CDP RU-SMART1010

CDP NBKCDP470 R Plus 1300VA Uninterruptible Power Supply User Manual

Model: RU-SMART1010

1. Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your CDP NBKCDP470 R Plus 1300VA Uninterruptible Power Supply (UPS). This device is designed to protect your electronic equipment from power outages, surges, sags, and other electrical disturbances, ensuring continuous operation and data integrity. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

2. Safety Instructions

Observe the following safety precautions to prevent injury and damage to the UPS or connected equipment:

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not connect non-computer-related equipment such as medical devices, life support equipment, or household appliances to the UPS.
- Ensure the UPS is connected to a grounded power outlet.
- Do not block ventilation openings. Allow adequate space around the UPS for proper airflow.
- Avoid placing the UPS in direct sunlight, near heat sources, or in environments with excessive dust, humidity, or corrosive substances.
- In case of fire, use a dry chemical fire extinguisher. Water may cause electrical shock.
- Disconnect the UPS from the AC power source before cleaning. Use a dry cloth for cleaning.

3. Package Contents

Verify that all items are present in the package:

- CDP NBKCDP470 R Plus 1300VA UPS Unit

- User Manual (this document)
- USB Communication Cable
- Power Cord (integrated)

4. Product Overview

4.1 Front Panel

The front panel features the LCD display, USB charging ports, and the power button.



Image 1: Front view of the CDP NBKCDP470 R Plus 1300VA UPS, showing the LCD display, four USB charging ports, and the power

button.

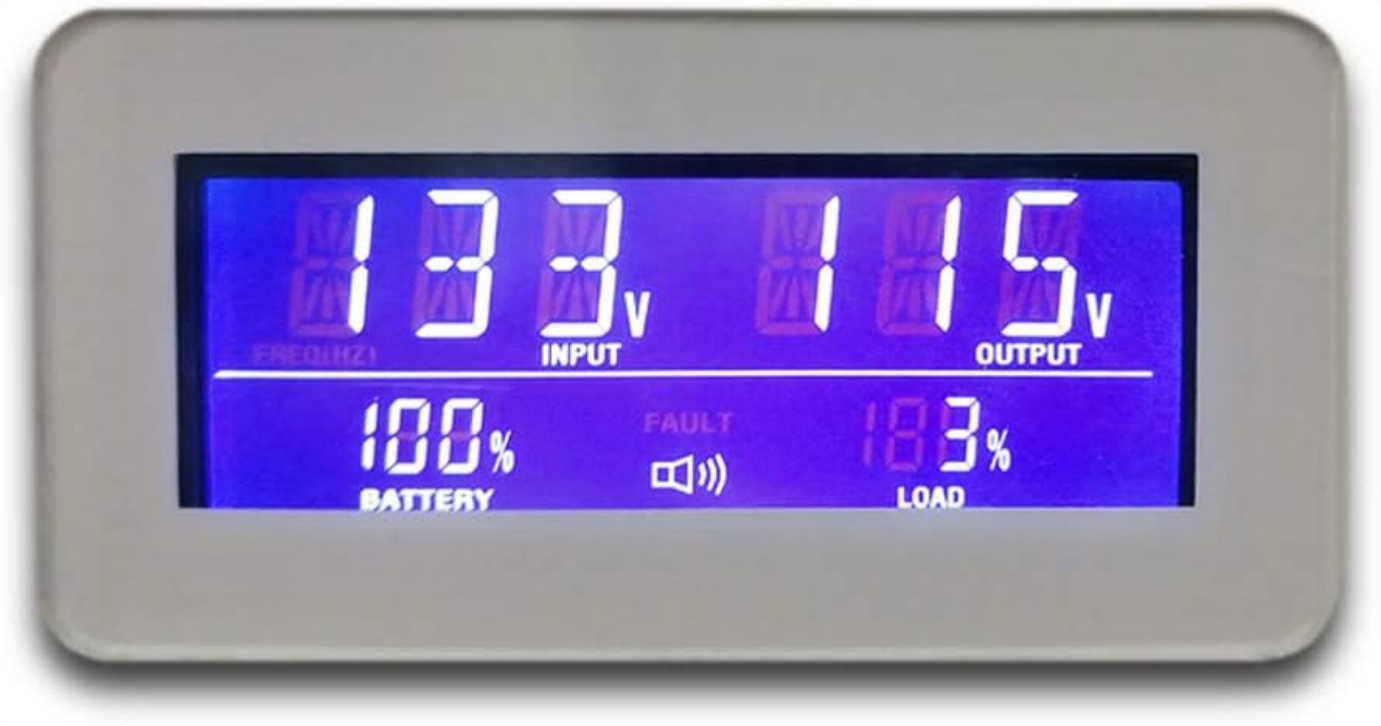


Image 2: Close-up of the UPS LCD display, showing input/output voltage, battery charge level, load percentage, and operational status indicators.

