

Corsair RM750e

Corsair RM750e Fully Modular Low-Noise ATX Power Supply

Model: RM750e (CP-9020248-NA)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Corsair RM750e Fully Modular Low-Noise ATX Power Supply. The RM750e is designed to deliver reliable and efficient power to your PC, featuring 80 PLUS Gold efficiency and fully modular cabling for simplified system builds.

TECHNOLOGY AND RELIABILITY

For consistent, reliable power and superb electrical performance, each RMe Series power supply features a robust resonant LLC topology with DC-DC conversion and 105° rated industrial-grade capacitors.

With precise timings, RMe supports Modern Standby, ensuring extremely fast wake-from-sleep times and better low-load efficiency.



Image: Corsair RM750e Power Supply highlighting its technology and reliability features.

2. SAFETY INFORMATION

Please read and follow all safety instructions before installing or operating your power supply. Failure to do so may result in damage to the product, personal injury, or electric shock.

- **Do not** open the power supply unit. High voltages are present inside, even when disconnected from power.
- **Do not** insert any objects into the fan grille or ventilation openings.
- **Do not** block the ventilation openings of the power supply. Ensure adequate airflow.

- **Do not** use the power supply in high humidity or extreme temperature environments.
- Ensure the power supply is correctly installed and secured in your PC case.
- Use only the modular cables provided with your Corsair RM750e power supply. Using incompatible cables can cause severe damage to your system.
- Before connecting or disconnecting any cables, ensure the system is powered off and the power cord is unplugged from the wall outlet.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Corsair RM750e Power Supply Unit
- AC Power Cord
- Modular Cable Set (including 24-pin ATX, EPS12V, PCIe, SATA, Peripheral cables)
- Mounting Screws
- Cable Ties or Velcro Straps
- User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install your Corsair RM750e power supply:

1. **Preparation:** Ensure your computer is completely powered off and unplugged from the wall outlet. Open your PC case to access the power supply mounting area.
2. **Remove Old PSU (if applicable):** Disconnect all cables from your old power supply and remove it from the case.
3. **Mount the New PSU:** Carefully place the Corsair RM750e into the power supply bay of your PC case. Ensure the fan is facing the correct direction for optimal airflow (typically facing down if your case has a bottom vent, or up if it's a top-mounted PSU with no bottom vent). Secure the PSU with the provided mounting screws.
4. **Connect Modular Cables:** The RM750e features fully modular cabling. Connect only the necessary cables to the power supply first, then route them to your components. Refer to the image below for port identification.

