CAT CD1000DCP Professional 3-in-1 Power Station with Jump Starter and Compressor Instruction Manual

CAT CD1000DCP Professional 3-in-1 Power Station with Jump Starter and Compressor

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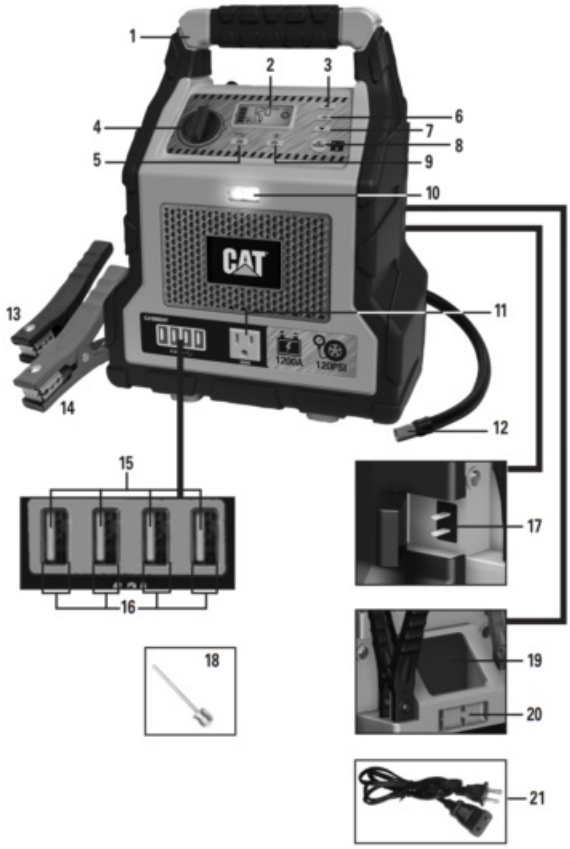
Contents

FEATURES



Product may differ slightly from picture.

1. Rubber Grip Handle
2. Backlit LCD Screen
3. Increase Compressor Pressure Control Button (+)
4. Jump Starter Power Switch
5. USB Power Button
6. Compressor Power Button
7. Decrease Compressor Pressure Control Button (-)
8. AC Power Button
9. Area Light Power Button
10. 2-LED Built-in Area Light
11. Three-Prong 120 Volt AC Outlet
12. Air Hose and Sure Fit® Nozzle
13. Negative (-) Black Clamp
14. Positive (+) Red Clamp
15. USB Charging Ports
16. USB Power/Fault Indicators
17. Built-in 120 Volt AC Charger (under protective cover)
18. Nozzle Adapter
19. Air Hose Storage
20. Nozzle Adapter Storage
21. AC Extension Cord

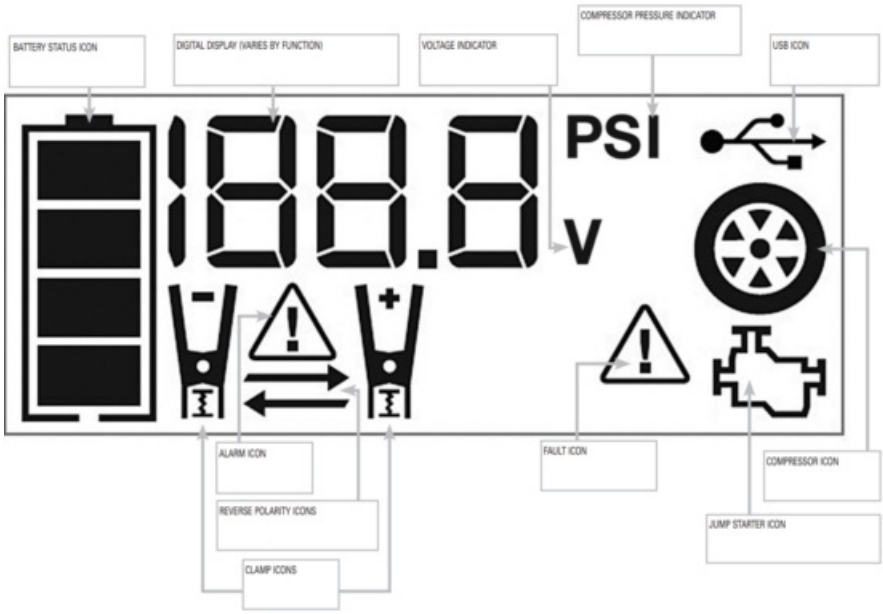
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to par t 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference i n a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not in stalled and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If equipment does cau se harmful interference to radio or television reception, which can be determined by turning the equipment off a nd on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment. This class B digital apparatus complies with Canadian ICES-003. CAN ICES-3(B) / NMB -3(B).

DIGITAL LCD SCREEN



SAFETY GUIDELINES / DEFINITIONS

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION: Used without the safety alert symbol indicates potentially hazardous situation which, if not

avoided, may result in property damage.
RISK OF UNSAFE OPERATION. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications forwhich tools and equipment are designed. Manufacturer strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

 **READ ALL INSTRUCTIONS**
WARNING: Read all instructions before operating power station. Failure tofollow all instructions listed below may result in electric shock, fire and/or serious injury.

IMPORTANT SAFETY INSTRUCTIONS

- This unit was designed for household use only.

