

Antec HCG-850M

Antec HCG-850M 850W Power Supply

INSTRUCTION MANUAL

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Antec HCG-850M 850W 80PLUS Bronze Power Supply. The HCG-850M features industry-leading 16-pin sockets for modular connectivity, a quiet 135mm LED double ball bearing fan, and an advanced Thermal Manager for optimal heat and noise management. Please read this manual thoroughly before using the product to ensure proper and safe operation.



An image showing the Antec HCG-850M 850W power supply unit. It is a black, rectangular device with a honeycomb-patterned fan grille on the top surface. The side panel displays the "Antec" logo in red and white, along with "850" indicating its wattage, and "HIGH CURRENT GAMER" text. Modular cable connectors are visible on the front-facing side of the unit.

Setup and Installation

Proper installation is crucial for the performance and longevity of your power supply.

- Preparation:** Ensure your computer system is powered off and unplugged from the wall outlet. Open your computer case to access the power supply mounting area.
- Mounting:** Carefully slide the Antec HCG-850M into the designated power supply bay in your computer case. Secure it using the appropriate screws provided with your case or power supply.
- Main Power Connection:** Connect the 24-pin ATX motherboard power cable from the power supply to the corresponding port on your motherboard.
- CPU Power Connection:** Connect the 4+4 pin or 8-pin EPS/ATX 12V CPU power cable to your motherboard's CPU

power connector.

5. **Modular Cable Connections:** The HCG-850M features 16-pin sockets for modular connectivity. Connect the necessary PCI Express (for graphics cards), SATA (for hard drives/SSDs), and Peripheral (Molex) cables to the power supply's modular ports and then to your components. Ensure all connections are firm and secure.
6. **Cable Management:** Route cables neatly to improve airflow and aesthetics within your case.
7. **Final Check:** Before closing the case and powering on, double-check all connections to ensure they are correctly seated.

Operating Instructions

Once installed, the Antec HCG-850M operates automatically to provide stable power to your system.

- **Power On:** After connecting all components and the AC power cord to the power supply, flip the power switch on the back of the power supply to the 'ON' position. You can then power on your computer using its front panel power button.
- **Fan Operation:** The 135mm LED double ball bearing fan is designed for quiet operation and long lifetime. The integrated Thermal Manager controls the fan speed based on the power supply's temperature, ensuring optimal cooling and minimal noise. The fan may not spin at low loads, which is normal behavior for thermal management.
- **Power Off:** Always shut down your computer through the operating system before turning off the power supply switch or unplugging the AC cord.

Maintenance

Regular, simple maintenance can help prolong the life and efficiency of your power supply.

- **Dust Removal:** Periodically, and with the system powered off and unplugged, use compressed air to gently clear dust from the power supply's fan grille and vents. Dust accumulation can impede airflow and reduce cooling efficiency.
- **Airflow:** Ensure that the power supply's intake and exhaust vents are not obstructed by cables or other components within the case. Good airflow is essential for effective cooling.
- **Environmental Conditions:** Operate the power supply in a clean, dry environment with adequate ventilation. Avoid extreme temperatures and humidity.

Troubleshooting

If you encounter issues with your Antec HCG-850M, consider the following common troubleshooting steps:

- **No Power:**
 - Ensure the AC power cord is securely plugged into both the power supply and the wall outlet.
 - Verify the power supply's ON/OFF switch is in the 'ON' position.
 - Check all internal power connections (24-pin, CPU, PCIe, SATA) to ensure they are firmly seated.
 - Test the wall outlet with another device to confirm it has power.
- **System Instability/Random Shutdowns:**
 - This could indicate insufficient power or a faulty component. Ensure your system's total power draw does not exceed the 850W capacity of the power supply.
 - Check for proper ventilation and dust buildup, as overheating can cause instability.
 - If possible, test the power supply with a different system or use a power supply tester.
- **Fan Not Spinning:**
 - The HCG-850M features a Thermal Manager that may keep the fan off at low loads for silent operation. The fan will

activate as the temperature rises. This is normal.

- If the system is under load and the fan is still not spinning, and the power supply feels hot, contact support.

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

Specifications

Feature	Detail
Model Name	HCG-850M
Brand	Antec
Output Wattage	850 Watts
80 PLUS Certification	Bronze
Form Factor	ATX
Cooling Method	Air (135mm LED DBB Fan)
Connector Type	PCI Express, 16-pin modular sockets
Compatible Devices	Personal Computer
Item Weight	7.4 Pounds (approx. 3.35 kg)
Package Dimensions	11.81 x 5.91 x 2.76 inches (approx. 30 x 15 x 7 cm)

Warranty Information

Specific warranty terms and conditions for the Antec HCG-850M Power Supply are provided by the manufacturer. Please refer to the warranty card included with your product packaging or visit the official Antec website for the most up-to-date and detailed warranty information.

[Visit Antec's Official Warranty Page](#)

Support

For technical support, product inquiries, or further assistance with your Antec HCG-850M Power Supply, please contact Antec customer support directly.

- **Online Support:** Visit the official Antec website for FAQs, drivers, and support resources.
- **Contact Information:** Refer to the Antec website for contact numbers or email support options specific to your region.

[Visit Antec's Official Support Page](#)

