



MANUAL | QUICK START GUIDE

CORSAIR RMx SERIES

FULLY MODULAR ATX POWER SUPPLIES

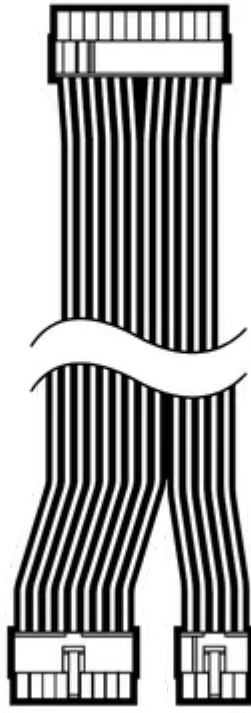


Congratulations on the purchase of your CORSAIR RMx Series ATX power supply!

CORSAIR RMx Series fully modular power supplies deliver reliable Cybenetics Gold efficient power to your system.



INCLUDED CABLES



1x ATX 24-pin Cable
610mm (± 10mm)



2x EPS/ATX12V 8-pin (4+4) Cable
750mm (± 10mm)



1x PCIe 12V-2x6-pin (12+4) Cable
650mm (± 10mm)

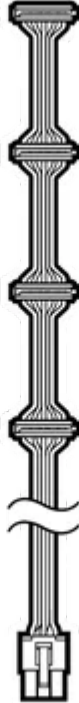




2x PCIe 8-pin (6+2) Cable (RM750x)
3x PCIe 8-pin (6+2) Cable (RM850x)
4x PCIe 8-pin (6+2) Cable (RM1000x)
650mm (± 10mm)



1x 12V-2x6 to Dual 8-pin (6+2) Cable
(RM750x only)
650mm (± 10mm)



2x SATA (4 Connectors) Cable
(3x with RM1000x)
850mm (± 10mm)





1x PATA (3 Connectors) Cable
(2x with RM1000x)
750mm (± 10mm)



INSTALLING YOUR RMx SERIES POWER SUPPLY

STEP 1: REMOVING YOUR EXISTING POWER SUPPLY

WARNING: To ensure proper function, only use the DC cables included with your PSU, unless your old cables are genuine CORSAIR cables of the same type. Please confirm your existing cables' type before using them!

If you are building a new system, skip to Step 2.

1. Disconnect the AC power cord from your wall outlet or UPS and from the existing power supply.
2. Disconnect all the power cables from your video card, motherboard, and all other peripherals.
3. Follow the directions in your chassis manual and uninstall your existing PSU.
4. Proceed to Step 2.



STEP 2: INSTALLING THE NEW POWER SUPPLY

1. Make sure the power supply's AC power cable is not connected.

- 2. Follow the directions in your chassis manual and install the power supply with the screws provided.**
- 3. Connect the 24-pin (ATX12V) cable to the motherboard. Connect the 8-pin +12V (EPS12V) cable to the motherboard.**
 - a. If your motherboard has an eight-pin +12V socket, connect the eight-pin cable directly to your motherboard.**
 - b. If your motherboard has a four-pin socket, detach the four-pin from the eight-pin cable, and then plug this four-pin cable directly to your motherboard.**
 - c. Some motherboards will require a mix of 8+4 pins. Use as many EPS12V cables as necessary and do not mistake them for PCIe cables.**
- 4. Connect the peripheral cables, PCI-Express cables, and SATA cables.**
 - a. Connect the SATA cables to your SATA SSD or hard drive's power sockets.**
 - b. Connect the PCI-Express cables to the power sockets of your PCI-Express video cards if required.**
 - c. Connect the 16-pin 12V-2x6 connector to the power socket of your GPU if required.**
 - d. Connect the peripheral cables to any peripherals requiring a 4-pin connector.**
 - e. Make sure all the cables are tightly connected. Be sure to save any unused modular cables for future component additions.**
- 5. Connect the AC power cord to the power supply and turn it on by pushing the switch to the ON position.**



RMx SERIES FANS SPECIAL FEATURES


FAN SPEED KNOB

Use this knob to override the Zero RPM fan mode and adjust the minimum starting fan speed.

NOTE: If PSU temperatures require greater airflow, the PSU's fan controller will override the knob's setting as needed.



