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› [GAMEMAX RGB-1050 1050W ATX 3.0 & PCIe 5.0 Power Supply User Manual](#)

## GAMEMAX RGB1050-WHITE

# GAMEMAX RGB-1050 1050W ATX 3.0 & PCIe 5.0 Power Supply User Manual

Model: RGB1050-WHITE

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your GAMEMAX RGB-1050 1050W ATX 3.0 & PCIe 5.0 Power Supply. Please read this manual thoroughly before installation and retain it for future reference.

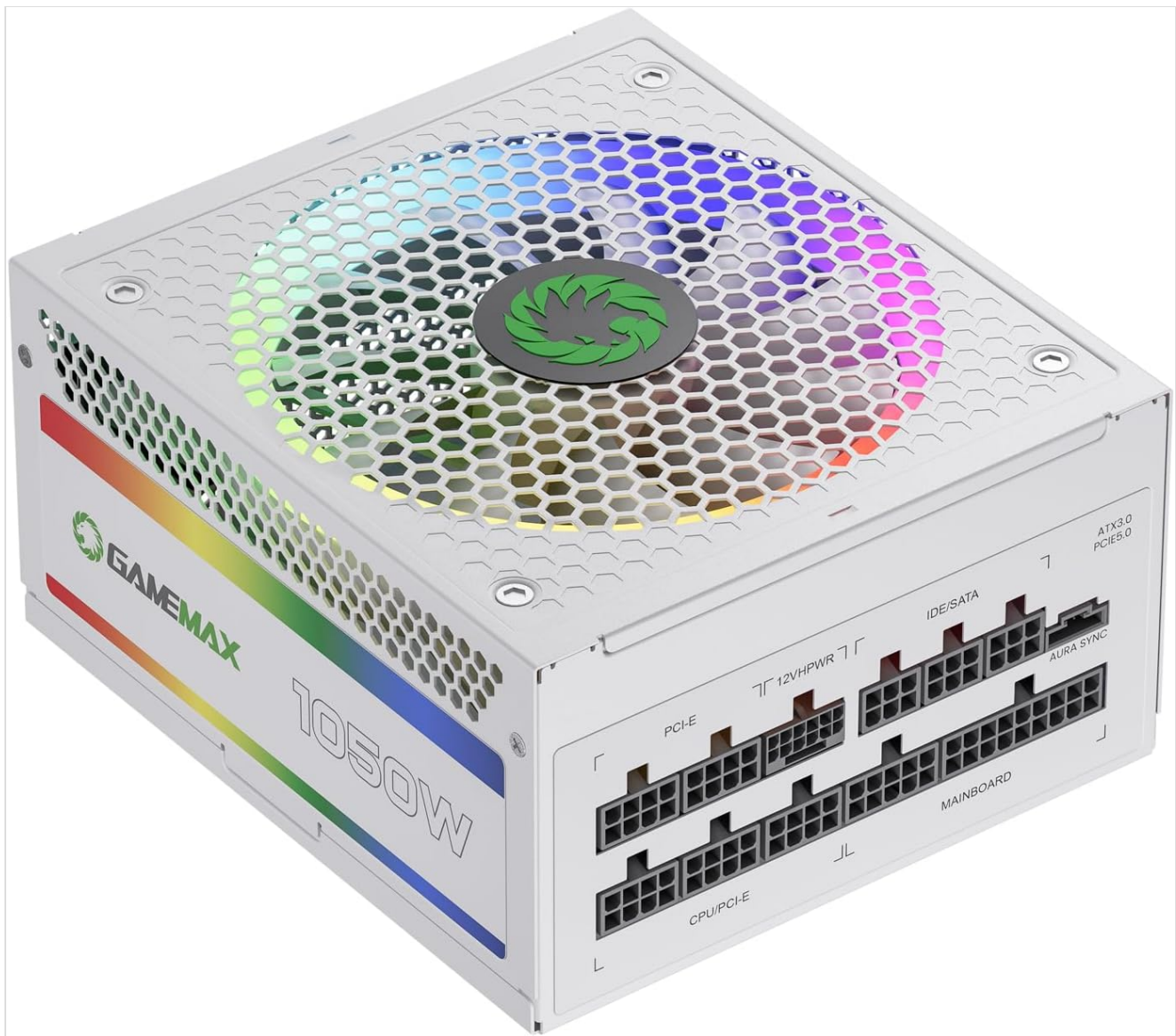


Image 1.1: The GAMEMAX RGB-1050 1050W ATX 3.0 & PCIe 5.0 Power Supply, showcasing its white chassis and addressable RGB fan.

