JUMP n Carry®

Model No. JNC311
12V Jump Starter

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Operator's Manual

⚠WARNING

Failure to follow instructions may cause damage or explosion, always shield eyes. **Read entire instruction manual before use.**

Warning: This product contains chemicals, including lead, known to the State of California to cause cancer, birth defects and other reproductive harm.
Wash hands after handling.

We have taken numerous measures in quality control and in our manufacturing processes to ensure that your product arrives in top condition, and that it will perform to your satisfaction. In the rare event that your product contains a damaged or missing item, does not perform as specified, or requires warranty service.

This unit has a sealed lithium-based battery that should be kept at full charge. Recharge when first received, immediately after each use, and every three months if not used. Failure to perform maintenance charges may cause the battery life to be reduced.

SAFETY SUMMARY

⚠WARNING	
	Read these instructions completely before using the Jump Starter and save them for future reference. Before using the Jump Starter to jump start a car, truck, boat or to power any equipment, read these instructions and the instruction manual/safety information provided by the car, truck, boat or equipment manufacturer. Following all manufacturers' instructions and safety procedures will reduce the risk of accident.
	Working around lead-acid batteries may be dangerous. Lead-acid batteries release explosive gases during normal operation, charging and jump starting. Carefully read and follow these instructions for safe use. Always follow the specific instructions in this manual and on the Jump Starter each time you jump start using the Jump Starter. All lead-acid batteries (car, truck and boat) produce hydrogen gas which may violently explode in the presence of fire or sparks. Do not smoke, use matches or a cigarette lighter while near batteries. Do not handle the battery while wearing vinyl clothing because static electricity sparks are generated when vinyl clothing is rubbed. Review all cautionary material on the Jump Starter and in the engine compartment.
	Always wear eye protection, appropriate protective clothing and other safety equipment when working near lead-acid batteries. Do not touch eyes while working on or around lead-acid batteries.
	When not using the unit to jump start, remove and properly store output cables. Leaving clamps connected and improperly storing the unit may cause the clamps to come into contact with each other or a common conductor, causing the battery to short and generating high enough heat to ignite most materials.
	Use extreme care while working within the engine compartment, because moving parts may cause severe injury. Read and follow all safety instructions published in the vehicle's Owner's Manual.
	While the battery in the Jump Starter is a sealed unit with no free liquid acid, batteries being jump started with the Jump Starter unit likely contain liquid acids which are hazardous if spilled.

PERSONAL PRECAUTIONS

Someone should always be within range of your voice or close enough to come to your aid when you work near a lead-acid battery.

Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing or eyes. Protective eyewear should always be worn when working near lead-acid batteries.

If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.

Be extra cautious to reduce risk of dropping a metal tool onto a battery. It might spark or short circuit the battery or another electrical part that may cause explosion.

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 the like to metal, causing a severe burn.

Use the Jump Starter for jump starting *lead-acid batteries* ***only***. Do not use for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.

NEVER charge or jump start a frozen battery.

To prevent arcing, ***NEVER*** allow clamps to touch together or to contact the same piece of metal.

IMPORTANT SAFETY INSTRUCTIONS

Use of an attachment not recommended or sold by the manufacturer may result in a risk of damage to the unit or injury to personnel.

When using the wall charger or power extension cord, pull on the plug and **never on the wire** when disconnecting.

Do not recharge the Jump Starter with a damaged wall charger or power extension cord. Replace them immediately.

The Jump Starter may be used under any weather condition – rain, snow, hot or cold temperatures.

Do not submerge in water.

Do not operate with flammables such as gasoline, etc.

If the Jump Starter receives a sharp blow or is otherwise damaged in any way, have it checked by a qualified service person. If the Jump Starter is leaking battery acid, do not ship it. Take it to the closest battery recycler in your area.

Do not disassemble the Jump Starter. Have it checked by a qualified service person.

The Jump Starter should never be left in a completely discharged state for any period of time. Damage to the battery could be permanent, with poor performance as a result. When not in use recharge every three (3) months.

