R-UPR508/758/1008

USER MANUAL

IMPORTANT SAFETY

(SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

CAUTION! To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.

CAUTION! Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.

CAUTION! Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.

CAUTION! In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.

CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

CAUTION! Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

CAUTION! The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.

CAUTION! Internal battery voltage is 12Vdc. Sealed, lead-acid, 6-cell battery.

CAUTION! When replacing the batteries, use the same number and type of batteries.

CAUTION! Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.

INSTALLING YOUR UPS

UNPACKING

The box should contain the following:
(1) UPS Unit x1; (2) User Manual x 1;

OVERVIEW

The UPS provides automatic voltage regulation for inconsistent utility power, and provides battery backup during power outages, and ensures consistent power to your computer system.

www.cdpenergy.com

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.
With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive), etc. into the battery power supplied outlets. DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large

1. Electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.
2. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc. Avoid using extension cords.
3. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
4. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker / fuse is normal and then turns the UPS on.
5. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
6. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

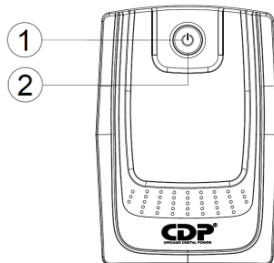## BASIC OPERATION

Front panel

1. Power Switch
Press the switch for 2 seconds to turn the UPS ON or OFF.
Sound disable: The audible alarm can be turned OFF or ON by quickly pressing the power switch twice. The default setting is for the Alarm On.

2. Led Indicators
This LED is illuminated when the UPS is working.

Rear panel

1. Input Circuit Breaker
The circuit breaker provides optimal overload protection.

2. Site Fault LED Indication
The red LED is lighting when input power polarity incorrect. Ground fault, reversed polarity. (These two faults void the warranty)

3. Battery Backup & Surge Protected Outlets
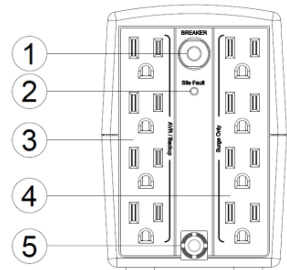Provide battery backup and surge protection. They ensure power is provided to connected equipment Over a period of time during a power failure.

4. Surge Only Protected Outlets
Provide surge protection for bypass output.

5. Input power cord
Connect to utility power.

LED INDICATION

	LED Status	Alarm
Normal	LED lighting	Off
Battery Discharge	LED lighting	Beep once every 30 seconds
Battery Low	LED lighting	Beep once every 2 seconds
Overload	LED lighting	Beep once every 0.5 seconds
Off charging mode	LED off	Off
Fault	LED off	Continuous alarm

TECHNICAL

Model	R-UPR 508	R-UPR 758	R-UPR 1008
Capacity (VA/W)	500/250	750/375	1000/500
Input			
Voltage Range	80~150Vac		
Nominal Frequency	50/60Hz		
Output			
On Battery Output Voltage	Simulated Sine Wave 120Vac +/-10%		
On Battery Output Frequency	50/60 Hz+/-1Hz		
Overload Protection	Breaker		
Physical			
Dimensions (W x H x D)(mm)	96 x 138 x 286		
Battery			
Sealed Maintenance Free Lead Acid Battery	12V/4.5AH x1	12V/7AH x1	12V/9AH x1
Typical Recharge Time	8 Hours		
Warning Diagnostics			
Indicators	Power On/ Using Battery		
Audible Alarms	On Battery, Low Battery, Overload, Fault		
Site Fault LED	Input L/N reversed, Ground lost		
Environmental			
Operating Temperature	0°C to 40°C		
Operating Relative Humidity	0 to 90%		
Management			
Auto-Charger	Yes		
Auto-Restart	Yes		

TROUBLE

Problem	Possible Cause	Solution
The UPS does not perform expected runtime	Batteries are not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact Technical Support.
The UPS will not turn on.	The on/off switch is designed to prevent damage by rapidly turning it off and on.	Turn the UPS off. Wait 10 seconds and then turn the UPS on.
	The unit is not connected to an AC outlet.	The unit must be connected to a 120Vac 50/60Hz outlet.
	The battery is worn out.	Contact Technical Support.
	Mechanical problem.	Contact Technical Support.
Outlets do not provide power to equipment	Circuit breaker is tripped due to overload	Turn the UPS off and unplug at least one piece connected equipment. Unplug the power cord of the UPS then press the circuit breaker knob.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike.	Contact Technical Support.

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