## 2. SAFETY INFORMATION

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Observe the following safety guidelines to prevent injury and damage to your equipment:

- Ensure the power supply is disconnected from the AC power outlet before installation or handling.
- This device contains high voltage components. Do not open the power supply casing. Refer all servicing to qualified personnel.
- Install the power supply in a well-ventilated area, away from heat sources and moisture.
- Use only the modular cables provided with this power supply. Using incompatible cables may cause damage.
- Ensure proper grounding of your computer system.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- GAMEMAX RGB-1050 1050W Power Supply
- Modular Cable Set (refer to Image 3.1 for details)
- AC Power Cord

- Mounting Screws
- User Manual (this document)

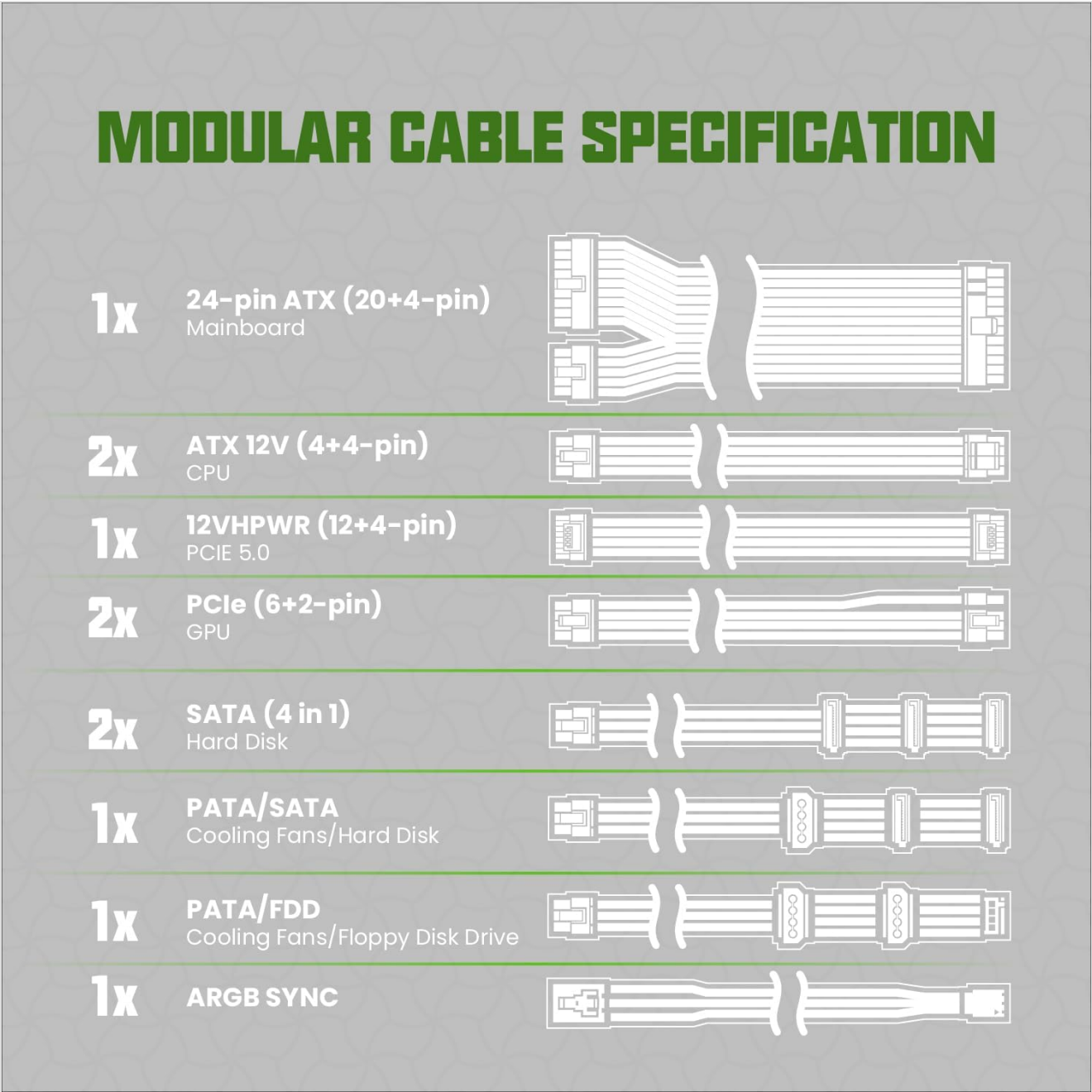


Image 3.1: Diagram illustrating the modular cable specifications included with the power supply, detailing connector types and quantities such as 24-pin ATX, ATX 12V (4+4-pin) CPU, 12VHPWR (12+4-pin) PCIe 5.0, PCIe (6+2-pin) GPU, SATA, PATA/SATA, PATA/FDD, and ARGB Sync cables.

