



LITHIUM ION BATTERY

AIJS24H012A

Super Jump - Starter

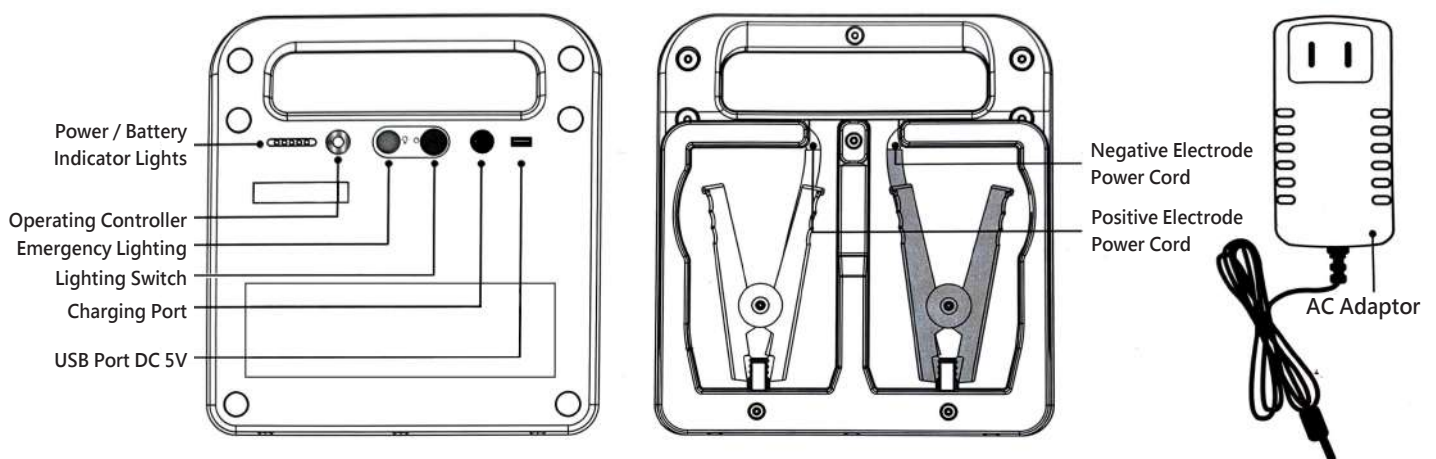
DC24V -12V AUTOSENSING



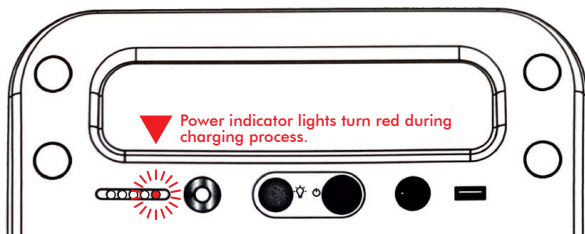
OPERATION INSTRUCTION

www.panricopro.com

Product Function



Power Indicator



Please charge Jump-Starter before using it, power indicator lights would turn red during charging process.

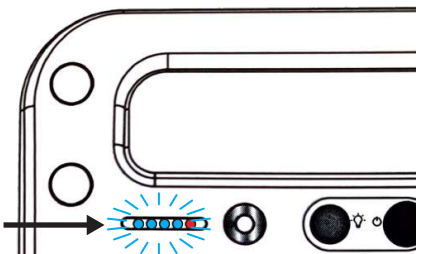
Diagram				
Indicator	1 light on	2 light on	3 light on	4 light on
Power Level	<25%	25%~50%	50%~75%	75%~100%

Standard User Guide

Step 1 - Check the Power

Check if the power of this Jump-Starter (hereinafter referred to as the device) is sufficient for use; otherwise, the device needs to be charged first. With sufficient power, the device is able to scan the vehicle battery for correct voltage application.

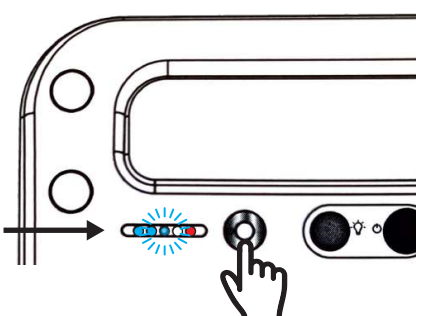
Lightly press the silver button, and 4 blue lights shall come on while fully charged.