4.2 Rear Panel

The rear panel provides various outlets for connecting equipment, communication ports, and a circuit breaker.



Image 3: Rear panel of the UPS, featuring multiple AC outlets (some with battery backup/surge protection, others with surge protection only), a USB communication port, and telephone/fax modem protection ports (in/out).

5. Setup

5.1 Placement

Place the UPS in a cool, dry, and well-ventilated indoor area. Avoid direct sunlight, heat sources, and areas with excessive dust or moisture. Ensure the unit is placed on a stable, flat surface.

5.2 Initial Charging

Before initial use, connect the UPS to a standard grounded AC outlet and allow it to charge for at least 5 hours without any load. This ensures the battery is fully charged and ready to provide optimal backup power.

5.3 Connecting Equipment

1. **Connect to AC Power:** Plug the UPS power cord into a grounded wall outlet.
2. **Connect Devices to Battery Backup Outlets:** Plug your critical equipment (e.g., computer, monitor, router) into the outlets labeled 'AVR/Backup/Surge'. These outlets provide both battery backup and surge protection.
3. **Connect Devices to Surge-Only Outlets:** Plug non-critical equipment (e.g., printer, scanner) into the outlets

labeled 'Surge Only'. These outlets provide surge protection but no battery backup.

4. **USB Communication Port:** Connect the supplied USB cable from the UPS to your computer's USB port to enable monitoring software functionality.
5. **Telephone/Fax/Modem Protection:** For telephone line protection, connect a telephone cable from the wall jack to the 'in' port on the UPS, then connect another cable from the 'out' port to your telephone/fax/modem.

6. Operating Instructions

6.1 Powering On/Off

- **To Power On:** Press and hold the power button on the front panel for approximately 2 seconds until you hear a beep and the LCD display illuminates.
- **To Power Off:** Press and hold the power button for approximately 2 seconds until the display turns off.

6.2 Understanding the LCD Display

The LCD display provides real-time information about the UPS status:

- **Input Voltage:** Displays the current AC input voltage from the wall outlet.
- **Output Voltage:** Displays the voltage supplied by the UPS to connected equipment.
- **Battery Level:** Indicates the remaining battery charge percentage.
- **Load Percentage:** Shows the percentage of the UPS's capacity currently being used by connected equipment.
- **Status Indicators:** Icons may indicate AC mode, battery mode, fault conditions, or other operational states.

6.3 USB Charging Ports

The four USB ports on the front panel can be used to charge mobile devices. These ports are active when the UPS is powered on, even if no AC load is connected.

6.4 Monitoring Software

The UPS includes a USB communication port for connecting to a computer. This allows for the installation of monitoring software (e.g., UPSilon 2000, as shown in Image 4) to manage the UPS, view detailed status, configure shutdown options, and receive alerts.

