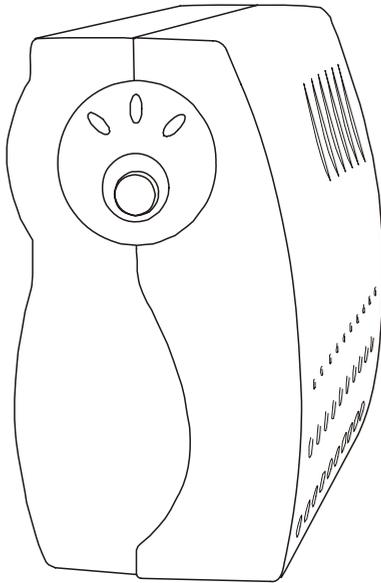


Aristel Networks



SC-425
SC-1000

User Manual

Contents.

1. Overview – System Description

- 1-1. Introduction
- 1-2. System Specification
- 1-3. System Description
- 1-4. System Features

2. Installation and Operation

- 2-1. Installation
- 2-2. Operation

3. Led and Alarm Indication

- 3-1. Alarm Indication
- 3-2. Led Indication

4. Caution

5. Trouble shooting

1. Overview

1 - 1 Introduction

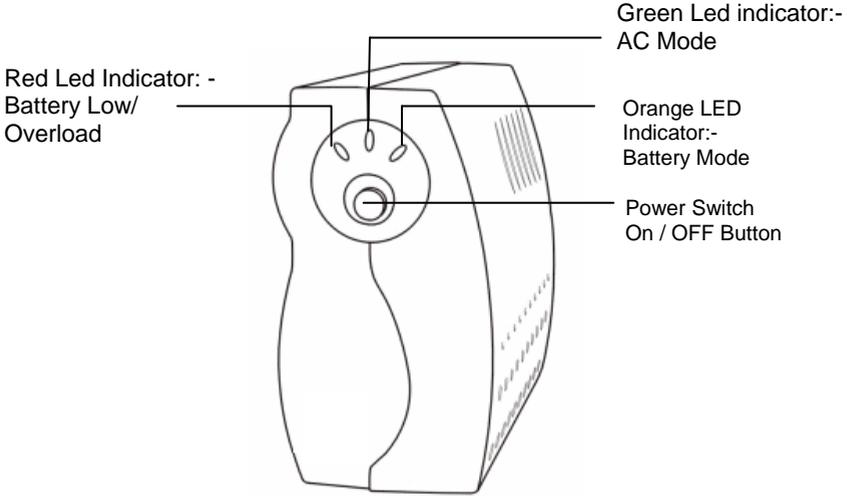
The **SMART COLOR UPS** (Uninterruptible Power Supply) offers power supply protection for small telephone systems, faxes, modems and PCs. The system's built in line conditioning, referred to as AVR (Auto-Voltage regulation), is suitable for protecting your system against most power disturbances including power blackouts, surges and brownouts.

With an onboard micro-processor the **SMART COLOR UPS** not only works hard but works SMART to protect your valuable equipment.

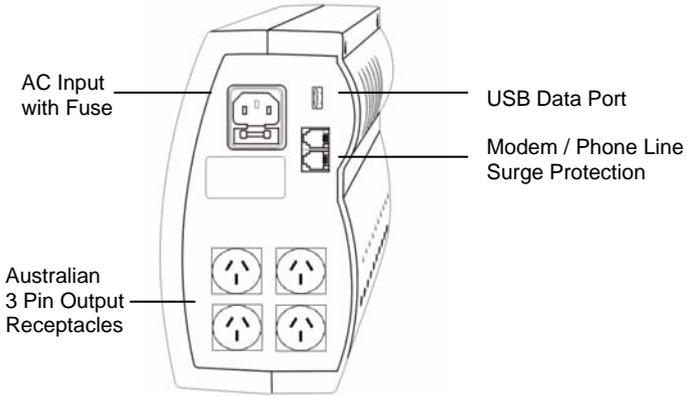
1 - 2 System Specification

Model		SC425 / SC1000
Input	Voltage	240 VAC (+25% / -25%)
	Frequency	50Hz
Output	Voltage Regulation	Automatically adjusts the Output Voltage to within 10% of the Nominal Input Voltage.
	Voltage	240VAC (+5% / -5%)
	Frequency	50Hz (+0.5% / -0.5%)
	Transfer Time	4mS (Typical)
Socket	Type	Australian 3 Pin x 4 Outlets
Battery	Type	Sealed Lead Acid - Maintenance Free
	Voltage	12VDC
	Recharge Time	4 Hours (to 90% of Full Capacity)
Protection	Protection	Self-diagnostics upon power-up
	Spike	80 joules, over 2mS (220VAC)
	Unit Input	Fuses for overload and short circuit protection
	Switch Function	UPS automatic switch for mains power and battery
	Overload	UPS automatic shutdown if overload over 110% of nominal for 60 seconds and 130% for 5 seconds
Alarms	Short Circuit	UPS output cut-off immediately and input fuse protection
	Battery Back-up	Slow beeping sound (4S intervals) - see alarm reset function
	Battery Low	Rapid beeping sound (1S intervals)
Equipment	Overload	Continuous beeping sound
	Telephone/Fax	RJ11 (SC1000)
Environment	PC Interface	USB (SC1000)
	Altitude	<5000M
	Temperature	0°C - 50°C
Standards	Humidity	0% - 90% (non condensing)
	Audible Noise	<40dB (1M from surface)
	Noise Suppression	Meets CE (EN50091), FCC Class B
Emergency Light	Surge Suppression	Meets IEEE587
	LED/Blue Light	AC input power failure, emergency power light will turn on (SC1000)
Dimensions	DxWxH (mm)	275x110x202
Weight	Net (Kg)	5.9 / 6.4

