



COMPACT PORTABLE JUMP STARTER

Thank you for selecting this quality GRIOT'S product. The **COMPACT PORTABLE JUMP STARTER** gives you the perfect balance of power to jump start a dead battery plus the portability of a compact unit. Please read and understand all instructions before using the **COMPACT PORTABLE JUMP STARTER**. Enjoy the best!

USEFUL INSTRUCTIONS

CHARGING THE PORTABLE JUMP STARTER

1. The **COMPACT PORTABLE JUMP STARTER** comes with a wall mount charger.
2. Plug the wall charger into an AC outlet.
3. Plug the charger cord into the Recharge Jack on the front of the unit.
4. The fourth LED will turn on while the charger is plugged into AC power, indicating the unit is plugged in and charging.
5. Suggested recharge times are:
 - Charge/Recharge the unit for 12 - 24 hours before using the first time or under very high discharge conditions.
 - Recharge the unit for 3 hours when the unit has been used for jump-starting.
6. Press and hold the "RED" button to check the battery charging status. When the unit is fully charged, all three LED's will light.
7. Recharge **COMPACT PORTABLE JUMP STARTER** every 3 months for at least 24 hours in the winter and every month in the summer with the built-in charger when not in use.

THE BATTERY STATUS PANEL

LED Display - Press and hold "Red" button

- | | | | |
|---|----------------|----------------------------|---|
| <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | 4 lights..... | Charging complete - | |
| <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | 3 lights..... | Fully Charged | NOTE: 4th LED only illuminates when charger is plugged in. |
| <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 2 lights..... | Medium Charge | |
| <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1 light..... | Low Charge | |
| <input checked="" type="checkbox"/> * <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Flashing | Recharge Unit | |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | Always On | when charger is plugged in | |

JUMP STARTING

1. Turn ignition off before making cable connections.
2. Do not touch RED POS (+) clamp to BLACK NEG (-) clamp. Use in a well ventilated area; wear safety glasses or goggles.
3. Connect RED POS (+) clamp to POS (+) battery terminal first.
4. Connect BLACK NEG (-) clamp to engine ground, a non-moving metal part.
5. Start vehicle **NOTE:** When jump-starting, do not use unit for more than 6 seconds without a 3 minute rest period between uses. Failure to follow instructions may cause damage or explosion; always shield eyes.
6. After starting, disconnect BLACK NEG (-) clamp first. Always return the jumper cables to their storage lugs after use.
7. Recharge after use (see charging instructions).



USING THE FLASHLIGHT

The **COMPACT PORTABLE JUMP STARTER** has a built-in flashlight providing hours of light. The portability of the unit makes it extremely useful in times of emergency, recreation and general use. To turn on the light, press the yellow button. To turn off the light, depress the yellow button. This button also powers the 12 volt outlet when the flashlight is removed.

POWERING 12-VOLT ACCESSORIES

The **COMPACT PORTABLE JUMP STARTER** features a 12 volt power outlet hidden behind the flashlight. Remove the flashlight (taking care not to misplace or damage it) to expose the 12 volt outlet. To turn on the outlet, press the yellow button. To turn off the outlet, depress the yellow button. Plug any accessory up to 12 amps into the socket and the **COMPACT PORTABLE JUMP STARTER** will provide power. If the amperage rating is exceeded, a built-in auto-reset circuit breaker automatically shuts power off until the accessory, or overload source, is removed. Under extreme power usage, recharge the unit for 36-48 hours.

PERFORMANCE AND TEMPERATURE

Performance of your **COMPACT PORTABLE JUMP STARTER** will depend upon several factors:

A good solid connection from the **COMPACT PORTABLE JUMP STARTER** clamps to the battery and the ground connections are a must. Moving the jumper cable clamps back and forth while clamping will help create a better connection. Clean connections between your vehicle's battery and the terminals are very important. Corrosion (soft grayish-white build-up) on the battery terminals must be removed. Disconnecting the battery cables and cleaning them and the battery posts with water and baking soda solution is recommended for optimal connection. All batteries are affected by temperature changes. The small, light-weight battery inside the **COMPACT PORTABLE JUMP STARTER** is more sensitive to storage temperature than a standard automotive battery. Temperatures above 68°F will improve amperage output, while temperatures below 68°F decrease amperage output. Ideal storage temperature is room temperature.