## 4. PRODUCT OVERVIEW & FEATURES

The GAMEMAX RGB-1050 is a high-performance power supply designed for modern gaming systems, offering efficiency, stability, and customizable aesthetics.

### 4.1. Key Features

- **80 Plus Gold Certified:** Achieves 90% or higher efficiency under typical loads, reducing energy consumption and heat generation.
- **Stable & Safe Output:** Features a DC-DC structure, LLC resonance assist, and 12V synchronous rectification for consistent and reliable power delivery.
- **ATX 3.0 & PCIe 5.0 Ready:** Equipped with a 12VHPWR 16-pin connector, capable of delivering up to 600W to

power-hungry graphics cards. Supports up to 2x total power excursion and 3x GPU power excursion, ensuring compatibility with future high-performance components.

- **ARGB Lighting Control:** Addressable RGB lighting can synchronize with motherboard ARGB software, offering 25 smart lighting modes and an RGB memory function.
- **Ultra-quiet & Durable Fan:** A 140mm fan with hydraulic bearing provides efficient heat dissipation while maintaining low noise levels.
- **Fully Modular Design:** Allows for cleaner cable management by connecting only the necessary cables.
- **100% Japanese Capacitors:** Ensures long-term reliability and stability.



Image 4.1: An overview of the power supply highlighting key features such as 80 Plus Gold certification, 100% Japanese capacitors, ARGB Addressable lighting, ATX 3.0 compatibility, 12VHPWR connector, and DC-DC conversion.