1 - 3 System Description



Front Panel



Rear Panel



Australian 3 Pin Output Receptacles

1 - 4 System Description

1. Microprocessor controlled
2. Auto Voltage Regulation
3. Smart Communication Port – USB Port (SC1000)
4. Fax/Phone line surge suppression (SC1000)
5. 50/60Hz auto detecting
6. Cold start function (DC power on)
7. Short circuit and overload protection
8. Automatic diagnostics & battery check while power on (SC1000)
9. Attractive smart color combination
11. Vertical and horizontal Installation

2. INSTALLATION AND OPERATION

2 - 1. Installation

The following steps explain how to install the UPS to your equipment.

Step 1. Assure AC power input and output voltages are within the UPS ranges specified on the rear panel of the device.

Step 2. Plug the UPS input power cord into a wall outlet or other power source.

Step 3. Plug the “equipment” power lead into the UPS output.

Step 4. Start the UPS by pressing the ON/OFF button for about 4 seconds. The beeps and it conducts a quick self-test Before it enters Normal AC power mode. The AC power green LED indicator illuminates indicating that power is now available from the UPS rear power outlets.

Before turning off the UPS, please turn off any equipment attached to it.

Step 5. To turn off the UPS, press the ON/OFF button for about 6 seconds. The unit will switch to battery operation before turning off completely.

2 - 2. OPERATION

2-2-1. Turning the UPS ON

Press the power ON/OFF button on the front panel. After the UPS green LED is comes on, it conducts a self-test and enters normal mode.

2-2-2. Starting the UPS on battery

To turn on the UPS without using AC power. Press ON/OFF button and hold for 6 seconds to conserve battery power (The UPS does not conduct self-test when UPS start on battery).

2-2-3. Turning The UPS OFF

Press the ON/OFF button for about 6 seconds. The unit will switch to battery operation momentarily before turning off completely.

3. LED and Alarm Indication:

3 - 1. LED indication

GREEN	ORANGE	RED
AC power mode (UPS ON)	AC input power failure and switched to battery mode	UPS overloaded

3-2. Alarm indication

Beep Every 4 seconds	Beep Every 1 Second	Beep Continuously	Beep Every 0.5 second
UPS in battery mode. Press ON/OFF button for 6 seconds to stop beep	Low battery Warning	Battery overload warning	Battery Low

4. CAUTIONS

Although your UPS has been designed and manufacturer to assure your personal safety, improper use can result in electrical shock or fire. To assure safeoperation, please observe the following rules:

1. Turn off and unplug your UPS before cleaning. Do not use liquid or aerosol cleaner. A dry cloth is recommended to remove dust from the surface.
2. Do not install or operate your UPS in or near damp conditions.
3. Do not place UPS on an unstable cart, stand or table
4. Do not place UPS in direct sunlight or close to heat sources
5. Do not place UPS power cord in any area where it may be damaged.
6. Do not connect UPS to house hold appliances **e.g. hairdryer, fan heater etc.**
7. Do not connect UPS to **Laser printer**
8. If you store the UPS or UPS does not operate for a long period, recharge the battery every month by starting the UPS for 8 hours.
9. The UPS should be returned to Aristel networks or their agent for battery replacement (this operation should only be performed by trained specialist staff). Replacement battery should be the same number and type of battery as originally supplied.

5. TROUBLE SHOOTING

Situation	Check items	Solution
UPS power is on but UPS does not start	The line cord is not connected or not plugged in. The wall outlet is faulty.	Connect the line cord to the UPS and plug the UPS into a working outlet
Start UPS but Red LED flashes	Low battery power because of long term AC power failure	Connect AC power and charge battery for 8 hours
UPS does not provide the expected back-up time	The battery may be low power because <ol style="list-style-type: none">1. Long-term storage2. Overload3. End of battery life	<ol style="list-style-type: none">1. Charge the battery for 8 hours2. Turn off connected appliances.3. Have battery replaced
Red LED illuminates and continuous beeping alarm	UPS faulty	Disconnect all equipment and unplug the UPS from the wall outlet.

DISCLAIMER CLAUSE

This manual is provided "as is", without any warranties, either expressed or implied. The supplier and it's distributors are not liable for any error, correctness, accuracy and reliability of the information, either express or implied, herein contained.

The manufacturer and it's distributor are not liable for any direct, indirect, incidental, consequential, loss of business profits, punitive or special damages, even if it and its suppliers have been advised of the possibility of such damages.

This manual is subject to changes without notice.

Aristel Networks provides a web site for support and technical assistance at the following address www.powerbank.com.au



by

Aristel Networks Pty Ltd
Unit 1, 25 Howleys Road,
Notting Hill VIC 3168,
Australia
Tel: 03 8542 2300
Fax: 03 9544 3299