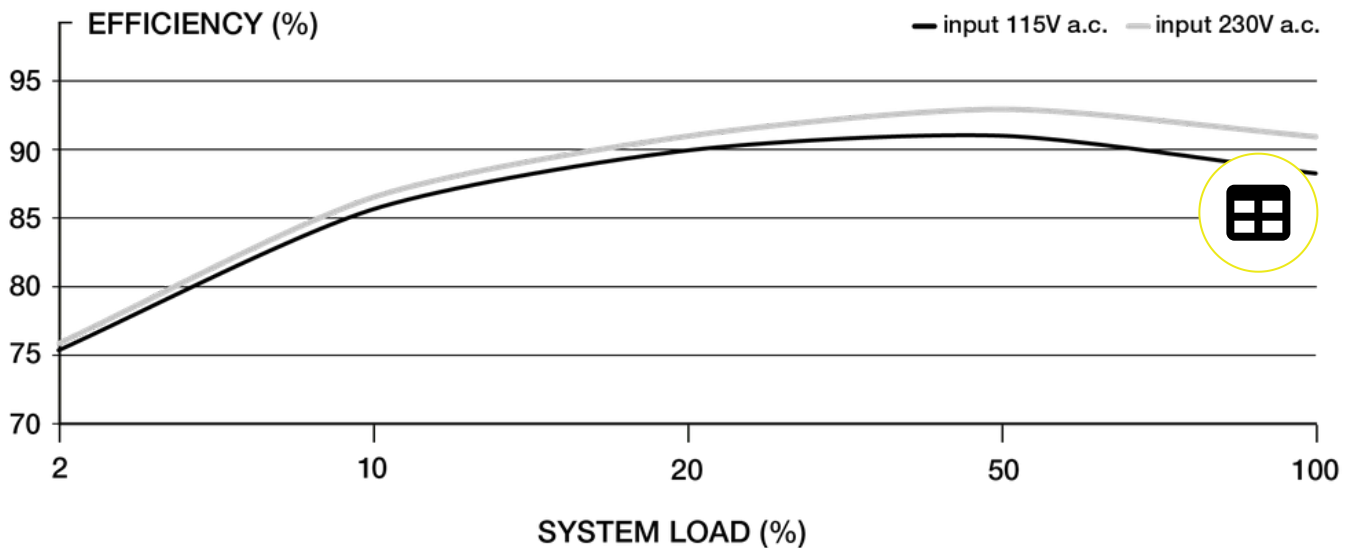
RM750x SPECIFICATIONS

		
Length		160mm
Width		150mm

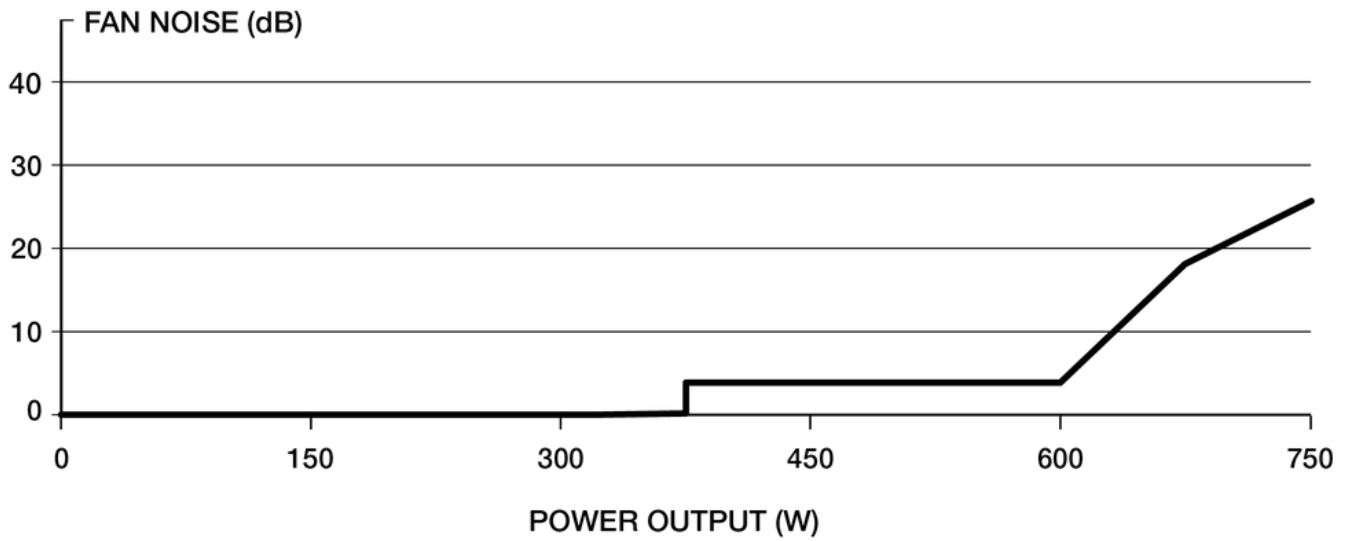
Height	86mm
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CORSAIR RM750x POWER TABLE			MAX LOAD	MAX OUTPUT
MODEL	RPS0199	+3.3V	20A	150W
PART NO.	75-005878	+5V	20A	
AC INPUT RATING	100V - 240V a.c.	+12V	62.5A	750W
INPUT CURRENT	10A - 5A	+5Vsb	3A	15W
FREQUENCY	47Hz - 63Hz			
TOTAL POWER: 750W				