 **WARNING – RISK OF FIRE, ELECTRIC SHOCK, BURST HAZARD, OR INJURY TO PERSONS OR PROPERTY:**

- Avoid dangerous environments. Don’t use appliances in damp or wet locations. Don’t use appliances in the rain.
- Keep children away. All visitors should be kept at a distance from work area.
- Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- Store idle appliance indoors. When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- Don’t abuse cord. Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- Disconnect appliances. Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlets to be used. Receptacles are available having built in GFCI protection and may be used for this measure of safety.
- Use of accessories and attachments. The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Refer to the accessory section of this manual for further details.
- Stay alert. Use common sense. Do not operate this equipment when you are tired or impaired.
- Check for damaged parts. Any part that is damaged should be replaced by the manufacturer before further use. Do not use tool if switch does not turn it on and off. Contact the manufacturer for more information.
- Do not operate this appliance near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
- Never submerge this unit in water; do not expose it to rain, snow or use when wet. • To reduce risk of electric shock, disconnect the unit from any power source before attempting maintenance or cleaning. Turning off controls without disconnecting will not reduce this risk.
- This equipment employs parts (switches, relays, etc.) that produce arcs or sparks. Therefore, if used in a garage or enclosed area, the unit MUST be placed not les than 18 inches above the floor.
- Do not insert foreign objects into the USB ports or the 120V AC outlet.

SPECIFIC SAFETY INSTRUCTIONS FOR CHARGING THIS UNIT

- IMPORTANT: This unit is delivered in a partially charged state. Fully charge unit with a household extension cord for a full 40 hours or until the battery status icon shows 4 solid bars before using for the first time. You cannot overcharge the unit using the AC charging method.
- To recharge this unit, use only the built-in AC charger.
- All functions should be turned off when the unit is charging or not in use. Make sure all switches are in the OFF position before connection to a power source or load.

EXTENSION CORDS:

WARNING: Use of improper extension cord could result in a risk of fire and electric shock. When using an extension cord, make sure that the pins of the extension cord are the same number, size and shape as those in the charger; and be sure to use one heavy enough to carry the current your product will draw. Anundersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

MINIMUM GAUGE FOR CORD SETS

Volts		Total Length of Cord			
120V		0-25 ft. (0-7.6m)	26-50 ft. (7.6-15.2m)	51-100 ft. (15.2-30.4m)	101-150 ft. (30.4-45.7m)
240V		0-50 ft. (0-15.2m)	51-100 ft. (15.2-30.4m)	101-200 ft. (30.4-60.9m)	201-300 ft. (60.9-91.4m)
Ampere Rating		**Extension Cord Length**			
		0-25 ft.	**26-50 ft.**	**51-100 ft.**	**101-150 ft.**
More Than	**Not more Than**	**American Wire Gage (AWG)**			
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

When an extension cord is used, make sure that:
– the pins of extension cord are the same number, size and shape as those in the charger,
– the extension cord is properly wired and in good electrical condition,
– the wire size is large enough for the AC rating of the charger.

CAUTION – TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:
Pull the extension cord by the plug rather than the cord when disconnecting from the built-in 120 volt AC charger or the AC outlet.

SPECIFIC SAFETY INSTRUCTIONS FOR JUMP STARTERS

WARNING: BURST HAZARD
Do not use the unit for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property. Use the unit for charging/boosting a lead-acid battery only. It is not intended to supply power to a low-voltage electrical system other than in a starter-motor application.

- Use of an attachment not supplied, recommended or sold by manufacturer specifically for use with this unit may result in a risk of electrical shock and injury to persons.

WARNING: RISK OF EXPLOSIVE GASES

- Working in the vicinity of a lead acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of the utmost importance that each time before using the jump-starter you read this manual and follow instructions exactly.
- To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Review cautionary markings on these products and on the engine.

CAUTION – TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- NEVER ATTEMPT TO JUMP-START OR CHARGE A FROZEN BATTERY.
- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting, read the vehicle's owner's manual to confirm that external-starting assistance is suitable.
- Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or power station
- Stay clear of fan blades, belts, pulleys, and other parts that can cause injury to persons.
- Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead acid battery. A lead acid battery can produce a short circuit current high enough to weld a ring, or similar metal object, to skin, causing a severe burn.
- Do not wear vinyl clothing when jump-starting a vehicle. Friction can cause dangerous static-electrical sparks.
- Be extra careful to avoid dropping a metal tool onto the battery. It might spark or short-circuit the battery or another electrical part and could cause an explosion.
- Jump-start procedures should only be performed in a safe, dry, well-ventilated area.
- Always store battery clamps when not in use. Never touch battery clamps together. This can cause dangerous sparks, power arcing and/or explosion.
- When using this unit close to the vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving vehicle parts.
- Never allow red and black clamps to touch each other or another common metal conductor — this could cause damage to the unit and/or create a sparking/ explosion hazard.
  – For negative-grounded systems, connect the positive (red) clamp to the positive ungrounded battery post and the negative (black) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
  – For positive-grounded systems, connect the negative (black) clamp to the negative ungrounded battery post and the positive (red) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
- If the clamps are connected incorrectly with regard to polarity, the backlit LCD screen will display the Battery Status Icon, Battery Voltage Indicator, and the Clamp Icons. The Alarm Icon, the "+" and "–" signs and the

Reverse Polarity Icons will flash and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect the clamps and reconnect to battery with correct polarity.

- Always disconnect the negative (black) jumper cable first, followed by the positive (red) jumper cable, except for positive grounded systems.
- Do not expose battery to fire or intense heat since it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Place this unit as far away from the battery as cables permit.
- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.
- This system is designed to be used only on vehicles with a 12 volt DC battery system. Do not connect to a 6 volt or 24 volt battery system.
- This system is not designed to be used as a replacement for a vehicular battery. Do not attempt to operate a vehicle that does not have a battery installed.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Do not use this jump starter on a watercraft. It is not qualified for marine applications.
- Although this unit contains a non-spillable battery, it is recommended that unit be kept upright during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.

