

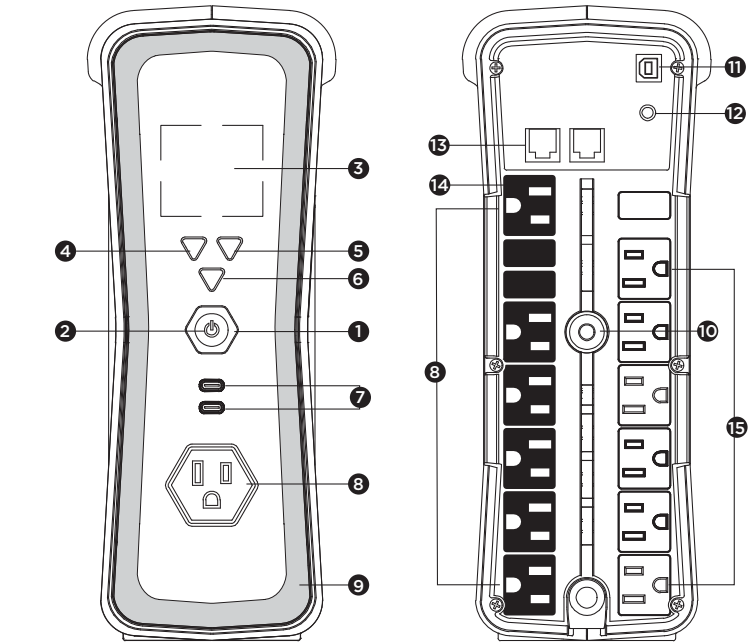
GX SERIES SINEWAVE UPS

GX150C2 / GX150C2-FC / GX150C2-E

USER MANUAL

FEATURES

1. Power Button
2. Power On Indicator
3. LCD Display
4. Down/Display Button
5. Up/Mute Button
6. Enter/Setup Button
7. USB-C Charge Ports
8. Battery and Surge Protected Outlets
9. RGB Light Strip
10. Circuit Breaker
11. USB Communication Port
12. Wiring Fault Indicator (red)
13. Communication Protection Ports (RJ45)
14. Transformer-spaced Outlet with Battery Backup and Surge Protection
15. Full-Time Surge Protection Outlets



PRODUCT REGISTRATION

Thank you for purchasing a CyberPower product. Please take a few minutes to register your product at: www.cyberpower.com/registration. Registration certifies your product's warranty, confirms your ownership in the event of a product loss or theft and entitles you to free technical support. Register your product now to receive the benefits of CyberPower ownership.

IMPORTANT SAFETY WARNINGS (SAVE THESE INSTRUCTIONS)

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries. 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. (Please see specifications for 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 battery.

CAUTION! Hazardous live parts inside 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. If you need to de-energize this equipment, turn off and unplug the unit.

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

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

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

CAUTION! Do not dispose of batteries in a fire. The batteries may explode.

CAUTION! Do not open or mutilate batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.

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

DO NOT USE THE UPS ON ANY TRANSPORTATION! To reduce the risk of fire or electric shock, do not use the unit on any transportation such as airplanes or ships. The effect of shock or vibration caused during transit and the damp environment can cause the unit to short out.

INSTALLING YOUR UPS SYSTEM

UNPACKING

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

- (a) UPS
- (b) User's manual
- (c) USB A+B type cable
- (d) Function Setup Guide
- (e) RGB Quick Start Guide

"PowerPanel" software is available on our website. Please visit www.cyberpower.com and go to the Software Section for free download.

SUPPORTS ACTIVE PFC POWER SUPPLIES

This CyberPower UPS system supports High Efficiency power supplies with Active Power Factor Correction (Active PFC). Active PFC is used to improve the efficiency of power delivery. The current US Energy Star® Program Requirements for Computers (version 7.1) mandates Active PFC for all power supplies over 100 watts. Additionally, programs such as 80 Plus® are often used to identify high efficiency power supplies with Active PFC.

OVERVIEW

The GX150C2/GX150C2-FC/GX150C2-E provides complete power protection from utility power that is not always consistent and features 1445 Joules of surge protection. All units provide long lasting battery backup during power outages with maintenance free batteries.

The GX150C2/GX150C2-FC/GX150C2-E ensures consistent power to your computer system and includes software that will automatically save your open files and shutdown your computer system during a utility power loss.

AUTOMATIC VOLTAGE REGULATOR

The GX150C2/GX150C2-FC/GX150C2-E uses Automatic Voltage Regulation (AVR) to stabilize inconsistent utility power voltage to levels that are safe for connected equipment. AVR safeguards hardware and important data files by automatically increasing low utility power to a consistent and safe output voltage while preserving battery power for outages.

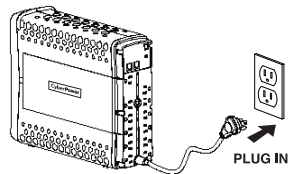
DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Ensure that the equipment plugged into the UPS does not exceed the UPS unit's rated capacity. If the rated capacities of the unit are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip.
2. There are many factors that can affect the amount of power that your electronic equipment will require. For optimal system performance keep the load below 80% of the unit's rated capacity.