SAFETY INFORMATION

Before using the **COMPACT PORTABLE 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. Always wear eye protection and appropriate protective clothing when working near lead-acid batteries. Do not touch eyes while working on or around lead-acid batteries. Never work alone with electrical equipment. Make sure that someone is around to give assistance if you need help. Always store, use and charge the **COMPACT PORTABLE JUMP STARTER** in an area where children cannot get to the unit. The clamps of the **COMPACT PORTABLE JUMP STARTER** may cause sparks if touched together. Always keep the clamps secured around the attachment lugs to prevent sparking. The charger uses household 115 volt electrical supply which, if misused, may

cause injury or fire. Use the **COMPACT PORTABLE JUMP STARTER** on automotive type batteries only. Do not use the unit to recharge dry cell batteries. Remove jewelry such as rings, bracelets, necklaces and watches when working around a battery. An automotive type battery can produce a short circuit current, which can melt metals and result in a severe burn. Do not drop tools or other metal objects on or near the battery as a spark may result, igniting explosive gases. Do not jump-start or attempt to recharge a frozen battery. While the battery in the **COMPACT PORTABLE JUMP STARTER** is a sealed unit with no free liquid acid, batteries being charged with the **COMPACT PORTABLE JUMP STARTER** likely contain liquid acids which are hazardous if spilled. Read these instructions completely before using the product and save them for future use.

DISPOSAL

This unit contains a sealed non-spillable lead acid battery. Battery must be recycled. Consult your state or local governments concerning regulations for proper disposal.

IMPORTANT SAFETY PRECAUTIONS

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 **COMPACT PORTABLE JUMP STARTER** each time you jump-start using the **COMPACT PORTABLE 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.

TROUBLESHOOTING

Q. The **COMPACT PORTABLE JUMP STARTER** will not hold a charge?

A. Load test the battery. Charge the battery 24 hours before load testing. Connect load tester to the **COMPACT PORTABLE JUMP STARTER** grips to check battery amperage. Depending on the model of load tester your load testing procedure may vary. A generic load test would bring the voltage down to 9.0 volts and result in an amp reading of 70 amps for 6 seconds. Repeat this load test every 10 minutes for a total of three tests. If the amperage has dropped below 50 amps on the last test, suspect a bad or weak battery.

Q. What is the ideal use for the **COMPACT PORTABLE JUMP STARTER**?

A. The **COMPACT PORTABLE JUMP STARTER** performs strongly when a vehicle's battery needs an extra boost because a light or radio was left on or if a vehicle has been sitting for a long period of time. The **COMPACT PORTABLE JUMP STARTER** will start vehicles without any other batteries present but the primary use is for an extra boost.

Q. Will the **COMPACT PORTABLE JUMP STARTER** start every vehicle?

A. No. In addition to a dead battery, a car may have other mechanical problems that would prevent the **COMPACT PORTABLE JUMP STARTER** from starting the vehicle.

Q. How often should I recharge the **COMPACT PORTABLE JUMP STARTER**?

A. To maximize battery life, charging after use is recommended. The **COMPACT PORTABLE JUMP STARTER** should not be left in a discharged state. The battery in the **COMPACT PORTABLE JUMP STARTER** has no "memory problems" and should not be treated as a rechargeable tool (cordless drills, camcorders, etc.).

Q. How many jump-starts can I get from the **COMPACT PORTABLE JUMP STARTER** before recharging?

A. A large number of factors affect this answer, including the following: how long does each jump-start take, how low was the original battery, how long between jumpstarts, temperature of the vehicles being jump-started (cold winter weather makes for difficult starting), size of the engines (4 cycle, 6 cycle, etc.), mechanical condition of the engine and starter, and more. These factors all must be weighed on an individual basis before an accurate answer can be given. It's feasible to get 10-30 starts (individual's results will differ) from a single charge, but this contradicts the rule of immediate charging after use.

Q. After jump-starting, can I leave the unit hooked to the battery to recharge the **COMPACT PORTABLE JUMP STARTER** while the engine is running?

A. No. Attempting to recharge the **COMPACT PORTABLE JUMP STARTER** by this method is not recommended. Vehicle alternators output anywhere from 25 - 125 amps. This charging rate greatly exceeds the recommended recharging rate for the **COMPACT PORTABLE JUMP STARTER**. Charging by this method will result in overcharging the internal battery and may void the battery warranty.

DISCLAIMER

Griot's Garage is not responsible for any misuse of the **COMPACT PORTABLE JUMP STARTER** for any injury or damage incurred to any person or object related to the **COMPACT PORTABLE JUMP STARTER**.

ANSWERS TO YOUR QUESTIONS

Should you have any questions about the installation of the **COMPACT PORTABLE JUMP STARTER**, please call our Customer Service Department at 800-345-5789 or email to info@griotsgarage.com. For a complete selection of quality products or to receive a free Griot's Garage handbook, call us or visit online at www.griotsgarage.com.

Reorder item number 94602.

Have fun in your garage!®

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