SPECIFIC SAFETY INSTRUCTIONS FOR INVERTERS

WARNING – TO REDUCE THE RISK OF ELECTRIC SHOCK:

- Do not connect to AC distribution wiring.
- Do not make any electrical connections or disconnections in areas designated as IGNITION PROTECTED. This inverter is NOT approved for ignition protected areas.
- Never immerse the unit in water or any other liquid, or use when wet.
- Do not insert foreign objects into the unit's AC outlet.

WARNING – TO REDUCE THE RISK OF FIRE:

- Do not operate near flammable materials, fumes or gases.
- Do not expose to extreme heat or flames.

CAUTION – TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- Disconnect appliance plug from inverter outlet before attempting any repairs to the appliance.
- When an appliance plugged into this unit is used outdoors, use only extension cords intended for use outdoors and so marked.
- Do not attempt to connect the inverter while operating your vehicle. Not paying attention to the road may result in a serious accident.
- Always use the inverter where there is adequate ventilation.

- Always turn the inverter off when not in use.
- Keep in mind that this inverter will not operate high wattage appliances or equipment that produce heat, such as hair dryers, microwave ovens and toasters.
- Do not use this inverter with medical devices. It is not tested for medical applications.
- Some laptop computers may not operate with this inverter.
- Operate inverter only as described in this Instruction Manual.

CAUTION: RECHARGEABLE DEVICES

- Certain rechargeable devices are designed to be charged by plugging them directly into an AC receptacle. These devices may damage the inverter or the charging circuit.
- When using a rechargeable device, monitor its temperature for the initial ten minutes of use to determine if it produces excessive heat.
- If excessive heat is produced, this indicates the device should not be used with this inverter.
- This problem does not occur with most of the battery-operated equipment. Most of these devices use a separate charger or transformer that is plugged into an AC receptacle.
- The inverter is capable of running most chargers and transformers

SPECIFIC SAFETY INSTRUCTIONS FOR THE USB PORTS

- Do not insert foreign objects into the USB Ports.
- Do not attach USB hubs or more than one personal electronic device to each USB Port.
- Do not use this unit to operate appliances that require more than 6.2 amps in total to operate from the USB Ports.
- Some household USB-powered electronics will not operate with this unit.

SPECIFIC SAFETY INSTRUCTIONS FOR COMPRESSORS

CAUTION – TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- Never leave the compressor unattended while in use.
- Do not operate compressor continuously for longer than approximately 10 minutes, depending on ambient temperatures, as it may overheat. This could damage the compressor. Follow the instructions in the “Portable Compressor” section.

WARNING – BURST HAZARD: Bursting articles can cause serious injury.

- Carefully follow instructions on articles to be inflated.
- Never exceed the recommended pressure listed in instructions on articles to be inflated. If no pressure is given, contact article manufacturer before inflating.
- Monitor the pressure at all times on the LCD screen.

PERSONAL SAFETY

When working with lead acid batteries, always make sure immediate assistance is available in case of accident or emergency.
Always have protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.
Avoid touching the eyes while working with a battery. Acid, acid particles or corrosion may get into the eyes.
Have plenty of fresh water and soap nearby in case battery acid contacts skin.
Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short circuit current high enough to cause a severe burn.
Be extra cautious to reduce the risk of dropping a metal object onto the battery.
This might cause sparks or short-circuit the battery or other electrical part, which can cause an explosion.

 **Warning!** Battery fluid is a diluted sulphuric acid and may cause personal injury or damage to property. In case of skin or eye contact, follow the instructions below.

- **Skin:** If battery acid comes in contact with skin, rinse immediately with water, then wash thoroughly with soap and water. If redness, pain, or irritation occurs, seek immediate medical attention.
- **Eyes:** If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.
- **LCD liquid crystal display:** If liquid crystal comes in contact with your skin:
  Wash area off completely with plenty of water. Remove contaminated clothing.
  If liquid crystal gets into your eye: Flush the affected eye with clean water and then seek medical attention. If liquid crystal is swallowed: Flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical attention.

SAVE THESE INSTRUCTIONS

INTRODUCTION

Congratulations on purchasing your new professional digital power station. Read this Instruction Manual and follow the instructions carefully before using this unit.

OVERVIEW

Common Actions and Unit Responses
The following actions turn the unit on and activate the LCD screen:

Press the LED Area Light Power Button. (Refer to the “LED Area Light” section.)	A beep will sound and the Area Light will turn on. The backlight will turn on for 10 seconds (only). The LCD screen will continue to display the Battery Status Icon and Battery Voltage Indicator. The unit remains on until the LED Area Light Power Button is pressed again to turn it off.
Press the AC Power Button. (Refer to the “120V AC Power Outlet” section.)	A beep will sound and the backlit LCD screen will display the Battery Status Icon and the Digital Display shows “AC”, indicating the AC outlet is ready to use. The unit remains on until the AC Power Button is pressed again to turn it off.
Press the USB Power Button. (Refer to the “USB Ports” section.)	A beep will sound and the USB Ports will turn on. The backlight will turn on for 10 seconds (only). The LCD screen will display the Battery Status Icon, Battery Voltage Indicator, and the USB Icon; and the USB Power/Fault Indicators will light solid blue indicating the four USB Ports are active. The unit remains on until the USB Power Button is pressed again to turn it off.
Press the Compressor Power Button. (Refer to the “Portable Compressor” section.)	A beep will sound and the backlit LCD screen will display the Battery Status Icon, “XXX” PSI and the Compressor Icon. If no further actions are taken after 1 minute, the unit will display the Battery Status Icon and Battery Voltage Indicator for 10 seconds before automatically turning off.
Whenever the clamps are properly connected to a battery (refer to the “Jump Starter” section) **…**	… a beep will sound and the backlit LCD screen will display the Battery Status Icon, Battery Voltage Indicator, the Clamp Icons, and the “+” and ”–” signs, as well as the flashing Jump Starter Icon. The unit remains on until the clamps are disconnected from the battery.
If the Jump Starter Power Switch is rotated to the on position and the clamps are not connected to a battery (refer to the “Jump Starter” section) **…**	… a two-second warning will sound every 10 seconds. The backlit LCD screen will display the Battery Status Icon, Battery Voltage Indicator, the Clamp Icons, and the “+” and ”–” signs. The Alarm Icon and the Jump Starter Icon will flash. The unit remains on until the Jump Starter Power Switch is switched off and then displays the battery status icon and the voltage of digital display for 10 seconds before automatic shut down.
If the clamp connections to the battery’s positive and negative terminals are reversed (refer to the “Jump Starter” section) **…**	… the backlit LCD screen will display the Battery Status Icon, Battery Voltage Indicator, and the Clamp Icons. The Alarm Icon, the “+” and ”–” signs and the Reverse Polarity Icons will flash and the unit will sound a warning continuously until the clamps are disconnected from the battery.
When the unit is charging or recharging using the built-in 120 Volt AC Charger (refer to the “Charging/Recharging” section) **…**	… the backlight will turn on for 10 seconds (only). The LCD screen will continue to display the Battery Status Icon and Battery Voltage Indicator. The bars on the Battery Status Icon will change from empty to solid (bottom to top) repeatedly.

Note: The unit will automatically power off once ALL the functions are turned off.

VIEWING BATTERY STATUS

The Battery Status Icon and Battery Voltage Indicator indicate the battery charge level as follows.

- If the battery charge level is at full capacity, four solid bars will display.
- If the battery is partially charged, two or three solid bars will display.
- If the battery is nearly empty, one solid bar will display. The unit should be charged at this time.
- If the battery is completely empty, four blank bars will display. The unit MUST be charged at this time or the unit's built-in low voltage protection will activate. The empty Battery Status Icon will flash for a short period of time before automatic shut down. The unit will not operate until the battery is recharged.

CHARGING/RECHARGING

This unit is delivered in a partially charged state you must fully charge it before using it for the first time. Initial AC charge should be for 40 hours or until the Battery Status Icon shows 4 solid bars.
Lead-acid batteries require routine maintenance to ensure a full charge and long battery life. All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. Therefore, batteries need periodic charging to replace energy lost through self-discharge. When the unit is not in frequent use, manufacturer recommends the battery should be recharged at least every 30 days and after each use.

CAUTION RISK OF PROPERTY DAMAGE: Failure to keep the battery charged will cause permanent damage and result in poor jump starting performance.

IMPORTANT NOTES:

- Recharging the battery after each use will prolong battery life; frequent heavy discharges between recharges and/or overcharging will reduce battery life.
- Make sure all other unit functions are turned off during recharging, as this can slow the recharging process.
- If you know the unit is discharged, but the battery icon displays four solid bars as if the unit is fully charged when connected to a charging power source, this may be due to the internal battery having high impedance. The manufacturer suggests leaving the unit charging for a period of 40 hours using the built-in AC charger before use.

Charging/Recharging Using the Built-In 120 Volt AC Charger and AC Extension Cord (may be sold separately)

1. Lift the protective cover of the built-in 120 Volt AC Charger (refer to the "Features section to locate). Connect an extension cord to the unit. Plug the other end of the cord into a standard 120-volt AC wall outlet. When the unit is properly connected to an AC power source, the LCD screen will display the following:

The bars on the Battery Status Icon represent the charge level of the unit's internal battery. The bars on the Battery Status Icon will change from empty to solid (bottom to top) repeatedly to indicate the unit is charging. The backlight will turn on for 10 seconds (only).

2. Charge for approximately 40 hours or until the Battery Status Icon shows 4 solid bars.
3. When charging is complete, unplug the AC extension cord from the AC outlet and then disconnect it from the unit.

JUMP-STARTER

This unit is equipped with a jump starter power switch that allows energy to flow only when proper connections are made to battery and frame.

A. For negative-grounded systems, connect the positive (red) clamp to the positive ungrounded battery post and the negative (black) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
B. For positive-grounded systems, connect the negative (black) clamp to the negative ungrounded battery post and the positive (red) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
IMPORTANT: Make sure the Compressor Power Button has been turned off before attempting to use the unit as a Jump Starter.

WARNING TO REDUCE THE RISK OF SERIOUS INJURY OR PROPERTY DAMAGE:

- Follow all safety instructions found in the "Specific Safety Instructions for Jump Starters" section of this instruction manual.
- Never touch red and black clamps together. This can cause dangerous sparks, power arcing, and/or explosion.
- If the clamps are connected incorrectly with regard to polarity, the unit will sound a continuous alarm until the clamps are disconnected. The backlit LCD Screen will display the Battery Status Icon, the Battery Voltage Indicator and the Clamp Icons. The "+" and "" signs above the Clamp Icons, the Arrow Icons and the Alarm Icon will flash. The backlit LCD screen will display the following:

CAUTION: The unit will suffer permanent damage if the Jump Starter Power Switch is turned on while the clamps connected with reverse polarity. Disconnect the clamps and reconnect to battery with correct polarity.

