This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. This manual is 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. (For specific qualifications see acceptable temperature and humidity range)

**CAUTION!** To reduce the risk of electric shock, do not remove the cover except to service the battery. Turn off and unplug the unit before servicing the batteries. There are no user-serviceable parts inside except for the AC input power connection.

**CAUTION!** Automatic fuse or circuit breaker can be energized by the battery even when the AC input power is disconnected.

**CAUTION!** The UPS must be connected to an AC power outlet with fuse or circuit breaker protection. Do not plug into an outlet that is not grounded.

**CAUTION!** To avoid electric shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.

**CAUTION!** Do not use in a computer room as defined in the Standard for the Protection of Electronic Computer/Data Processing Equipment, ANSI/NFPA 75.

**CAUTION!** To reduce the risk of fire, connect only to a circuit provided with 20 amperes maximum branch circuit current protection in accordance with the National Electric Code, ANSI/NFPA 70.

**DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT:** CyberPower Systems does not sell products for the support of life or medical applications. Do not use in any circumstance that would affect the operation and safety of life support equipment, medical applications, or patient care.

**DO NOT USE WITH OR NEAR AQUARIUMS:** To reduce the risk of fire or electric shock, do not use with or near an aquarium. Condensation from the aquarium can cause the unit to short out.

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**INSTALLING YOUR UPS SYSTEM**

**INTRODUCTION**

Thank you for selecting a CyberPower Systems UPS product. This UPS is designed to provide unsurpassed power protection, operation and performance throughout the lifetime of the product.

**UNPACKING**

Inspect the UPS upon receipt. The box should contain the following:

- (a) UPS unit (b) User's manual (c) Emergency Power Off cable (grey) (d) PowerFlex™ Business Edition software CD (e) Serial (f) USB A-type cable (g) Warranty registration card (h) Function Setup Guide

**OVERVIEW**

The PR750LCD UPS provides complete power protection from utility power that isn't always constant. The PR750LCD features 1000 Joules of surge protection against power surges and maintain free batteries for long lasting battery backup during power outages. In addition to ensuring consistent power to your computer system and the PR750LCD also includes software that will automatically save your open files and shutdown your computer system during a utility power loss.

**AUTOMATIC VOLTAGE REGULATOR**

The PR750LCD stabilizes unstable utility power voltage to nominal levels that are safe for equipment. Inconsistent utility power may be damaging to important data files and hardware, but with Automatic Voltage Regulation (AVR), damaging voltage levels are corrected to safe levels. AVR stabilizes inconsistent utility power voltage to nominal levels that are safe for equipment. The power demands of these devices may overload and damage the unit.

**HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT**

1. Review the equipment ratings in the table below and ensure the UPS unit selected (PR750LCD) meets the requirements. (Please see specifications for acceptable temperature and humidity range).

**BATTERY REPLACEMENT PROCEDURE:**

1. Turn off and unplug all connected equipment.
2. Turn the UPS off and unplug it from the AC power source.
3. Remove the front panel of the UPS.
4. Pull out both mains leads and remove the battery compartment cover completely off the unit.
5. Remove the batteries from the compartment.
6. Open the battery wires from the batteries.
7. Install the replacement batteries by connecting the wire bundle (configured of one red wire and one black wire) to the connector from the battery pack.
8. Put the batteries back into the compartment.
9. Re-install the battery compartment cover and push both round knobs back into the position.
10. Put the front panel back on the UPS.
11. Connect to AC power and charge the new batteries for up to 16 hours to insure a full charge.

**REMINDER:** Batteries are considered HAZARDOUS WASTE and must be disposed of properly. Most retailers that sell lead-acid batteries collect used for recycling, as required by local regulations.

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**DEFINITIONS FOR ILLUMINATED LCD INDICATORS**

**REPLACING THE BATTERY**

1. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
2. To store the UPS for an extended period, cover it and store with the battery fully charged. While in storage, recharge the battery every three months to ensure battery life.
3. Insure the wall outlet and UPS are near the equipment being attached for proper accessibility.
4. The LCD module is weather-resistant for extended distance control. Follow the steps below for installation procedure.
   a. Remove the LCD module from the front panel.
   b. Hang the LCD module on the wall.
   c. Replacing the LCD on the UPS: To place the LCD back on the UPS, roll up the LCD cable, return it to the space between the front panel & battery cover, and replace the LCD.

**BASIC OPERATION**

**DESCRIPTION**

Front Panel

1. Power Switch / Power On Indicator
   - Used as the master on/off switch for equipment connected to the battery power supplied outlets.

2. LCD Display
   - This LED is illuminated when the utility power is normal and the UPS outlets are providing power, free of sprints and surges.

3. On Battery Indicator
   - During a severe brownout or blackout, this LED is illuminated and an alarm sounds (two short beeps followed by a pause) to indicate the UPS is operating from its internal batteries.

This LED is illuminated if there is a problem with the UPS.

5. Replace Battery Indicator
   - This LED is illuminated to remind users to replace the battery.

6. Status/Test Button
   - For UPS status information, press the button for 1 second. For additional information including the use of the button as a Tab, please refer to the Function Setup Guide.