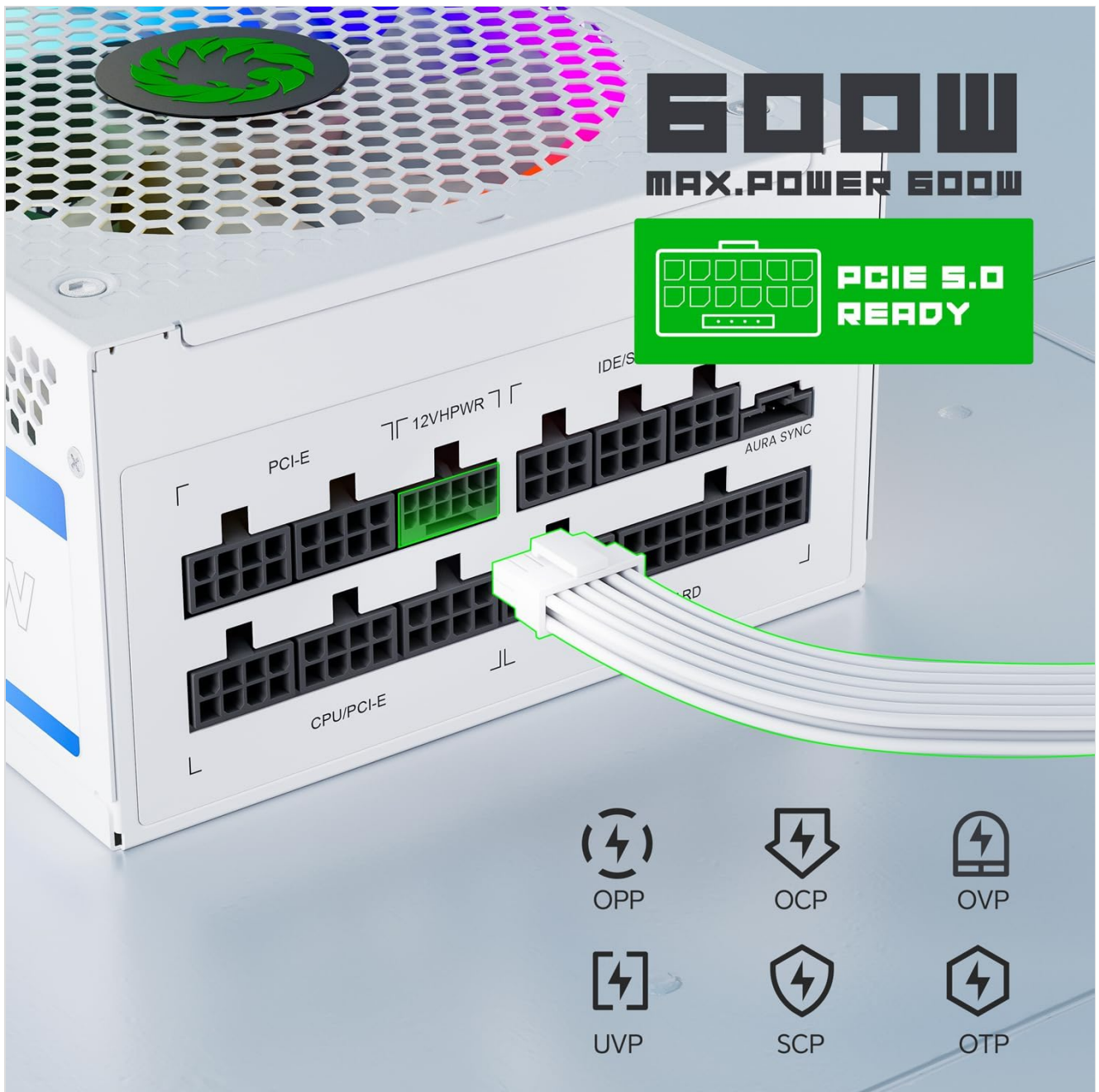


Image 4.2: Close-up view emphasizing the PCIe 5.0 readiness with a 12VHPWR connector capable of 600W output, alongside icons representing various protection features: Over Power Protection (OPP), Over Current Protection (OCP), Over Voltage Protection (OVP), Under Voltage Protection (UVP), Short Circuit Protection (SCP), and Over Temperature Protection (OTP).

**100%  
JAPANESE  
CAPACITORS**

**PROVIDING GREAT DURABILITY AS WELL AS  
OFFERING THE HIGHEST STABILITY**

Image 4.3: A detailed view of a Japanese capacitor inside the power supply, indicating its role in providing durability and stability.



Image 4.4: Illustration of the 140mm fan, highlighting features such as PWM temperature control, quiet operation, 50,000-hour hydraulic bearing lifespan, and 9-blade design for enhanced airflow.

5. SPECIFICATIONS

Feature	Description
Model	RGB1050-WHITE
Output Wattage	1050W
Efficiency Certification	80 Plus Gold
Form Factor	ATX
Power Supply Design	Full Modular
PCIe Support	PCIe 5.0 (12VHPWR 16-pin connector)

Feature	Description
Cooling Method	Air (140mm Hydraulic Bearing Fan)
RGB Lighting	Addressable RGB with Motherboard Sync
Capacitors	100% Japanese Capacitors
Product Dimensions (L x W x H)	11.41 x 10.28 x 5.24 inches
Item Weight	6.87 pounds
Compatible Devices	PC Systems, Gaming Components
Current Rating	12 Amps

## 6. INSTALLATION GUIDE

Follow these steps for installing your GAMEMAX power supply:

### 6.1. Physical Installation

- 1. Prepare Your System:** Ensure your computer is powered off and unplugged from the wall outlet. Open your computer case.
- 2. Remove Old PSU (if applicable):** Disconnect all cables from your old power supply and remove its mounting screws. Carefully slide it out of the case.
- 3. Mount New PSU:** Slide the GAMEMAX RGB-1050 power supply into the designated PSU bay in your computer case. Ensure the fan is oriented correctly (typically facing downwards for bottom-mounted PSUs, or upwards if your case has no bottom vent). Secure it with the provided mounting screws.

### 6.2. Cable Connections

Utilize the fully modular design to connect only the necessary cables. Refer to Image 3.1 for cable identification.

- 1. Mainboard Power:** Connect the 24-pin ATX cable to the corresponding port on your motherboard and the power supply.
- 2. CPU Power:** Connect the ATX 12V (4+4-pin) CPU cable(s) to your motherboard's CPU power connector(s) and the power supply.
- 3. GPU Power:** For modern graphics cards, use the 12VHPWR (12+4-pin) PCIe 5.0 cable if your GPU supports it. Otherwise, use the appropriate PCIe (6+2-pin) GPU cables for your graphics card(s). Connect them to the GPU and the power supply.
- 4. Peripheral Power:** Connect SATA cables for SSDs/HDDs and PATA cables for older devices or case fans as needed.
- 5. ARGB Sync Cable:** If you wish to synchronize the power supply's RGB lighting with your motherboard, connect the ARGB Sync cable from the power supply to an available 5V Addressable RGB header on your motherboard.
- 6. Cable Management:** Route cables neatly behind the motherboard tray or in designated channels to improve airflow and aesthetics.
- 7. Final Check:** Double-check all connections to ensure they are secure. Close your computer case.
- 8. Connect AC Power:** Plug the AC power cord into the power supply and then into a wall outlet.

## 7. OPERATION (ARGB LIGHTING)



The GAMEMAX RGB-1050 features addressable RGB lighting for aesthetic customization.

