Back-UPS™ BX950U-GR/BX1400U-GR
User Guide

by Schneider Electric

1 Safety and General Information

Inspect the package contents upon receipt. Notify the carrier and dealer if there is any damage.

Read the following reminders before installing the UPS:

- This UPS is intended for indoor use only. Check the UPS power cable directly to a wall outlet. Do not use surge protectors or extension cords.
- When grounding cannot be verified, disconnect the equipment from the AC power outlet before installing or connecting to other equipment. Reconnect the power cord after all connections are made.
- Servicing of batteries should be performed by Schneider Electric IT (SEIT) Customer Support only.
- When replacing the battery the UPS must be OFF, and its AC inlet unplugged.
- Do not dispose of batteries in a fire. The batteries may explode.
- Do not open or mutilate batteries. They contain an electrolyte that is toxic and harmful to the skin and eyes.
- To avoid harmful injury due to energy hazard, remove wrist watches and jewelry such as rings when replacing the batteries. Use tools with insulated handles.
- Replace batteries with the same number and type of batteries as originally installed in the equipment.

2 Connect the Battery

1. Connect the battery by pulling the battery connector handle down, and then pushing it into the unit.
2. Connect the Back-UPS BX950U-GR/BX1400U-GR power cable directly to a wall outlet. Do not use surge protectors or extension cords.
3. Press the ON/OFF button to turn on the unit.

The green “Power On” indicator confirms that the Back-UPS is on and ready to provide protection.

The Back-UPS should charge for at least 10 hours to ensure sufficient runtime. The unit is being charged whenever it is connected to AC power, whether the unit is turned ON or OFF.

3 Features

- Online LED
- Battery LED
- Circuit breaker
- Battery LED
- Battery Backup + Surges Protection options. See outlet type and quantity breakdown for each model on the table on the left.
- AC Power inlet
- Telephone/Network port
- USB port

4 Status Indicators

<table>
<thead>
<tr>
<th>Status</th>
<th>LED Indicator</th>
<th>Audible Alarm</th>
<th>Audible Alarm Terminations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On</td>
<td>Illumination green</td>
<td>None</td>
<td>CA</td>
</tr>
<tr>
<td>DC Battery</td>
<td>The Back-UPS is supplying battery power to the battery backup outlets.</td>
<td>None</td>
<td>DC</td>
</tr>
<tr>
<td>AC Battery</td>
<td>The Back-UPS is supplying AC power to connected equipment.</td>
<td>None</td>
<td>AC</td>
</tr>
<tr>
<td>Low Battery warning</td>
<td>The Back-UPS is supplying battery power to the battery backup outlets and the battery is fully discharged.</td>
<td>The On Line LED flashes red.</td>
<td>The Back-UPS will issue rapid beeping. (once every second)</td>
</tr>
<tr>
<td>Replace Battery</td>
<td>The battery is disconnected. The battery needs to be charged or replaced.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Overload</td>
<td>The Back-UPS is drawing more power than the voltage rating allows.</td>
<td>Flashes red.</td>
<td>The Back-UPS is turned off.</td>
</tr>
<tr>
<td>Voltage Overload</td>
<td>The Back-UPS will awaken once AC power is restored.</td>
<td>Flashes red.</td>
<td>The Back-UPS is turned off.</td>
</tr>
<tr>
<td>Battery Recharge</td>
<td>The Back-UPS is drawing more power than the voltage rating allows.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Battery Recharge</td>
<td>The Back-UPS is drawing more power than the voltage rating allows.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>AC Power</td>
<td>AC power is not restored within 32 seconds.</td>
<td>AC power is restored.</td>
<td>None</td>
</tr>
<tr>
<td>Power On</td>
<td>The Back-UPS is turned off.</td>
<td>AC power is restored.</td>
<td>None</td>
</tr>
</tbody>
</table>

5 Operational Features

Install PowerChute™ Software

To install PowerChute Personal Edition (PCPE) software, connect a USB cable to the data port on the UPS and the other end to a computer with access to the web.

On the computer, go to www.apc.com/download. Select “Software Upgrades - PowerChute Personal Edition” in the “Filter by Software/Firmware” drop down menu. Select the appropriate operating system. Follow directions to download the software.

Automatic Voltage Regulation

Automatic Voltage Regulation begins from the AC voltage when it dips/exceeds safe levels. This allows the equipment plugged into the unit to operate during low/high voltage conditions, conserving the battery power in the event of a power cut.

The Back-UPS will switch to battery power if the input voltage level becomes too low/high for the Automatic Voltage Regulation to compensate, or if the AC power is distorted.

If the Back-UPS switches to battery power too frequently or too infrequently, adjust the transfer voltage and sensitivity settings.

Operational Features

- Sensitivity settings:
  1. Ensure the Back-UPS is off. Plug in AC power.
  2. Press and hold the ON/OFF button until the LED repeatedly flashes. The unit is now in Program Mode.
  3. Release the button. The LED will indicate the current setting by flashing once, twice, or three times per second, and emitting audible beeps.
  4. If the button is pressed within five seconds, the Back-UPS will exit the Program Mode.

No-load Shutdown

If the UPS is operating on battery power and detects that the connected equipment is using less than 15 W of energy for more than 15 minutes, it will shut down to conserve energy.

When the UPS is reconnected to AC power, the UPS will automatically switch on.

LED Flashes

<table>
<thead>
<tr>
<th>LED Flash</th>
<th>Audible Indicator</th>
<th>Voltage Sensitivity</th>
<th>Input Voltage Range</th>
<th>No-load Shutdown</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>None</td>
<td>Low</td>
<td>100-200</td>
<td>Disabled</td>
<td>Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.</td>
</tr>
<tr>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
<td>150-250</td>
<td>Disabled</td>
<td>Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.</td>
</tr>
<tr>
<td>High</td>
<td>High</td>
<td>High</td>
<td>160-250</td>
<td>Disabled</td>
<td>Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.</td>
</tr>
</tbody>
</table>

Troubleshooting and Service

   a. Note the model number and serial number and the date of purchase. The model and serial numbers are located on the rear panel of the unit and are available through the LCD display on select models.
   b. Call SEIT Customer Support and a technician will attempt to solve the problem over the phone. If this is not possible, there will be a fault guidelines Material Authorization Number (RMA#).
2. If the unit is under warranty, the repairs are free.
3. Service procedures and return options vary in may internationally. Refer to the Schneider Electric web site for country specific instructions.
4. Prepare to troubleshoot the problem over the phone. If this is not successful, and the unit is still under warranty, the Technical Support Representative will provide all necessary information to return the unit for replacement.

Warranty


The standard warranty is for two (2) years from the date of purchase. SEIT standard procedure is to replace the original unit with a factory reconditioned unit. Customers who must have the original unit back after the assignment of user logos/numbers to the repaired unit must declare such a need in advance with an SEIT Technical Support representative. SEIT will ship the replacement unit once the defective unit has been received in the repair department, and upon receipt of a valid credit card number. The customer pays for shipping the unit to SEIT. SEIT pays ground freight transportation costs to ship the replacement unit to the customer.

APC by Schneider Electric IT Customer Support Worldwide

For country-specific customer support, go to the APC by Schneider Electric web site, www.apc.com.

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