Corsair RM1200x Shift

Corsair RM1200x Shift Fully Modular ATX Power Supply User Manual

Brand: Corsair | Model: RM1200x Shift

1. Overview

The Corsair RM1200x Shift is a fully modular ATX power supply designed for high-performance PC builds. It features a unique side cable interface for improved cable management, ATX 3.1 and PCIe 5.1 compliance, Zero RPM fan mode for silent operation at low loads, and 105°C-rated Japanese capacitors for long-term reliability.



Figure 1: A front-side view of the Corsair RM1200x Shift power supply, showcasing its compact black design and the fan grille.

2. Setup

Proper installation of your Corsair RM1200x Shift power supply is crucial for system stability and performance.

2.1. Case Compatibility

Ensure your PC case supports the ATX PSU format and has sufficient clearance for the side-mounted cable connections. The PSU requires at least 210mm (8.3") width and must be accessible from the side when mounted.



Figure 2: An image illustrating the Corsair RM1200x Shift power supply installed in a PC case, highlighting the side-mounted cable connections and the space required for proper cable routing behind the motherboard tray.

2.2. Connecting Cables

The RM1200x Shift features fully modular Type 5 Gen 1 micro-fit PSU connectors. Connect only the cables required for your system components.

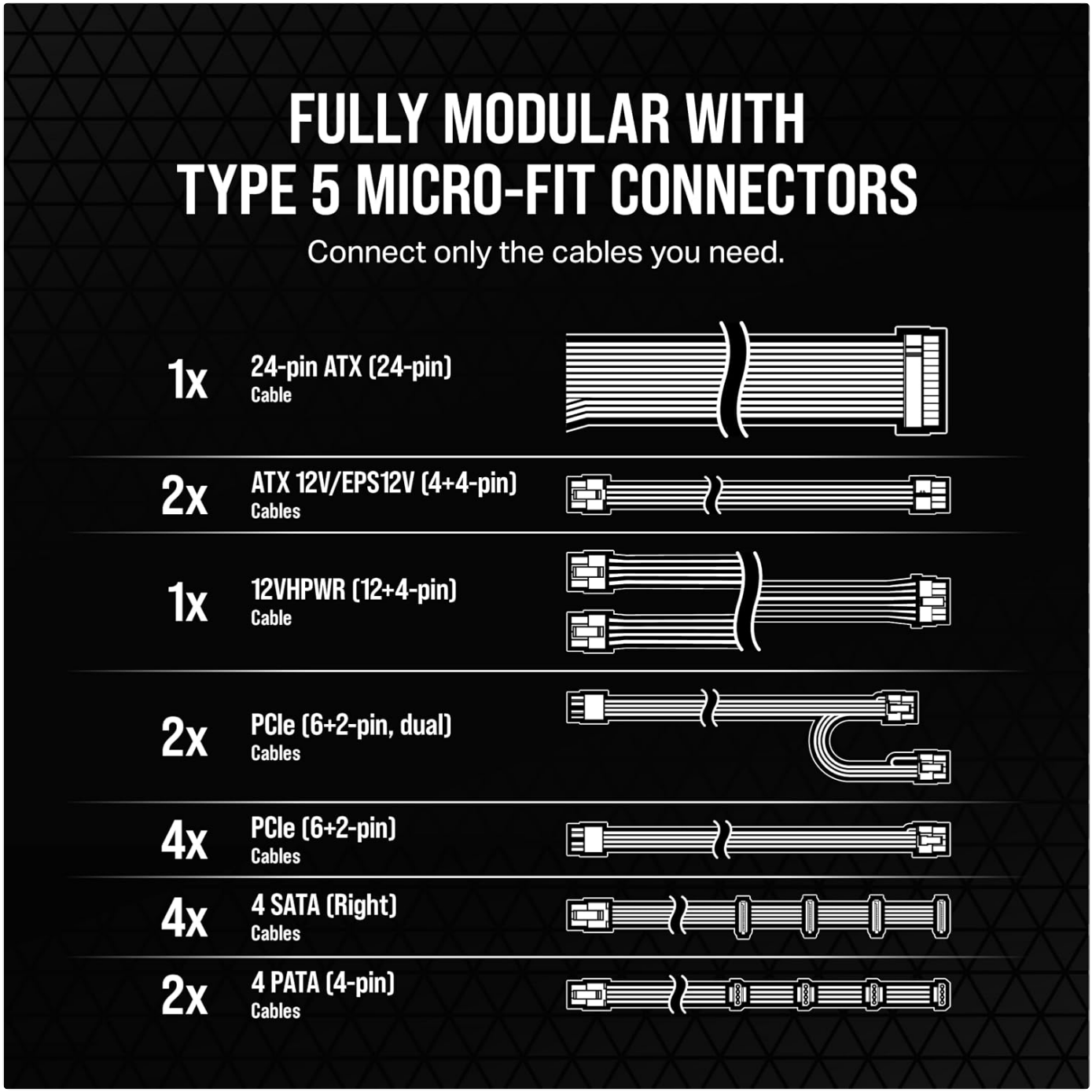


Figure 3: A visual guide to the fully modular Type 5 micro-fit connectors provided with the power supply, including 24-pin ATX, ATX 12V/EPS12V, 12VHPWR, PCIe (6+2-pin), SATA, and PATA cables.