- If the Jump Starter Power Switch is turned on and the unit detects that the clamps are not connected to a battery, a two-second warning will sound every 10 seconds. The LCD screen will display the Battery Status Icon, the Battery Voltage Indicator, and the Clamp Icons with the “+” and”” signs. The Alarm Icon and the Jump Starter Icon will flash. The backlit LCD screen will display the following:

  Turn off the Jump Starter Power Switch; connect the clamps to the battery, making sure the clamps are connected with correct polarity; then turn the Jump Starter Power Switch back on.
- Always disconnect the negative (black) jumper cable first, followed by the positive (red) jumper cable, except for positive grounded systems.

Procedure

Take the following steps, observing all cautions and warnings in the “Important Safety Instructions” section at the front of this manual.

1. Turn off vehicle ignition and all accessories (radio, A/C, lights, connected cell phone chargers, etc.). Place vehicle in “park” and set the emergency brake.
2. Make sure the jump-starter power switch is in the off position.
3. Remove jumper clamps from clamp tabs. Connect the red clamp first, then the black clamp.
4. Procedure for jump-starting a NEGATIVE GROUNDED SYSTEM (negative battery terminal is connected to chassis) (MOST COMMON)
   4a. Connect positive (+) red clamp to vehicle battery’s positive terminal.
   4b. Connect negative (-) black clamp to chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to negative battery terminal or moving part. Refer to the automobile owner’s manual.
5. Procedure for jump-starting POSITIVE GROUND SYSTEMS NOTE: In the rare event that the vehicle to be started has a Positive Grounded System (positive battery terminal is connected to chassis), replace steps 4a

and 4b above with steps 5a and 5b, then proceed to step 6.

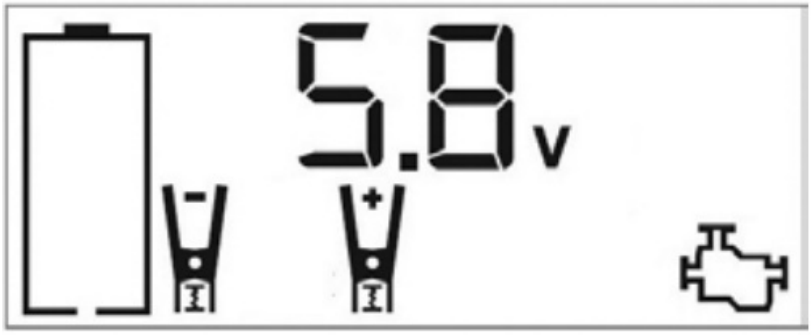
5a. Connect negative () black clamp to vehicle battery's negative terminal.

5b. Connect positive (+) red clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to positive battery terminal or moving part. Refer to the automobile owner's manual.

6. When the clamps are connected properly, the backlit LCD screen will display the following to indicate the unit is ready to jump-start:

The Battery Status icon, Battery Voltage Indicator, Clamp Icons and the "+" and "" signs light solid. The jump starter icon will flash to indicate the clamps are properly connected.

7. Turn the Jump-Starter Power Switch on. Turn on the ignition and crank the engine in 5-6 second bursts until engine starts.The backlit LCD screen will display the following:



The Battery Status Icon, the Battery Voltage Indicator, Clamp Icons and the "+" and "–" signs light solid to indicate the unit is jump-starting.

8. The Jump Starter Icon flashes. The Jump Starter Icon lights solid once the vehicle has started.
9. Turn the Jump-Starter Power Switch off.
10. Disconnect the negative (–) engine or chassis clamp first, then disconnect the positive (+) battery clamp.

IMPORTANT: Always turn the unit off when not in use. Recharge this unit fully after each use.

CAUTION TO REDUCE THE RISK OF PROPERTY DAMAGE:

- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting this type of vehicle, read the vehicle manual to confirm that external-starting assistance is advised.
- Excessive engine cranking can damage the vehicle`s starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedure and look for other problems that need to be corrected.
- If vehicle fails to start, turn off the ignition, turn off the Jump-Starter Power Switch, disconnect the jump-start system's leads and contact a qualified technician to investigate why the engine did not start.

LED AREA LIGHT

The built-in LED Area Light consists of two LEDs on of the front of the unit. It is controlled by the Area Light Power Button on the control panel (refer to the “Features” to locate).

1. Press the Area Light Power Button once to turn the light on.
2. Press the Area Light Power Button again to turn the area light off.

When the Area Light Power Button is pressed to turn it on, a beep will sound. The backlit LCD screen will turn on for 10 seconds (only) and will then continuously display the Battery Status Icon and the Battery Voltage Indicator. Periodically check the unit’s battery status on the backlit LCD screen. Four solid bars in the battery icon indicates a full battery. When the battery level is nearly empty with only one solid bar or completely empty with 4 empty bars, the unit must be recharged at this time or the unit’s built-in low voltage protection will activate. The empty Battery Status Icon will flash for a short period of time before automatic shut down.
IMPORTANT: Make sure the Area Light is turned off when the unit is being recharged or stored.

120 VOLT AC POWER OUTLET

Rated Versus Actual Current Draw of Equipment

Most electrical tools, appliances, electronic devices and audio/visual equipment have labels that indicate the power consumption in amps or watts. Be sure that the power consumption of the item to be operated is below 200 watts. If the power consumption is rated in amps AC, simply multiply by the AC volts (120) to determine the wattage.
Resistive loads are the easiest for this unit to run; however, it will not run larger resistive loads (such as electric stoves and heaters), which require far more wattage than the unit can deliver on a continuous basis. Inductive loads (such as TVs and stereos) require more current to operate than do resistive loads of the same wattage rating.