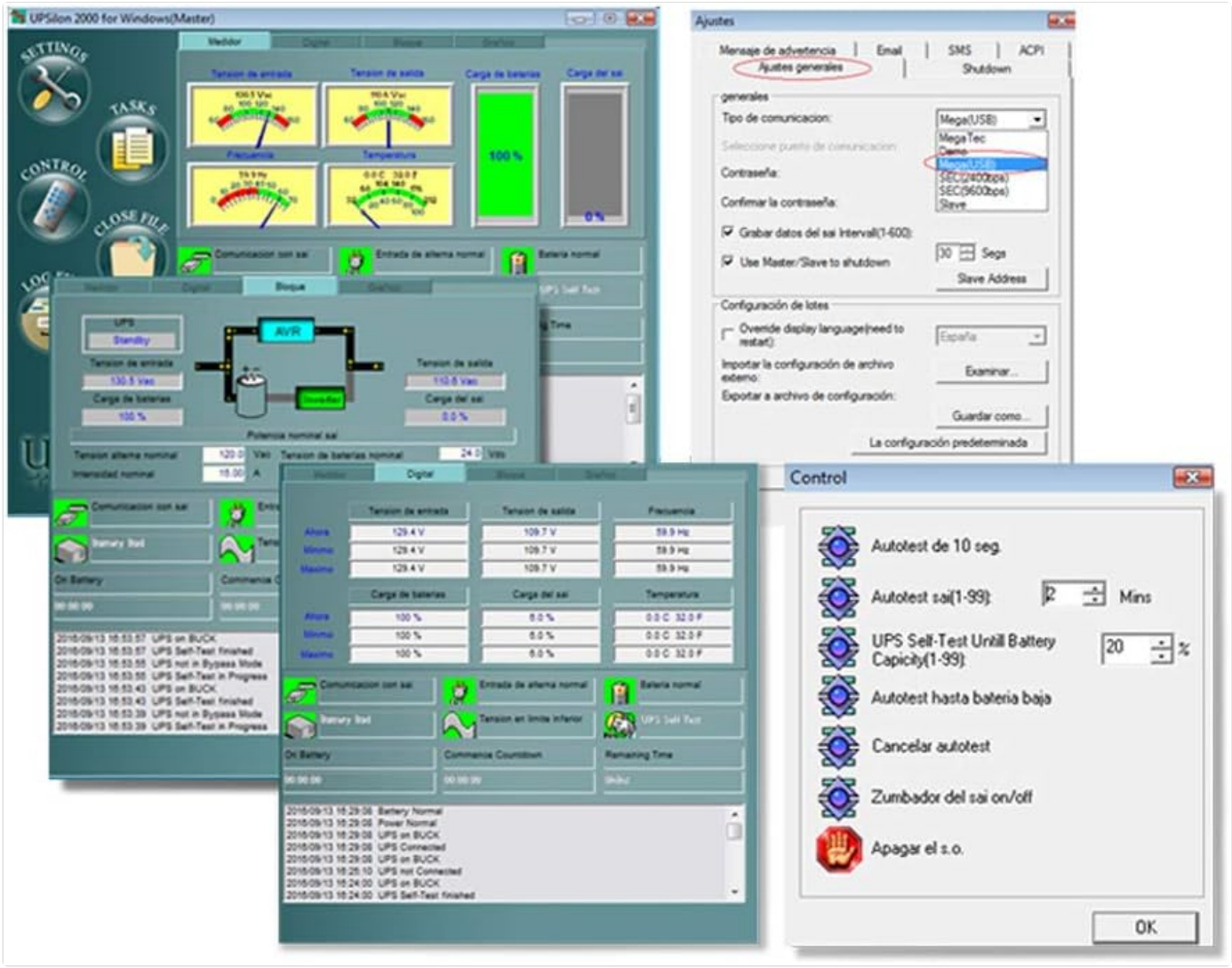


Image 4: Example screenshots of the UPS monitoring software interface, displaying various parameters such as input/output voltage, battery status, load, and configuration options.

7. Maintenance

7.1 Battery Care

The internal battery is a sealed lead-acid type and is not user-replaceable. The battery typically lasts 3-5 years under normal operating conditions. If the UPS consistently fails to provide adequate backup time, the battery may need replacement by qualified service personnel.

7.2 Cleaning

Ensure the UPS is turned off and disconnected from the AC power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.

8. Troubleshooting

If the UPS is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
UPS does not turn on	No AC input power; Battery discharged; Power button not pressed correctly.	Check AC power connection; Allow UPS to charge for 5 hours; Press and hold power button for 2 seconds.
UPS beeps continuously in AC mode	Overload condition.	Disconnect non-essential equipment from battery backup outlets until the load percentage is within limits.
Short backup time	Battery not fully charged; Battery nearing end of life.	Allow UPS to charge for 5 hours; Contact service for battery replacement if issue persists.
UPS is in battery mode frequently	Unstable AC input power.	This indicates the UPS is functioning correctly to protect your devices. If frequent, consider checking your building's electrical wiring.
Circuit breaker tripped	Overload on outlets.	Reduce the load on the outlets, then press the circuit breaker reset button on the rear panel.

9. Specifications

Feature	Specification
Brand	CDP
Model Number	RU-SMART1010
Color	Black
Form Factor	Tower
Apparent Power (VA)	1300 VA
Output Wattage	500 Watts
Input Voltage	120 Volts
Product Dimensions (L x W x H)	20.5 x 11.2 x 22 cm
Product Weight	5.5 kg
Number of USB 2.0 Ports	4
Display Screen Size	2 Inches
Battery Type	Sealed Lead-Acid
Battery Charging Time	5 Hours
Batteries Included	Yes

10. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the

official CDP website. Do not attempt to repair the unit yourself, as this may void your warranty and pose safety risks. Contact authorized service personnel for any repairs or battery replacements.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question