INSTALLING YOUR UPS SYSTEM - Continued

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, after receiving a new UPS, to ensure the battery's maximum charge capacity, it is recommended that you charge the battery for at least 8 hours. Your UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically charge whether the UPS is turned on or off.
Note: This UPS is designed with a safety feature to keep the system from being turned on during shipment. The first time you turn the UPS on, you will need to have it connected to AC power or it will not power up.
2. With the UPS unit turned off and unplugged, connect your computer, monitor, and any other peripherals requiring battery backup into the battery power supplied outlets. Plug the other peripheral equipment (eg. printer, scanner, speakers, etc.) into the full time surge protection outlets. **DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum, sump pump or other large electrical devices into the "Battery and Surge Protected Outlets". The power demands of these devices may overload and damage the UPS.**
3. Plug the UPS directly 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, copier, etc.). The warranty prohibits the use of extension cords, outlet strips, and surge strips in conjunction with the UPS unit.
4. Press the power switch to turn the unit on. The Power On indicator light will illuminate and the unit will "beep".
5. 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. Make sure the circuit breaker is depressed and then turn the UPS on.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
7. 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.
8. Ensure the wall outlet and UPS are located near the equipment being attached for proper accessibility.



BASIC OPERATION

1. **Power Button:** Used as the master on/off switch for equipment connected to the battery power supplied outlets.
2. **Power On Indicator:** This LED is illuminated when the utility power is normal and the UPS outlets are providing power, free of surges and spikes.
3. **LCD Display:** High resolution and intelligent LCD display shows all the UPS information using icons and messages. For more information please review the "Definitions for Illuminated LCD Indicators" section below.
4. **Down/Display Button:** The button can be used to select the LCD display contents including Input Voltage, Output Voltage, and Estimated Run Time. Short press the button to scroll down the function menu. Pressing the button for two seconds will keep the LCD display always on or turn the LCD display off while in AC/Utility power mode. For more information about the Down/Display Button, please refer to the Function Setup Guide.
5. **Up/Mute Button:** Short press the button to scroll up the function menu. Holding the button for more than two seconds will silence the alarm. For more information about the Up/Mute Button, please refer to the Function Setup Guide.
6. **Enter/Setup Button:** Press the button for two seconds to enter the setup menu and then select the functions for configuration. For more information about the Enter/Setup Button, please refer to the Function Setup Guide.
7. **USB-C Charge Ports:** USB-C (upper) Output : 5Vdc, 2.5A Max / 9Vdc, 2A Max / 15Vdc, 2A Max USB-C (lower) Output : 5Vdc, 2.4A Max Total USB Output: 30W Max
8. **Battery and Surge Protected Outlets:** The unit has seven battery powered and surge protected outlets to ensure temporary uninterrupted operation of your equipment during a power failure. (DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum cleaner, sump pump, or other large electrical device into the "Battery and Surge Protected Outlets." The power demands of these devices will overload and possibly damage the unit.)
9. **RGB Light Strip:** There are 12 light bar modes available, allowing you to choose from a variety of colors and effects to personalize your setup. For more information about RGB setup, please refer to the RGB Lighting Quick Start Guide.
10. **Circuit Breaker:** Located on the back of the UPS, the circuit breaker provides overload and fault protection.
11. **USB Communication Port:** Allows communication between the USB port on the computer and the UPS unit.
12. **Wiring Fault Indicator (red):** This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. If this is illuminated, disconnect all electrical equipment from the outlet and have an electrician verify the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.
13. **Communication Protection Ports (RJ45):** Bi-directional communication ports provide surge protection to a 10/100/1000 Ethernet connection. *Not for telecommunication (telephone) network.
14. **Transformer-spaced Outlet with Battery Backup and Surge Protection:** The UPS unit has a widely-spaced outlet, so the AC power adapter can be plugged into the UPS without overlapping or blocking adjacent outlets.
15. **Full-Time Surge Protection Outlets:** The unit has six outlets that provide surge suppression without battery backup.

REPLACING THE BATTERY

Replacement of batteries located in an **OPERATOR ACCESS AREA**.

1. When replacing batteries, replace with the same number of the following battery: CyberPower / RB1290X2
*Each purchase of RB1290X2 includes 2 units of RB1290.
2. **CAUTION!** Risk of Energy Hazard, 24V, maximum 9 Ampere-hour battery. Before replacing batteries, remove conductive jewelry such as chains, wrist watches, and rings. High energy conducted through these materials could cause severe burns.
3. **CAUTION!** Do not dispose of batteries in a fire. The batteries may explode.
4. **CAUTION!** Do not open or mutilate batteries. Released material is harmful to the skin and eyes. It may be toxic.
5. **CAUTION!** A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:
1) Remove watches rings, or other metal objects.
2) Use tools with insulated handles.

CAUTION - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

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