Power Inverter Output Waveform

The AC output waveform of this unit is known as a modified sine wave. It is a stepped waveform that has characteristics similar to the sine wave shape of utility power. This type of waveform is suitable for most AC loads, including linear and switching power supplies used in electronic equipment, transformers, and small motors.

Protective Features

The inverter monitors the following conditions

Low internal battery voltage	The inverter will automatically shut down when the battery voltage dro ps too low, as this can harm the battery.
High internal battery voltage	The inverter will automatically shut down when the battery voltage is t oo high, as this can harm the unit.
Thermal shutdown protection	The inverter will automatically shut down when the unit becomes over heated.
Overload/short circuit protection	The inverter will automatically shut down when an overload or short ci rcuit occurs.

IMPORTANT NOTES:
The AC Power Outlet provides a total power draw of 200W.

When the AC Power Outlet is in use, the unit will monitor for the following fault conditions: thermal fault, low and high battery voltage fault, overload and short circuit (refer to the “Protective Features” section).

1. If a low internal battery voltage fault condition exists, the AC Power Outlet will shut down automatically and the backlit LCD screen will display the following until the fault is corrected:

   The Digital Display will show “AC”; the EMPTY Battery Status Icon and Fault Icon on the LCD Screen will flash for 10 seconds before the unit automatic shut down.
2. If the high internal battery voltage fault condition exists, the AC Power Outlet will shut down automatically and the backlit LCD screen will display the following until the fault is corrected:

   The Digital Display will show “AC”; the FULL Battery Status Icon and Fault Icon on the LCD Screen will flash.
3. If a thermal, overload or short circuit fault condition exists, the AC Power Outlet will shut down automatically and the backlit LCD screen will display the following until the fault is corrected:

   The Battery Status Icon will light solid; the “AC” on the Digital Display and the Fault Icon on the LCD Screen will flash.

Should any of the above fault conditions occur:

1. Disconnect the appliance from the unit.
2. Press the AC Power Button to turn the AC Power Outlet off.
3. Make sure the unit does not need to be recharged.
4. Allow the unit to cool down for several minutes.

5. Make sure the rating of the appliance plugged into the unit is 200 watts or lower and that the appliance cord and plug are not damaged.
6. Assure there is adequate ventilation around the unit before proceeding.

Using the 120 Volt AC Outlet

The 120 Volt AC Outlet is located on the front of the unit. The outlet supports a maximum power draw of 200 watts.

1. Press the AC Power Button to turn on the 120V AC Power Outlet. A beep will sound and the LCD Screen will display the following:

   The Battery Status Icon lights solid and the Digital Display shows “”AC”, indicating the AC outlet is ready to use.
2. Insert the 120 volt AC plug from the appliance into the 120 Volt AC Outlet.
3. Switch on the appliance and operate as usual.
   Note: *Ensure that the wattage of the equipment plugged into the 120V AC Power Outlet does not exceed 200 watts continuous.*
4. Press the AC Power Button again to turn off the 120V AC Power Outlet.
   Periodically check the unit’s battery status on the backlit LCD screen. Four solid bars in the battery icon indicates a full battery. When the battery level is nearly empty with only one solid bar or completely empty with 4 empty bars, the unit must be recharged at this time or the unit’s built-in low voltage protection will activate.The empty Battery Status Icon will flash for a short period of time before automatic shut down.

IMPORTANT:

- Make sure the AC Power Outlet is turned off when the unit is being recharged or stored. ·
- The inverter will automatically shut down when the unit is switched to charging/ recharging mode.

USB PORTS

The USB Power Button and the four USB Ports are located on the front of the unit (refer to the “Features” to locate); the USB Power/Fault Indicator is a translucent ring around each of the USB Ports.

IMPORTANT NOTES:

1. The four USB Ports provide a combined total of 6.2A. The two left USB Ports provide a total of 3.1A (5V each). The two right USB Ports provide a total of 3.1A (5V each).

2. When the USB Ports are in use, the unit will monitor for the following USB fault conditions on all the USB Ports: low battery voltage fault, overload and short circuit. If a low battery voltage fault occurs, the USB Charging Ports will shut down automatically. The unit will display the Battery Voltage Indicator and the Battery Status for 10 seconds before automatically turning off. If an overload or short circuit condition exists in one of the USB Charging Ports, the USB Power/Fault Indicators will flash blue and the USB Ports will shut down automatically. The Digital Display will show the Battery Voltage Indicator, the Battery Status Icon and the USB Icon; the Fault Icon on the LCD Screen will flash. Should either of these occur:
   2a. Disconnect the USB-powered device and press the USB Power Button again to turn off the USB Ports immediately.
   2b. Make sure the unit does not need to be recharged.
   2c. Allow the unit to cool down for several minutes before attempting to use the USB Ports again.
   2d. If a fault occurs again, make sure that the total draw of all USB devices plugged into the left two USB Ports does not exceed 3.1A and/or the total draw of all USB devices plugged into the right two USB Ports does not exceed 3.1A.
   2e. If an individual USB device is within specifications and the fault occurs, have the USB device checked for malfunction and do not continue to use it with these USB Ports.
3. This unit's USB Ports do not support data communication. They only provide power to external USB-powered devices. The USB Ports provide a total of 6.2A. The two left USB Ports provide a total of 3.1A (5V each). The two right USB Ports provide a total of 3.1A (5V each).
4. Some household USB-powered electronics will not operate with this unit.

