



ROSEWILL

IN YOUR OWN WAY

Gaming Power Supply

RD

Series

Quick User Guide





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Thank you for purchasing a **Rosewill** Power Supply
Please read the instruction manual before using and
retain it for your future reference.

Introduction

Rosewill is the platform of choice for avid PC gamers and the Rosewill RD Power Supply series is built to the highest quality standard and delivers the ultimate performance for enthusiasts.

Product Features

- 80 PLUS Certified
- Active Power Factor Correction
- Safety and EMI Approval UL, FCC
- 120 mm Silent Fan
- Sleeved Cables
- Protection: SCP, OVP, UVP, OPP

Package Contents

RD Series
<ul style="list-style-type: none">• RD Series Power Supply Unit x1• AC Power Cord x1• User Manual x 1

Electronic Specifications

Model No. : RD400S

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5V _{SB}
	Voltage	Current						
RD400S	100V 240V	6.3A 3.15A	Max Output Current	14A	14A	30A	0.3A	2.5A
			Max Combined Wattage	100W		360W	3.6W	12.5W
			Total Output	400W				

Model No. : RD450S








Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5V _{SB}
	Voltage	Current						
RD450S	100V 240V	8A 4A	Max Output Current	14A	16A	34A	0.3A	2.5A
			Max Combined Wattage	110W		408W	3.6W	12.5W
			Total Output	450W				

Model No. : RD500S

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5V _{SB}
	Voltage	Current						
RD500S	100V 240V	8A 4A	Max Output Current	14A	16A	38A	0.3A	2.5A
			Max Combined Wattage	110W		456W	3.6W	12.5W
			Total Output	500W				

Connectors

RD Series

Cable							
	20+4 PIN Main Board Connector	4 PIN CPU Connector	8 PIN CPU Connector	6+2 PIN PCI-E Connector	S-ATA Connector	4 PIN Molex Connector	4 PIN Floppy Connector
RD400S	1	1	1	1	4	2	1
RD450S	1	1	1	1	4	2	1
RD500S	1	1	1	2	4	2	1

Installation

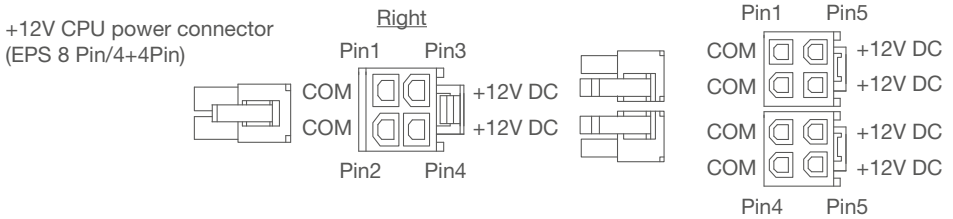
If replacing an existing PSU in a system, you will first need to remove the old PSU. Please proceed as follows:

1. Disconnect the AC power cord from your existing power supply unit.
2. Disconnect the power supply from all the components in the PC, make sure that all the connectors are unplugged.
3. Remove the four screws from the rear of the case that hold the old power supply to the chassis, and then remove the old power supply unit from case.

Installing the Power Supply:

1. Make sure the I/O switch of the PSU is at off "O" position.
2. Install the Power supply unit in the appropriated space in the PC case and secure it by screwing the four screws into the rear of the power supply.
3. Connect the 20+4 pin main power cable to the motherboard 20+4 pin socket.
The detachable 4 pin section of the connector can be separated to support a 20 pin connection or section together to support a 24 pin socket.

- Connect the 4+4 PIN (8 PIN) power cable to the mainboard. If your mainboard supports only 4 PIN jack, connect only the right side of the connector to the mainboard.



- If you are using a graphics card with a 6 PIN/8 PIN connector please connect the respective connector to the socket on the board.
If your graphics card supports more than one socket, please connect the respective connector to the socket on board.
- Connect the SATA or Peripheral 4 PIN Molex connectors to the hard disk or SSDs or optical drive.
- Connect any others internal components that require power to the appropriate connector.
- Make sure all the cables are securely seated.
- Connect the AC power cord into the back of the power supply and Switch on I/O switch at input "I" position.
- Your PSU is now connected and ready.

Safety & Warning

- Due to the high voltage inside the power supply, do not attempt to remove the cover of power supply. The warranty will be void if the cover is removed.
- Do not insert any objects into the open ventilation or fan grill area of the power supply.
- Do not store the power supply in high humidity and high temperature environment,
- Do not plug or unplug the power cord with wet hand.

Troubleshooting

If you installed the new power supply and the system is not working properly, please check the following:

- Make sure the AC power cord is plugged correctly into PSU inlet socket and power switch is at input "I" position.
- Make sure the wall socket, extension power cord, power strip or surge protector in use, fully functional and wall power switch turned on.
- Make sure that all the connectors from power supply are correctly plugged into the mainboard.
- Make sure there are no short circuits within the systems that could result from defective hardware or misplaced connectors.
- If your are not sure, take all parts out of the housing and only leave the mainboard inside together with the power supply. Disconnect all plugs, check them and then connect them again to the respective sockets.



Rosewill[®] **Technical Support Information**
techsupport@rosewill.com 1-800-575-9885

*Thank you for purchasing a quality Rosewill product.
Please register your product at : www.rosewill.com
for complete warranty information and support for your product.*