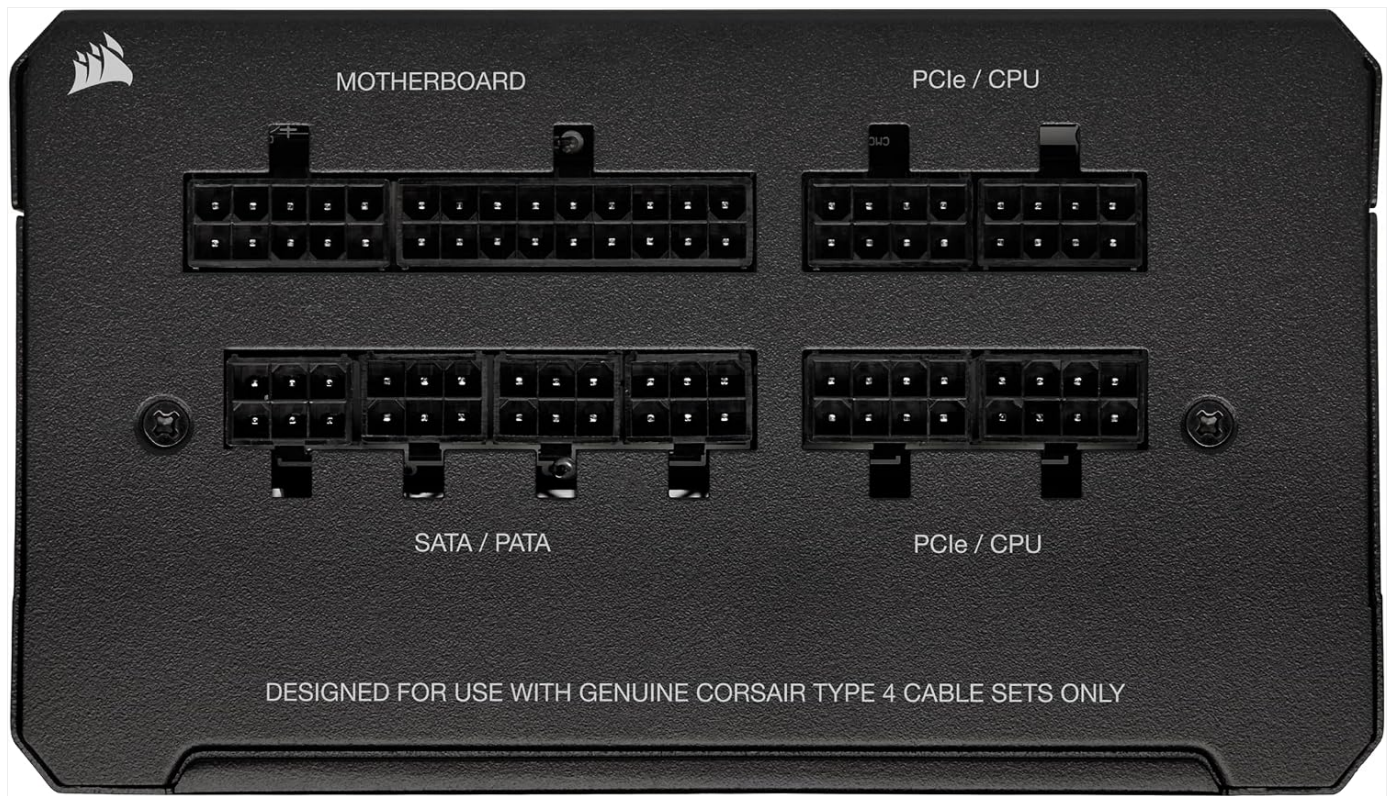


Image: Modular cable connection ports on the Corsair RM750e power supply.

- **24-pin ATX Cable:** Connect to the motherboard's main power connector.
 - **EPS12V (CPU) Cables:** Connect one or two 8-pin (or 4+4-pin) EPS12V cables to your motherboard's CPU power connectors.
 - **PCIe Cables:** Connect 6+2-pin PCIe cables to your graphics card(s).
 - **SATA Cables:** Connect SATA power cables to SSDs, HDDs, and optical drives.
 - **Peripheral (Molex) Cables:** Connect to other peripherals as needed.
5. **Cable Management:** Use the provided cable ties or Velcro straps to manage cables for better airflow and a cleaner build.
 6. **Connect AC Power:** Once all internal connections are made, connect the AC power cord to the power supply's inlet and then to a wall outlet. Ensure the power switch on the back of the PSU is in the 'O' (off) position before plugging it into the wall.
 7. **Power On:** Flip the power switch on the back of the PSU to the 'I' (on) position. You can now power on your computer.

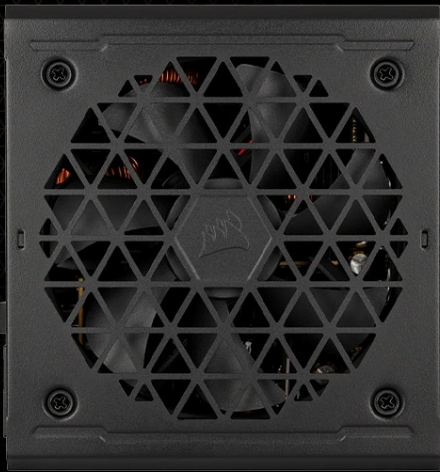


Image: Rear view of the Corsair RM750e, illustrating the AC power inlet and the main power switch.