Using the USB Ports

1. Press the USB Power Button to turn on all of the USB Ports. A beep will sound, the USB Power/Fault Indicators around each of the USB Ports will light blue. The backlight will turn on for 10 seconds (only). The backlit LCD screen will continuously display the following:

   The Battery Status Icon and Battery Voltage Indicator will light solid, as well as the USB Icon, indicating the USB ports are ready to use.
2. Plug the USB-powered device into the USB power port(s) and operate normally.
3. Press the USB Power Button again to turn off the USB Ports. Periodically check the unit's battery status on the backlit LCD screen. Four solid bars in the battery icon indicates a full battery. When the battery level is nearly empty with only one solid bar or completely empty with 4 empty bars, the unit must be recharged at this time or the unit's built-in low voltage protection will activate.The empty Battery Status Icon will flash for a short period of time before automatic shut down.

IMPORTANT: Make sure the USB Ports are turned off when the unit is being recharged or stored.

PORTABLE COMPRESSOR

The built-in 12 volt DC compressor is the ultimate compressor for all vehicle tires, trailer tires and recreational inflatables. A nozzle adaptor is supplied that screws onto the end of the Sure Fit® nozzle at the free end of the compressor hose. The compressor hose with tire fitting is stored in the compressor hose storage compartment. Refer to the “Features” illustration for locations of compressor hose. The Compressor Power Button and Increase (+) and Decrease () Compressor Pressure Control Buttons are located on the control panel on the front of the unit. Before proceeding, check the unit’s battery status on the LCD screen. Four solid bars in the battery icon indicates a full battery. When the battery level is nearly empty with only one solid bar, the unit MUST be recharged before use or the unit’s built-in low voltage protection will activate.The empty Battery Status Icon will flash for a short period of time before automatic shut down. The compressor is capable of inflating up to 120 pounds per square inch (psi) pressure. The compressor can operate long enough to fill up to 3 average sized tires before the battery must be recharged. Return hose to the storage compartment after use. IMPORTANT: Make sure the Jump Starter Power Button has been turned off before attempting to use the unit as a Compressor.

WARNING TO REDUCE THE RISK OF SERIOUS INJURY OR PROPERTY

DAMAGE: Follow all safety instructions found in the “Specific Safety Instructions for Compressors” section of this instruction manual.

CAUTION TO REDUCE THE RISK OF SERIOUS INJURY OR PROPERTY

DAMAGE: When the compressor is operated at a low PSI, the unit may start in low and gradually rev up. When the compressor is operated at higher PSIs, the unit may operate normally for several minutes, then rev down for a few minutes before returning to normal operation. This feature protects the unit from overheating during normal use. In any event, do not operate compressor continuously for longer than 10 minutes, as it may overheat. This could damage the compressor. If the compressor must be operated for longer periods: every 10 minutes press the Compressor Power Button to turn the compressor off, then restart after a cooling down period of approximately 30 minutes. In any event, the compressor will automatically shut down after operating continuously for 10 minutes

Inflating Tires or Products With Valve Stems

1. Screw the Sure Fit® nozzle onto the valve stem. Do not overtighten.
2. Press the Compressor Power Button. A beep will sound and the backlit LCD screen will display the following:

   The Compressor Icon will light and the digital display will alternately show the flashing pre-set psi value (that was last set by the compressor pressure control buttons) and the current pressure of the item being inflated (which will light solid).
3. Press the “+” and “” Pressure Control Buttons to set the desired pressure from a range pre-set values (between 1 and 120), which will display on the backlit LCD screen. The unit will sound a beep with each press of the buttons (holding the button speeds up the upward or downward value selection). Once the desired pressure has been entered, release the button and the flashing digital display will show the new selected pressure, as follows:

The new selected value is now stored in the unit's memory until it is manually reset.

4. Press the Compressor Power Button once more to begin inflating. The Compressor Icon will flash and the digital display will only show the current pressure value (which will light solid) to indicate the compressor is activated. Monitor the pressure on the LCD screen.
   IMPORTANT NOTE: To interrupt during inflation, press the Compressor Power Button again.
5. When desired pre-set pressure is reached, the compressor will automatically stop.
6. Press the Compressor Power Button again to turn off the unit.
7. Unscrew and remove the Sure Fit® nozzle from the valve stem.
8. Allow the unit to cool, then recharge before storing away.
9. Store the compressor hose and Sure Fit® nozzle in storage compartment.

Inflating Other Inflatables Without Valve Stems

Inflation of other items requires use of the nozzle adapter.

1. Screw the nozzle adapter into the Sure Fit® nozzle. Do not overtighten.
2. Insert the nozzle adapter into item to be inflated.
3. Follow steps 2 through 4 of the "InflatingTires or Products With Valve Stems" section.
   IMPORTANT: Small items such as volleyballs, footballs, etc. inflate very rapidly. Keep this in mind when setting pressure.Take extra care not to over-inflate.
4. When the desired pressure is reached, the compressor will automatically stop. Press the Compressor Power Button again to turn off the unit.
5. Disconnect the adapter from the inflated item.
6. Unscrew and remove the nozzle adapter from the Sure Fit® nozzle.
7. Allow the unit to cool, then recharge before storing away.
8. Store the compressor hose, Sure Fit® nozzle and nozzle adapter in the storage compartment when not in use.

CARE AND MAINTENANCE

All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. When the unit is not in use, we recommend that the battery is charged at least every 30 days.
From time to time wipe the outside of the appliance with a soft cloth. Do not immerse the appliance in water.
There are no user-replaceable parts. Periodically inspect the condition of adapters, connectors and wires. Contact manufacturer to replace any components that have become worn or broken.