Step 2 - Turned On Automatic Scanning Mode

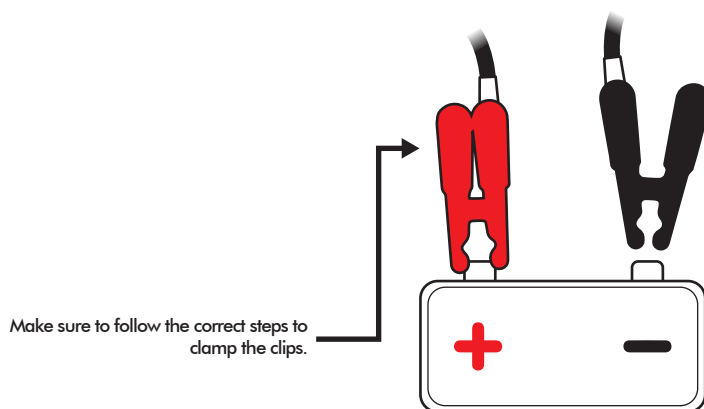
Press the silver button for about 3 seconds to enter the voltage automatic scanning mode, and then the blue scanning light appears; meanwhile, the SMART PROTECTION mode of this device shall be turned on upon this step.

Press the silver button for about 3 seconds, and then the blue scanning light appears.



Step 3 - Clip The Clamps

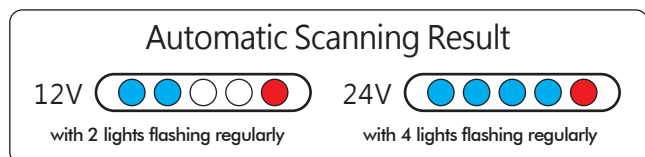
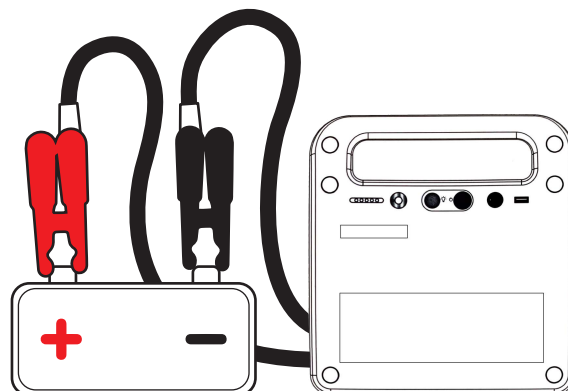
Clip RED (positive) clamp to the positive electrode of the vehicle battery first; then clip BLACK (negative) clamp to the negative electrode, as the correct order of procedure.



Step 4 - Start The Automatic Scanning Mode

With correct connection, the device automatically determines the voltage of the car battery and send out proper voltage to start your vehicle.

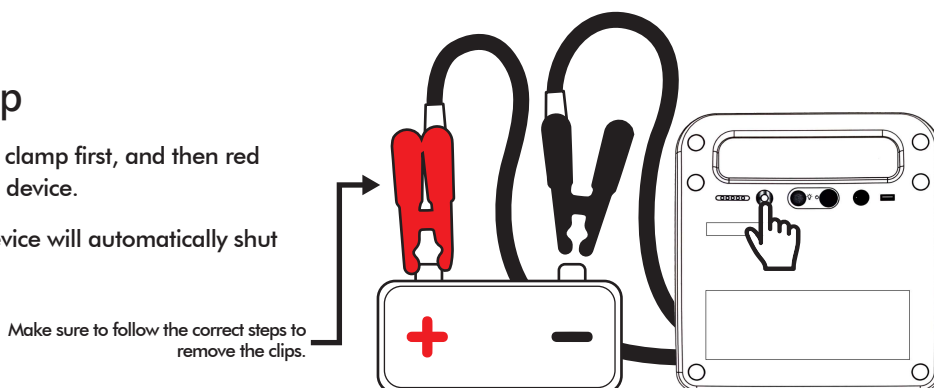
Please complete jump starting the vehicle within 1 minutes upon the voltage output; otherwise, the device automatically shuts down. You shall start from step 2 to enter the voltage automatic scanning mode.



Step 5 - Remove The Clamp

Once the car is started, remove the black clamp first, and then red one. Press the silver button to shut off the device.