OPERATION AND MAINTENANCE

Jump Starter Operating and Safety Features

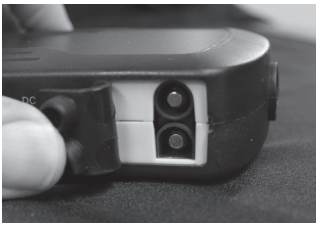
The ***Jump-N-Carry*** can serve as a vehicle jump starter when the included smart cable/ clamps are connected through the jump starting port. The safety cables included with your ***Jump-N-Carry*** incorporate a variety of features to make jump starting safer for the operator and the vehicle started. Only use the supplied safety cables with your ***Jump-N-Carry***.

The ***Jump-N-Carry*** incorporates a LED flashlight with multiple light patterns for use at night or in an emergency.

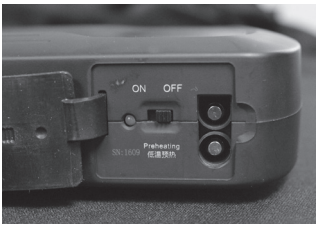
The ***Jump-N-Carry*** is an ideal power supply for powering and/or recharging small electronics connected through its USB power port. It can recharge multiple devices on a single charge. The ***Jump-N-Carry*** can also supply 12VDC power to power a variety of accessories and devices.

The ***Jump-N-Carry*** features a power status button and LCD display the unit's state of charge.

The ***Jump-N-Carry*** features a variety of safety features, including reverse polarity protection, backfeed protection, short circuit protection, over voltage protection and under voltage protection.



JNC311 Jump Starting Port



JNC318 Jump Starting Port

Flashlight

UNIT STATUS AND RECHARGING PROCEDURES

Note: Upon initial purchase, your Jump Starter should be charged for a minimum of 6 hours. The Jump Starter should be charged every three months when not in use.

Unit Status Indication

Press the Status/Power Button on the front of the unit to power the display and see the unit's state of charge. The unit's state of charge status is indicated by a graphical representation of a battery as well as a percent of charge value (e.g. 95%).

– If the unit has below 70% state of charge, it should be charged soon.
– If the unit has below 50% state of charge, it should be charged immediately.

It is recommended that the unit be at or near 100% state of charge when using as a jump starter. This will greatly improve your jump starting success.

Recharging Your Jump Starter

1. Connect the pin jack at the end of the included AC adapter cord to the jump starter through the input port marked "DC Input."
2. Connect the male end of the AC adapter to the AC outlet.
3. Using this method, the unit will be brought to full charge automatically without overcharging.

DISPOSAL INSTRUCTIONS

Contains Lithium-based battery.
Must be recycled/disposed of properly.

The battery inside your jump starter is a lithium-based battery and should be recycled or disposed of properly, as you would any electronic device containing an advanced technology battery. It is your responsibility to recycle or dispose of your jump starter in accordance with your specific local, regional and national requirements.

OPERATING INSTRUCTIONS

Used as a USB Power Supply

Your jump starter can be used to power or recharge a wide variety of small electronic devices.

1. Connect your device's charging cable to the device.
2. Connect the USB end of the charging cable into the USB port on the jump starter.
3. Press the Status/Power Button on the front of the unit to activate USB charging.

Used as a 12VDC Power Supply

Your unit can be used to power a variety of 12VDC accessories using a 12V Adapter (included with Model No. JNC318, available as an optional accessory for Model No. JNC311).

1. Connect the male plug from your 12V device to the 12V female adapter.
2. Connect the pin jack at the end of the 12V female adapter cord to the output port marked "DC Output."
3. Press the Status/Power Button on the front of the unit to activate the unit.

Used as a Flashlight

To turn on the LED Flashlight, first power the unit on by pushing the POWER/Status button. Then, press and release the light button. Successive pushes of the button will change the light pattern from solid to strobe to SOS to off.

Used as a 12 Volt Jump Starter

Note: *For optimum performance, do not store your Jump Starter below 50°F when using as a jump starter. Never charge or jump start a frozen battery.*

Note: *When using as a jump starter, it is recommended that that the unit be at or near 100% state of charge as indicated on the unit's display.*

1. Use in a well ventilated area.
2. Shield eyes. Always wear protective eyewear when working near batteries.
3. Review this instruction manual and the instruction/safety manual provided by the manufacturer of the vehicle being jump started.
4. Connect output cables/clamps to the jump starter through the covered jump starting port. Be sure that the cable connection is fully engaged and secure. Once the smart cable/clamp is connected to the unit, the status LED on the smart cable/clamp will light red.
5. Turn ignition off before making any vehicle connections.