Battery

Please be advised that the battery is designed to last the service life of the unit and is not replaceable,

removable or serviceable. Service life is dependent on a number of factors including but not limited to the number of recharge cycles, and proper care and maintenance of the battery by the end user. Contact manufacturer for any information you may need.

SAFE BATTERY DISPOSAL

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required. Failure to comply with local, state and federal regulations can result in fines, or imprisonment.
Please recycle.

WARNINGS:

- Do not dispose of the battery in fire as this may result in an explosion.
- Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Do not expose battery to fire or intense heat as it may explode.

TROUBLESHOOTING

Problem	Possible Solution
Unit will not charge	• Make sure the inverter power button has been pressed to turn the inverter off . • Make sure a suitable gage extension cord is properly connected to both the u nit and a functioning AC outlet.
Unit fails to jump- start	• Make sure the unit is not being operated in the Compressor mode. • Make sure unit's jump-starter power switch is in the on position. • Make sure a proper polarity cable connection has been established. • Check that unit has a full charge. Recharge unit if necessary.

120 volt AC outlet will not power appliance	• Make sure the AC power button has been pressed to turn the inverter on. • Make sure the unit is not in charging/recharging mode. • Make sure you have followed all the steps in the “120 AC Power Outlet” secti on carefully. Refer to the important notes included in that section that explain common problems and solutions. • Make sure the appliance being powered does not draw more than 200 watts • Refer to the important notes included in that section that explain common pro blems and solutions. • Check that unit has a full charge. Recharge unit if necessary.
USB power port will not po wer appliance	• Make sure the USB power button has been pressed to turn the USB ports on . • Make sure all the USB Power/Fault Indicators light solid blue. If a fault conditi on exists in either of the USB Ports, the USB Power/Fault Indicators will flash blue. Refer to the Important Notes in the “USB Ports” section to remedy any f aults. • Make sure that the total draw of all USB devices plugged into the two left US B Ports does not exceed 3.1A and/or the total draw of all USB devices plugged into the two right USB Ports does not exceed 3.1A • Some USB-powered household electronics will not operate with this USB ch arging/power port. Check the manual of the corresponding electronic device t o confirm that it can be used with this type of USB charging/power port. • Check that unit has a full charge. Recharge unit if necessary.
LED area light does not co me on	• Make sure the area light power button has been pressed to turn the area ligh t on. • Check that unit has a full charge. Recharge unit if necessary.
Portable compressor will n ot inflate	• Make sure the unit is not being operated in the Jump Starter mode. • Make sure the compressor power button has been pressed to turn the compr essor on • Make sure the Sure Fit® nozzle connector is securely screwed on to the valv e stem when attempting to inflate tires; or that the nozzle adapter is securely screwed into the Sure Fit® nozzle connector and is inserted properly into the item to be inflated on all other inflatables. • The compressor may be overheated. Press the compressor power button to t urn the compressor off. Restart after a cooling down period of approximately 30 minutes. • Check that unit has a full charge. Recharge unit if necessary.

ACCESSORIES

Recommended accessories for use with your tool may be available from the manufacturer. If you need assistance regarding accessories, please contact the manufacturer.
WARNING: The use of any accessory not recommended for use with this appliance could be hazardous.

SERVICE INFORMATION

Whether you need technical advice, repair, or genuine factory replacement parts, contact the manufacturer.

FULL ONE-YEAR HOME USE WARRANTY

The manufacturer warrants this product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser (“Warranty Period”).
If there is a defect and a valid claim is received within the Warranty Period, the defective product can be replaced or repaired in the following ways: (1) Return the product to the manufacturer for repair or replacement at manufacturer’s option.
Proof of purchase may be required by manufacturer. (2) Return the product to the retailer where product was purchased for an exchange (provided that the store is a participating retailer). Returns to retailer should be made within the time period of the retailer’s return policy for exchanges only (usually 30 to 90 days after the sale).
Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.
This warranty does not apply to accessories, bulbs, fuses and batteries; defects resulting from normal wear and tear, accidents; damages sustained during shipping; alterations; unauthorized use or repair; neglect, misuse, abuse; and failure to follow instructions for care and maintenance for the product.
This warranty gives you, the original retail purchaser, specific legal rights and you may have other rights which vary from state to state or province to province. This product is not intended for commercial use.
Please visit www.baccusglobal.com/registration within 30 days of purchase of the product to register your product.
Baccus Global LLC, toll-free number: 1-877-571-2391.

SPECIFICATIONS

Boost Ampere:	12V DC, 1200A peak battery, 500A instantaneous
Battery Type:	Maintenance-free, sealed lead acid, 12V DC
AC Input:	120V AC, 60Hz, 12W
Area Light:	2 white LEDs
USB Ports:	5V DC each, 6.2A total (3.1A total in the two left USB Ports; 3.1A total in the two right USB Ports
AC Outlet:	120V AC, 60Hz, 200W continuous
Compressor Maximum Pressure :	120 PSI

Documents / Resources

	CAT CD1000DCP Professional 3-in-1 Power Station with Jump Starter and Compressor [pdf] Instruction Manual CD1000DCP, Professional 3-in-1 Power Station with Jump Starter and Compressor, CD1000DCP Professional 3-in-1 Power Station with Jump Starter and Compressor

References

- HOME | Baccus Global
- REGISTRATION | Baccus Global
- Welcome to Costco Wholesale
- Welcome to Costco Wholesale