RM750x EFFICIENCY




RM750x FAN NOISE CURVE



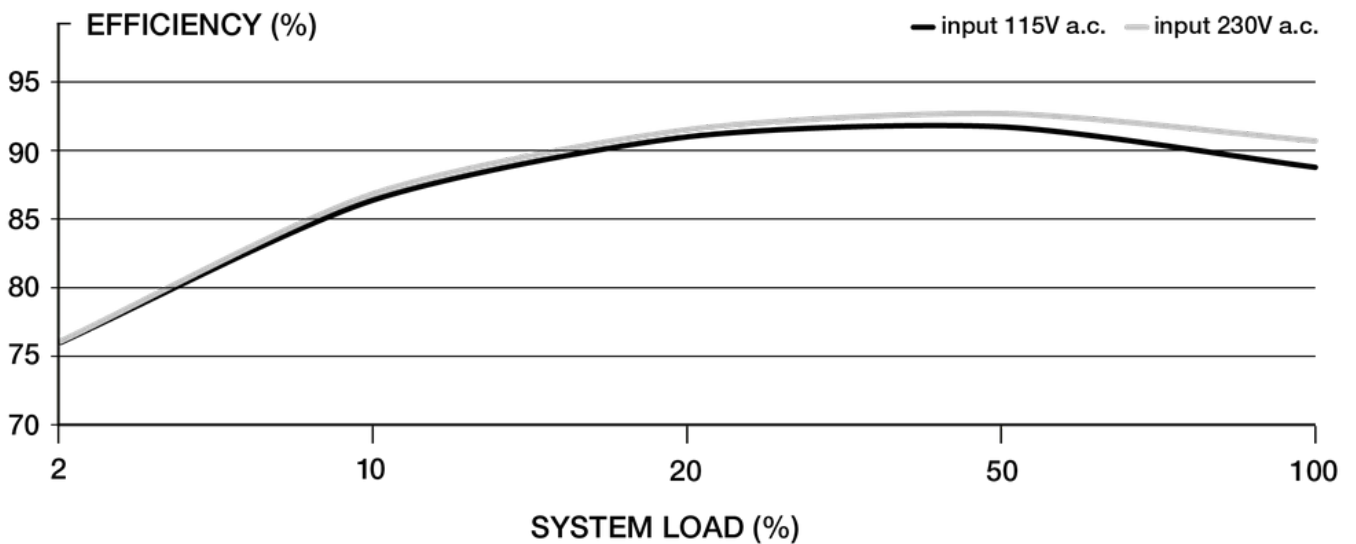
RM850x SPECIFICATIONS

Length	160mm
Width	150mm
Height	86mm

CORSAIR RM850x POWER TABLE			MAX LOAD	 OUTPUT
MODEL	RPS0197	+3.3V	20A	
PART NO.	75-005876	+5V	20A	

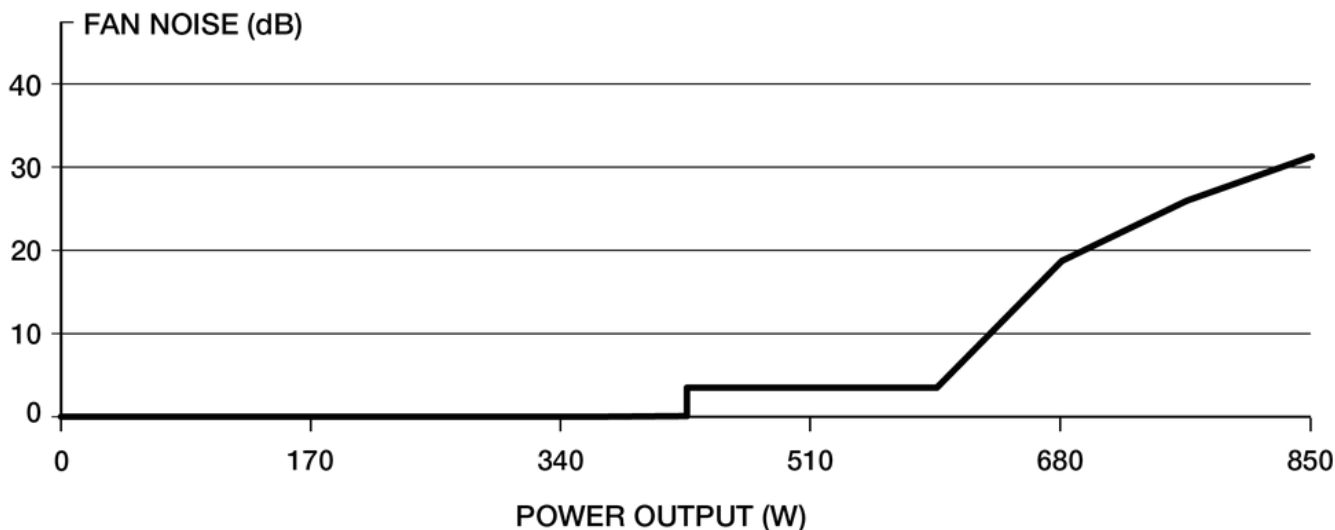
AC INPUT RATING	100V - 240V a.c.	+12V	70.8A	849.6W
INPUT CURRENT	10A - 5A	+5Vsb	3A	15W
FREQUENCY	47Hz - 63Hz			
TOTAL POWER: 850W				

