.

- **System Instability or Random Shutdowns:**

- Ensure your PSU's wattage is sufficient for all installed components, especially high-power graphics cards and CPUs.
- Check for any loose cable connections within the system.
- Monitor system temperatures to ensure components are not overheating.
- If the issue persists, it may indicate a component failure or insufficient power delivery.

- **Excessive Fan Noise:**

- The 0dB fan mode keeps the fan off at low loads. If the fan is noisy at low loads, ensure the 0dB mode is enabled (if desired) via the switch on the PSU's rear panel.
- Clean any dust buildup from the fan blades and vents.

- **Aura Sync RGB Not Working:**

- Verify that the Addressable RGB cable is correctly connected to a compatible 3-pin header on your motherboard.
- Ensure ASUS Aura Sync software is installed and updated to the latest version.

If these steps do not resolve your issue, please refer to the Warranty and Support section for further assistance.

8. SPECIFICATIONS

Feature	Description
Brand	ASUS
Series	ROG-STRIX-1000G-AURA-GAMING
Model Name	ROG-STRIX-1000G-AURA-GAMING
Hardware Platform	PC
Item Weight	6.6 pounds
Product Dimensions (LxWxH)	7.08 x 5.9 x 3.3 inches
Manufacturer	ASUS

Compatible Devices	Personal computer, Desktop, Laptop, Server, Workstation, ATX form factor compatible systems
Connector Type	ATX
Output Wattage	1000 Watts
Form Factor	ATX
Cooling Method	Air

9. WARRANTY AND SUPPORT

- **Warranty:** The ASUS ROG Strix 1000W Gold Aura Edition Power Supply is backed by a 10-Year Limited Warranty. For complete details regarding warranty coverage, terms, and conditions, please visit the official ASUS website.
- **Technical Support:** For any technical assistance, troubleshooting guidance beyond this manual, or service inquiries, please visit the official ASUS support website at www.asus.com/support/ or contact their customer service department.

10. PRODUCT VIDEOS

Your browser does not support the video tag.

Video 1: ROG Strix Gold Aura Edition Overview. This video provides a brief overview of the key features and design of the ASUS ROG Strix Gold Aura Edition Power Supply.