7. Setup/Enter Button
   - Press the Setup button for 1 second to enter setup menu and then select the functions for configuration. For more information about the Setup/Enter button, please refer to the Function Setup Guide.

8. Control/Up Button
   - Press the Control button for 1 second to enter control menu and then select the functions for configuration. This button is also used to scroll up. For more information about the Control/Up button, please refer to the Function Setup Guide.

9. Test/Down Button
   - Press the Test switch for 1 second to enter test menu and then select the functions for configuration. This button is also used to scroll down. For more information about the Test/Down button, please refer to the Function Setup Guide.

10. Logs/Down Button
    - Press the Logs button for 1 second to view the events or logs that have been recorded. This button is also used to enter a menu. For more information about Logs/Down button, please refer to the Function Setup Guide.

**REPLACING THE BATTERY**

1. When replacing batteries, replace with the same number of the following battery. CyberPower / BR720B for the PR750LCD.
2. Do not use in any circumstance that would affect the operation and safety of life support equipment, medical applications, or patient care.
3. Do not disassemble or modify the battery. The battery may explode. CAUTION! Do not open or mutilate batteries. Released material is harmful to the skin and eyes. Fingertips are to be used in any circumstance that would affect the operation and safety of life support equipment, medical applications, or patient care.
4. CAUTION! EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATIONS.

**BATTERY REPLACEMENT PROCEDURE:**

1. Turn off and unplug all connected equipment.
2. Disconnect the battery wires from the batteries.
3. Open the battery wires from the batteries.
4. Install the replacement batteries by connecting the wire bundle (configured of one red wire and one black wire) to the connector from the battery pack.
5. Put the batteries back into the compartment.
6. Re-install the battery compartment cover and push both round knobs back into the position.
7. Put the front panel back on the UPS.
8. Connect to AC power and charge the new batteries for up to 16 hours to insure a full charge.
9. Return the UPS to the service provider or dispose of the used battery pack.

**Battery Change Date**

- Battery Information
- Input
- Output
- Last Self Test
- Date & Time

**Setup/Enter Button**

- Setup Wizard
- Utility Power
- Min Input Voltage
- Max Input Voltage
- LCD Auto Sleep
- Audible Alarm
- Temporarily Mute
- Sensitivity
- Low Battery Warning
- Auto Sell Test
- Data & Time

**UPS On/Off**

- Self Test
- Alarm Test

**Battery Calibration**

- Transfer Event X1-X10

**Recharge Battery**
**TROUBLESHOOTING**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit breaker is tripped by the back of the unit.</td>
<td>Battery not fully charged.</td>
<td>Replace the battery by leaving the UPS plugged in.</td>
</tr>
<tr>
<td>The UPS does not perform expected output.</td>
<td>Battery is worn out.</td>
<td>Contact CyberPower Systems about replacement batteries at <a href="mailto:tech@cyberpowersystems.com">tech@cyberpowersystems.com</a>.</td>
</tr>
<tr>
<td>The circuit breaker has tripped due to an overload.</td>
<td>The UPS will not turn on.</td>
<td>The unit must be connected to a 110/120V 60Hz outlet.</td>
</tr>
<tr>
<td>The UPS may not turn on.</td>
<td>The UPS will not turn on.</td>
<td>The unit must be connected to a 110/120V 60Hz outlet.</td>
</tr>
<tr>
<td>Off Battery LED is illuminated.</td>
<td>Overload</td>
<td>Remove excessive load and restart the UPS.</td>
</tr>
<tr>
<td>Power Failure</td>
<td>Output Short</td>
<td>Contact CyberPower Systems at <a href="mailto:tech@cyberpowersystems.com">tech@cyberpowersystems.com</a>.</td>
</tr>
<tr>
<td>Battery Overcharge</td>
<td>Battery Health</td>
<td>Contact CyberPower Systems at <a href="mailto:tech@cyberpowersystems.com">tech@cyberpowersystems.com</a>.</td>
</tr>
<tr>
<td>Over Temperature</td>
<td>Over Temperature</td>
<td>Contact CyberPower Systems at <a href="mailto:tech@cyberpowersystems.com">tech@cyberpowersystems.com</a>.</td>
</tr>
</tbody>
</table>

Additional troubleshooting information can be found under "Support" at www.CPShow.com.