RM850x EFFICIENCY



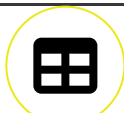
RM850x FAN NOISE CURVE





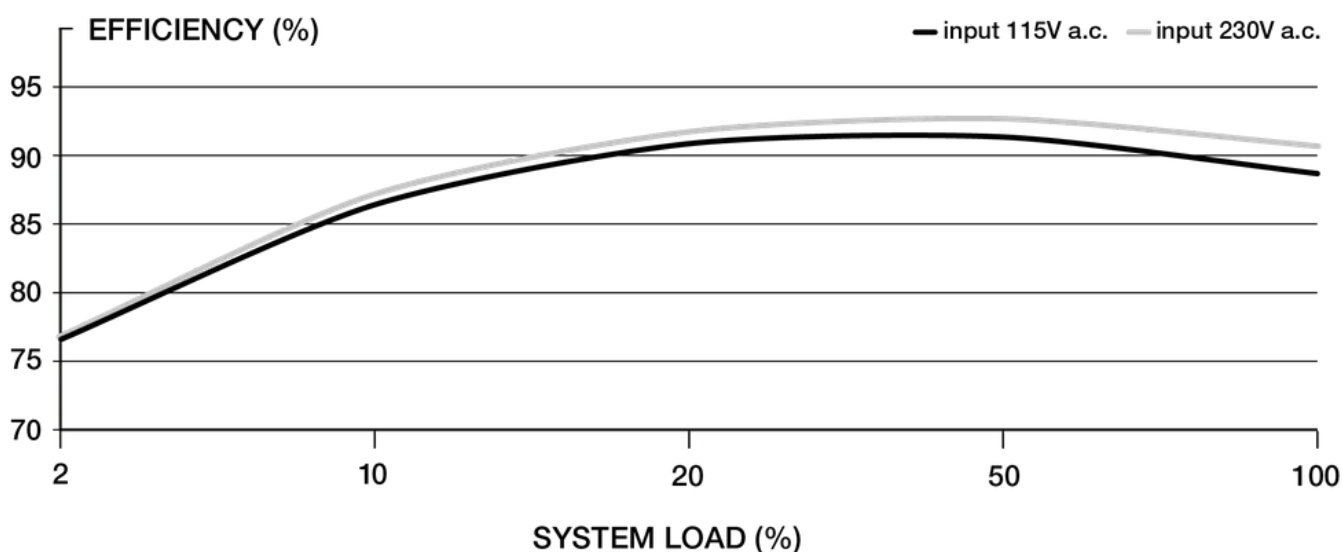
RM1000x SPECIFICATIONS

Length	160mm
Width	150mm
Height	86mm

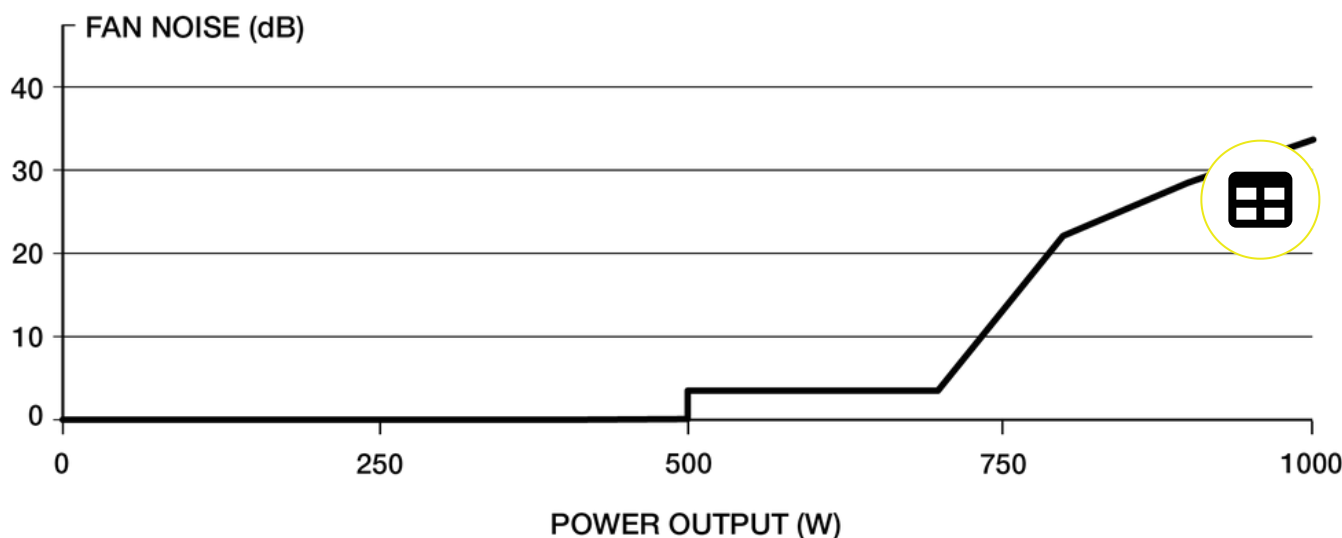
CORSAIR RM1000x POWER TABLE			MAX LOAD	MAX OUTPUT
MODEL	RPS0198	+3.3V	20A	 150W
PART NO.	75-005877	+5V	20A	
AC INPUT RATING	100V - 240V a.c.	+12V	83.3A	1000W

INPUT CURRENT	12A - 6A	+5Vsb	3A	15W
FREQUENCY	47Hz - 63Hz			
TOTAL POWER: 1000W				

RM1000x EFFICIENCY



RM1000x FAN NOISE CURVE



SAFETY AND PROTECTION

OVER-VOLTAGE PROTECTION (OVP)

Over-voltage protection for the 12V, 5V, and 3.3V DC outputs is required to comply with the ATX specification. OVP shuts down the PSU in the event that the DC outputs exceed a set level.

UNDER-VOLTAGE PROTECTION (UVP)

Under-voltage protection for the 12V, 5V and 3.3V DC outputs is required to comply with the ATX specification. UVP shuts down the PSU in the event that the DC outputs drop below a set level.

OVER-CURRENT PROTECTION (OCP)

OCP is featured on the 3.3V, 5V, and 12V rails. OCP ensures that the output of the DC voltage rails remains within safe operating limits.

OVER-TEMPERATURE PROTECTION (OTP)

OTP ensures that the PSU will shut down when the internal temperature reaches a set point. This is usually as a result of internal current overloading or a fan failure.

SHORT-CIRCUIT PROTECTION (SCP)



A short-circuit is defined as any output impedance of less than 0.1 ohms. Amongst other things, SCP ensures that the PSU shuts down should the 3.3V, 5V, and 12V rails short to any other rail, or to ground. It also ensures that no damage should occur to the unit, or your PC's components in the event of a short.

OVER-POWER PROTECTION (OPP)

Over-power protection shuts off the PSU when the power drawn is between 115% and 135% of the rated power.

WARRANTY



CORSAIR RMx Series PSUs have a 10-year warranty.

LEGAL

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