5. OPERATING INSTRUCTIONS

The Corsair RM750e is designed for reliable, low-noise operation. Once installed, it requires minimal user interaction.

- **Zero RPM Fan Mode:** The power supply features a Zero RPM fan mode. The 120mm rifle bearing fan will not spin at low to moderate loads, ensuring near-silent operation. The fan will automatically activate when the load increases to maintain optimal temperatures.
- **Modern Standby Support:** The RM750e supports Modern Standby sleep mode, allowing for faster wake-from-sleep times and improved low-load efficiency.

A close-up photograph of the 120mm rifle bearing fan. The fan is black with a distinctive diamond-shaped grille. The fan blades are visible through the grille, and the central hub has the Corsair logo. The fan is mounted on a black frame with four screws.

TUNED FOR LOW NOISE OPERATION

A 120mm rifle bearing fan with a specially calculated fan curve keeps fan noise down, even when operating at full load.

With Zero RPM Fan Mode for near-silent operation at lower loads.

**LOW NOISE**

ZERO RPM
FAN MODE

Image: Corsair RM750e fan, illustrating its low-noise operation and Zero RPM fan mode.

6. 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 grille and ventilation openings using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Fan Inspection:** Occasionally inspect the fan for any obstructions or unusual noises. If the fan is not spinning when under load, or if it makes excessive noise, consult the troubleshooting section or contact support.

7. TROUBLESHOOTING

If you encounter issues with your Corsair RM750e, try the following troubleshooting steps:

Problem	Possible Solution
System does not power on.	◦ Ensure the AC power cord is securely connected to both the PSU and the wall outlet. ◦ Verify the power switch on the back of the PSU is in the 'I' (on) position. ◦ Check all modular cables (24-pin ATX, EPS12V) are firmly connected to the motherboard and PSU. ◦ Test the wall outlet with another device.
System powers on but is unstable or crashes.	◦ Ensure all power connectors to components (CPU, GPU, drives) are securely seated. ◦ Verify that your system's power requirements do not exceed the PSU's 750W capacity. ◦ Check for any loose connections or short circuits within the PC case.
PSU fan is not spinning.	◦ The RM750e features Zero RPM fan mode. The fan will not spin at low loads. This is normal operation. ◦ If the system is under significant load and the fan is still not spinning, ensure there are no obstructions. If the issue persists, contact Corsair support.
Unusual noises from the PSU.	◦ Ensure the PSU is securely mounted and not vibrating against the case. ◦ Check for any loose cables or debris inside the PSU fan area (with power off and unplugged). ◦ If the noise is persistent and concerning, contact Corsair support.

8. SPECIFICATIONS

Detailed technical specifications for the Corsair RM750e Power Supply:

Feature	Specification
Model Name	RM750e
Item Model Number	CP-9020248-NA
Output Wattage	750 Watts
Efficiency Rating	80 PLUS Gold
Form Factor	ATX
Modularity	Fully Modular

Feature	Specification
Fan Type	120mm Rifle Bearing Fan
Cooling Method	Air
Capacitors	105°C-Rated
Dimensions (LxWxH)	5.91 x 5.51 x 3.39 inches (150 x 140 x 86 mm)
Item Weight	3.31 pounds (1.5 kg)
Color	Black
Compatible Devices	Personal Computer
Connector Type	ATX, PCIe

9. WARRANTY AND SUPPORT

The Corsair RM750e Power Supply comes with a **seven-year warranty**, ensuring long-term reliability and peace of mind. For technical support, warranty claims, or additional product information, please visit the official Corsair website: www.corsair.com/support

You can also find the latest drivers, software, and FAQs on their support pages.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question