Figure 4: A detailed view of the side panel of the power supply with various modular cables connected, demonstrating the innovative design for easier access and cleaner cable management within a PC case.

Video 1: An official video from Corsair showcasing the key features and benefits of the RMx Shift series power supplies, including the side cable interface and modularity.

3. Operating Instructions

3.1. Powering On

After all connections are securely made, ensure the power switch on the rear of the PSU is in the "ON" position. Connect the AC power cord to the PSU and a wall outlet. Power on your computer system.

3.2. Zero RPM Fan Mode

The Zero RPM Fan Mode ensures virtually silent operation at low and medium loads. The 140mm fluid dynamic bearing fan will only activate when the power supply reaches a certain temperature or load threshold, optimizing noise levels.



Figure 5: A detailed image of the power supply's 140mm fan, highlighting its low-noise fluid dynamic bearing design and the Zero RPM Mode feature for silent operation under light loads.

4. Maintenance

The Corsair RM1200x Shift power supply is designed for long-term reliability. Follow these guidelines for optimal care:

- Keep the power supply unit free from dust accumulation. Regularly clean the exterior vents with compressed air to maintain optimal airflow.
- **Do not open the power supply unit.** Opening the unit will void the warranty and can expose you to dangerous high voltages.
- Ensure all cable connections are secure and free from obstruction to prevent overheating and ensure stable power delivery.

5. Troubleshooting

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

5.1. No Power

- Check that the AC power cord is securely connected to both the wall outlet and the PSU.
- Verify that the PSU's power switch on the rear is in the "ON" position.
- Ensure all modular cables are correctly and firmly seated into the PSU and your components (motherboard, GPU, drives).
- Test the wall outlet with another device to confirm it is supplying power.

5.2. System Instability or Random Shutdowns

- Confirm that your system's power requirements do not exceed the PSU's 1200W capacity.
- Check for loose cable connections, especially the main 24-pin ATX, CPU, and PCIe power cables.
- Ensure adequate airflow within your PC case to prevent overheating of components, including the PSU.
- If issues persist, consult the Corsair support website or contact technical support.

6. Specifications

The Corsair RM1200x Shift power supply offers robust performance and features.

Feature	Detail
Model Name	RM1200x SHIFT
Wattage	1200W
Efficiency Rating	80 PLUS Gold
ATX Standard	ATX 3.1 (also compliant with ATX 3.0)
PCIe Standard	PCIe 5.1 (also compliant with PCIe 5.0)
Capacitors	100% 105°C-Rated Japanese Electrolytic
Fan Size	140mm
Fan Bearing	Fluid Dynamic Bearing
Fan Mode	Zero RPM Fan Mode
Form Factor	ATX
Dimensions (LxWxH)	7.09 x 5.91 x 5.08 inches
Item Weight	4.4 pounds
Model Number	CP-9020254-NA



Figure 6: This image visually confirms the 80 PLUS Gold efficiency rating and the use of high-quality 105°C-rated Japanese electrolytic capacitors, contributing to the power supply's performance and durability.

7. Warranty and Support

7.1. Warranty Information

The Corsair RM1200x Shift power supply comes with a **ten-year warranty**, ensuring long-term peace of mind regarding its reliability and performance.

7.2. Customer Support

For further assistance, technical support, or warranty claims, please visit the official Corsair support website or contact their customer service. You can find more information and resources on the Corsair Store.

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

Answered questions about this manual

Why is the fan on my Corsair RM1200x Shift power supply making screeching and cracking noises before stopping and restarting?

Based on your description of the Corsair RM1200x Shift, there are two distinct behaviors occurring: one that is normal and one that indicates a hardware fault.Zero RPM Fan Mode (Normal): This power supply features...

Read full answer

Why does the fan on my Corsair RM1200x Shift power supply start rattling and then stop after a few seconds when reaching high power loads?

Based on the symptoms described for your Corsair RM1200x Shift, there are a few potential causes and steps you can take at home:Mechanical Obstruction: A "rattling" sound often indicates the fan blades are hitting...

Read full answer