### 7.1. Motherboard ARGB Sync

If you connected the ARGB Sync cable to your motherboard's 5V ARGB header, you can control the power supply's lighting effects directly through your motherboard's RGB software (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion 2.0, MSI Mystic Light Sync, ASRock Polychrome RGB).



Image 7.1: An illustration demonstrating the A-RGB Sync capability, showing the power supply's lighting synchronized with other components in a PC build via motherboard software from brands like ASUS, GIGABYTE, MSI, and ASRock.

### 7.2. Built-in Lighting Modes

If your motherboard does not have a 5V ARGB header or you prefer not to use software control, the power supply has built-in lighting modes. These can typically be cycled through using a dedicated button on the power supply itself or a connected case button (if applicable and wired correctly). Refer to your case manual for external RGB control options.

## 8. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your power supply.

- **Dust Cleaning:** Periodically clean dust from the power supply's fan and ventilation grilles using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Cable Inspection:** Occasionally check all modular cable connections to ensure they are secure and free from damage.
- **Environmental Conditions:** Operate the power supply within recommended temperature and humidity ranges. Avoid extreme conditions.

## 9. TROUBLESHOOTING

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

- **No Power:**
  - Ensure the AC power cord is securely plugged into both the power supply and the wall outlet.
  - Check the power switch on the back of the power supply; it should be in the 'ON' position.
  - Verify all modular cables are correctly and firmly connected to both the power supply and the components.
  - Test the wall outlet with another device to confirm it has power.
- **System Instability/Crashes:**
  - Ensure your system's power requirements do not exceed the 1050W capacity of the PSU.
  - Check for loose cable connections, especially to the motherboard and graphics card.
  - If overclocking, return to default settings to rule out power-related instability.
- **Fan Noise:**
  - A certain level of fan noise is normal under load. If the noise is excessive or unusual, check for dust accumulation and clean the fan.
  - Ensure no cables or obstructions are interfering with the fan blades.
- **RGB Lighting Not Working/Syncing:**
  - Verify the ARGB Sync cable is correctly connected to a 5V ARGB header on your motherboard.
  - Ensure your motherboard's RGB software is installed and updated.
  - Check if the lighting can be controlled via the power supply's built-in modes (if applicable).

If issues persist after following these steps, contact GAMEMAX customer support.

## 10. WARRANTY AND SUPPORT






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The GAMEMAX RGB-1050 1050W Power Supply comes with a **10-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims or technical support, please visit the official GAMEMAX website or contact their customer service department. You may be required to provide proof of purchase.



Related Documents - RGB1050-WHITE

	<p><a href="#">GAMEMAX RGB ATX Power Supply User Manual - Models RGB-750, RGB-850, RGB-1050</a></p> <p>User manual for GAMEMAX RGB ATX Power Supply series, detailing product introduction, features, specifications, protection mechanisms, environmental requirements, connector pin descriptions, cable configurations, and safety instructions. Covers models RGB-750, RGB-850, and RGB-1050 with 80 PLUS Gold certification.</p>
	<p><a href="#">GameMax RGB SMART Power Supply User Manual</a></p> <p>This user manual provides comprehensive information on the GameMax RGB SMART power supply, detailing its features, installation, and specifications. It highlights the product's 80 Plus Gold efficiency, customizable RGB lighting, fully modular design, and support for the latest PCIe 5.0/5.1 GPUs, making it an ideal choice for gamers and system builders.</p>
	<p><a href="#">GameMax RGB-850 SE 850W 80 Plus Gold Power Supply User Manual</a></p> <p>Detailed user manual for the GameMax RGB-850 SE 850W 80 Plus Gold fully modular power supply, covering product introduction, features, safety instructions, installation, specifications, and cable overview.</p>
	<p><a href="#">GameMax RGB SMART Power Supply User Manual - Installation, Features, and Specifications</a></p> <p>Comprehensive user manual for the GameMax RGB SMART Power Supply series, detailing features, installation guides, safety instructions, and technical specifications for models RGB-750, RGB-850, and RGB-1050.</p>
	<p><a href="#">GameMax GX RAMPAGE Series Power Supply User Manual</a></p> <p>User manual for the GameMax GX RAMPAGE Series power supply, detailing features, installation, specifications, safety, and cable configurations. Supports ATX 12V V3.0/3.1 and PCIe 5.0/5.1.</p>



### [GameMax RGB PRO 80 PLUS Power Supply User Manual](#)

Comprehensive user manual for the GameMax RGB PRO series 80 PLUS power supplies, covering safety, specifications, installation, connectors, and cable management for models like 1300P, 1050G, 850G, and 750G.