**TECHNICAL SPECIFICATIONS**

- **Model**: PR750LCD
- **Capacity**: 750VA / 525W
- **Nominal Input Voltage**: 120Vac
- **Input Frequency**: 47 to 63 Hz
- **On-Battery Voltage Output**: 120/230V ± 5%
- **Max. Load for UPS Outlets (5 Outlets)**: 700VA / 525W
- **Max. Load for Full-Time Surge Protection outlets (10 Outlet)**: 10 Amp
- **On/Off Battery Wave Form**: Sinewave
- **Operating Temperature**: +32°C to +104°F (0°C to 40°C)
- **Operating Relative Humidity**: 0 to 90% non-condensing
- **Size (L x W x H)**: 13.7” x 5.4” x 6.4” (349 x 138 x 162 mm)
- **Weight**: 27lbs / 12.7kg
- **Battery Type**: CyberPower / RB1270X2B
- **Typical Battery Recharge Time**: 8 hours from full discharge
- **Typical Battery Life**: 3 to 5 years, depending on number of discharge/charge cycles
- **Recommended Battery**: Sealed Maintenance Free Lead Acid Battery
- **Safety Approvals**: UL1778, CSA C22.2 No. 107.3, FCC/CeCe Class A

**SYSTEM FUNCTIONAL BLOCK DIAGRAM**

**CYBERPOWER GREENPOWER UPS™ TECHNOLOGY**

Advanced Energy-Saving Patented Bypass Technology

CyberPower’s patented GreenPower UPS™ technology reduces UPS energy costs by up to 75% compared to conventional UPS models. Even when utility power is normal, conventional UPS models constantly pass power through a transformer. By contrast, under normal conditions the advanced circuitry of a GreenPower UPS™ bypasses the transformer. As a result, the power efficiency is significantly increased while decreasing waste heat, using less energy, and reducing energy costs.

When an abnormal power condition occurs, the GreenPower UPS™ automatically turns power through its transformer to regulate voltage and provide “safe” power. Since utility power is normal over 98% of the time, the GreenPower UPS™ operates primarily in its efficient bypass mode. The GreenPower UPS™ is also manufactured in accordance with the Restriction of Hazardous Substances (RoHS) directive making it one of the most environmentally-friendly on the market today.

**Limited Warranty and Connected Equipment Guarantee**

Read the following terms and conditions carefully before using the CyberPower PR750LCD (the "Product"). By using the Product you consent to be bound by and become a party to the terms and conditions of this Limited Warranty and Connected Equipment Guarantee (together referred to as this "Warranty"). If you do not agree to the terms and conditions of this Warranty, you should return the Product for a full refund prior to using it.

Who is Providing this Warranty?

CyberPower Systems, USA, Inc. ("CyberPower") provides this Limited Warranty.

What Does This Warranty Cover?

This warranty covers defects in materials and workmanship in the Product under normal use and conditions. It also covers equipment that was connected to the Product and damaged because of the failure of the Product.

What is the Period of Coverage?

This warranty covers the Product for three years and connected equipment for as long as you own the Product.

Who is Covered?

This warranty only covers the original purchaser. Coverage ends if you sell or otherwise transfer the Product.

How Do You Get Warranty Service?

1. Before contacting CyberPower, identify your Product model number, the Purchase Date, and each item of Connected Equipment (E.G. Computer tower, Computer Monitor, Ink Jet Printer, Cable Modem, etc).
3. If your product requires warranty service you must provide a copy of your dated purchase receipt or invoice.

How Do You Open A Connected Equipment Claim?

1. Call us at (877) 297-6937 or write to us at Cyber Power Systems (USA), Inc., 4421 12th Ave. E., STE 410, Shakopee, MN 55379; or send us an e-mail message at claims@cyberpowersystems.com within 10 days of the occurrence.
2. We will contact you, identify the Product, the Purchase Date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources of recovery or repayment that are available to the Initial Customer and Request a Claim Number.
3. You must provide a dated purchase receipt or other proof of the original purchase and provide a description of the damage to your connected equipment.
4. Pack and ship the product to CyberPower and, if requested, the item(s) of Connected Equipment, a repair cost estimate for the damage to the Connected Equipment, and all claim forms that CyberPower provides you. Show the Claim Number on the address label or include it with the product.
5. You must prepay all shipping costs, you are responsible for packaging and shipment, and you must pay the cost of the repair estimate.

How Long Do I Have To Make A Claim?

All claims must be made within ten-days of the occurrence.

What Will We Do To Correct Problems?

CyberPower will inspect and examine the Product.

If the Product is defective in material or workmanship, CyberPower will repair or replace it at CyberPower’s expense, or, if CyberPower is unable to a) repair or replace the Product (if defective) within a reasonable time, CyberPower will refund to you the full purchase price you paid for the Product (purchase receipt showing price paid is required).

If it appears that our Product failed to protect any equipment plugged into it, we will also send you forms for making your claim for the connected equipment. We will repair or replace the equipment that was damaged because of the failure of our Product or pay you the fair market value (NOT REPLACEMENT COST) of the equipment at the time of the damage. We will use lion Blue Box, or another third-party valuation guide, or if illiquid, illagable, or other resources to establish that amount. Our maximum liability is limited to $375,000 for the PR750LCD.

Who Pays For Shipping?

We pay when we send items to you; you pay when you send items to us. You must prepay all shipping costs, you are responsible for packaging and shipment, and you must pay the cost of the repair estimate.

Where Can I Get More Information?

For further information please feel free to contact CyberPower at CyberPower Systems (USA), Inc., 4421 12th Ave. E., STE 410, Shakopee, MN 55379; or call us at (877) 297-6937; or send us an e-mail message at claims@cyberpowersystems.com.

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