6. Clamp the positive (red +) clamp to the positive terminal on the vehicle battery (for negative ground system), or an alternate vehicle starting point as recommended by vehicle manufacturer.

7. Clamp the negative (black, –) clamp to the a vehicle ground (unpainted portion of the chassis or non-moving metal engine part). Never connect to the fuel line, fuel injector or carburetor as the engine ground.

   Note: *Many vehicles feature alternate starting points, away from the battery. Always use the alternate starting points whenever available.*

   Note: *Make sure the cables are not in the path of moving engine parts (belts, fans, etc.).*

8. Upon making a vehicle connection, the smart cable/clamp LED will continue to light red for 3 seconds as it senses the parameters of the new connection and then should light green, indicating a proper battery connection has been made.

8a. If the Status LED on the smart cable/clamp flashes red after the vehicle connection has been made, this indicates a reverse connection. Disconnect from vehicle immediately and correct the issue.

8b. If the Status LED on the smart cable/clamp continues to light solid red after the vehicle connection has been made, this indicates that the vehicle's battery is too low to allow the unit to activate (<1.3V) or a potential shorted connection. Disconnect from vehicle and determine the cause of the issue before proceeding.

9. Model JNC318 only. This model features preheat capability to overcome the challenges of cold temperatures. When jump starting in temperatures below 0˚C (32˚F), we recommend activating this feature by turning its switch (located next to the jump starting port) on and waiting for the green preheat LED indicator to light.

10. Start the vehicle (turn on the vehicle ignition).

    Note: *If the vehicle doesn't start within 6 seconds, let the unit cool for 3 minutes before attempting to start the vehicle again or you may damage the unit.*

    Note: *During very cold conditions, the unit may not start on the first attempt. We suggest attempting to start a second or third time, as the starting attempt will warm the internal battery and improve your starting chances.*

    Note: *Do not attempt to jump start after four attempts – either the unit does not have sufficient power to start the vehicle or there is a more extensive problem with the vehicle than simply a depleted battery.*

11. When the vehicle is started, disconnect the negative (–) battery clamp from the vehicle frame.

12. Then, disconnect the positive (+) clamp.

13. Disconnect smart cables/clamps and properly store them for the next use.

TROUBLESHOOTING

Problem: I charged the unit when the % charged display indicated that the unit's charge was low, but after several hours, there is no change in status.

Answer: Suspect a faulty charger.

Problem: While charging, the % charged display indicates full charge has been reached. But, when the unit is remove from the charger and Status Button pressed, the unit appears to not be charged.

Answer: Suspect a battery problem.

QUESTIONS & ANSWERS

Question: How many jump starts can a fully charged unit provide before needing to be recharged?

Answer: 1 to 20. Factors impacting this answer are temperature, the general condition of the vehicle being jump started, the engine type and size of vehicles being jump started and more.

Question: Can the battery in the unit be replaced?

Answer: No, the battery connections inside the unit make it impossible to replace the battery.

Question: What is the ideal in-use temperature for the jump starter?

Answer: Room temperature. It will also operate at low and high temperatures, however its capacity could be reduced. For instance, high heat will increase self-discharge of the unit's battery.

Question: I have a regular 10 amp battery charger, can I use it to recharge the unit?

Answer: No, only the supplied AC adapter should be used.

Question: Is the jump starter goof proof?

Answer: No, jump starting instructions must be followed. Read and understand all safety and operating instructions in this manual and those found in the owner's manual of any vehicle being jump started before using your jump starter.

Question: How long should I charge the unit?

Answer: It should be charged for a minimum of 6 hours when new. When recharging, the unit should be charged until full charge is indicated.

Question: How often should I charge the unit?

Answer: It should be charged whenever the battery status display indicates the unit is low. Otherwise, it should be charged every 90 days.