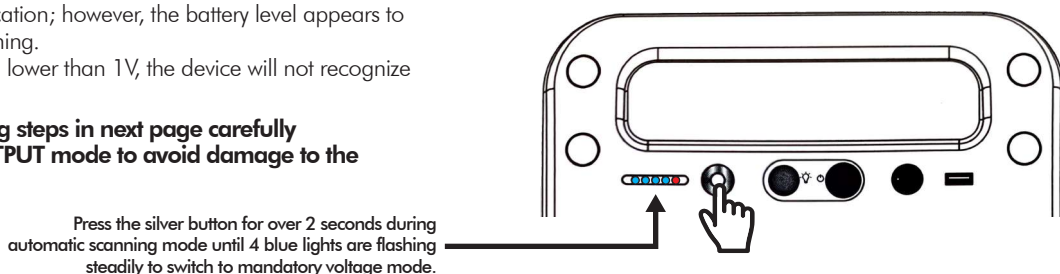
(After about 1 minute of inactivity, the device will automatically shut down)



Some Situations That Need To Use Emergency Output Mode

- If your vehicle is of 24V application; however, the battery level appears to be lower than 12V after scanning.
- If the voltage of your battery is lower than 1V, the device will not recognize the battery voltage.

Be sure to follow the following steps in next page carefully during the EMERGENCY OUTPUT mode to avoid damage to the device and your vehicle.



Warning

Once the Emergency Output mode starts, the Smart Protection mode would be disabled. Please fully comply with the following rules to avoid damage to the device and the vehicle :

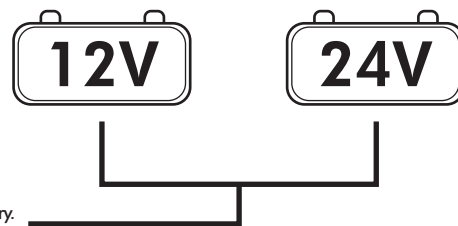
- Confirm the voltage of your vehicle battery is 12V or 24V. Wrong application causes damage to your vehicle and this device.
- Under Emergency Output mode, any connection of cable clamps of this device is completely forbidden. Flames and severe damages shall happen to this device as soon as the clamps touch each other.

Emergency Output Guide

Step 1 - Confirm The Voltage of Vehicle

First, you NEED to know the voltage of your car battery is either 12V or 24V application to use Emergency Output mode. Wrong application causes damage to your vehicle, car battery and this device.

Generally, the battery voltage will be marked on the label on the battery.
You can also measure voltage through multimeter.



Step 2 - Switch To Emergency Output Mode

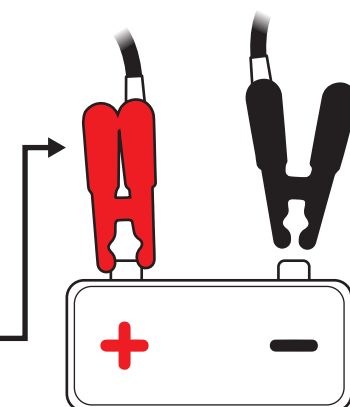
Press the silver button for 3 seconds until the blue lights starts flashing alternately, then press it again for 2 seconds until 2 blue lights remain flashing steadily to turn on 12V output mode. For 24V mode, you will then press the button for another 2 seconds until 4 blue lights flashing steadily.



Step 3 - Clip The Clamps

When the correct voltage mode is on, clip the RED clamp onto the positive electrode, and BLACK clamp follows onto the negative electrode.

NOTE: Make sure to follow the correct steps to clamp the clips. Wrong connection may causes power shortage and the damage.

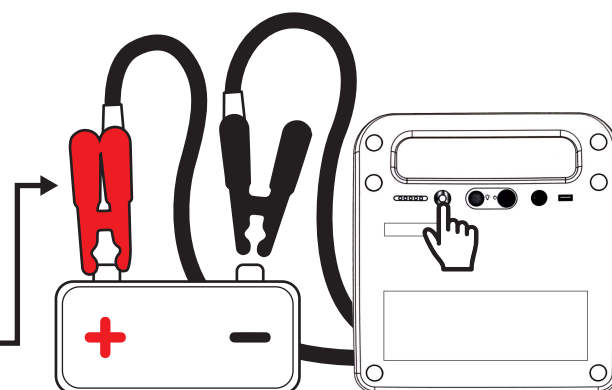


Step 4 - Remove The Clamp

Once the car is started, remove the black clamp first, and then red one. Press the silver button to shut off the device.

(After about 1 minute of inactivity, the device will automatically shut down)

Make sure to follow the correct steps to remove the clips.

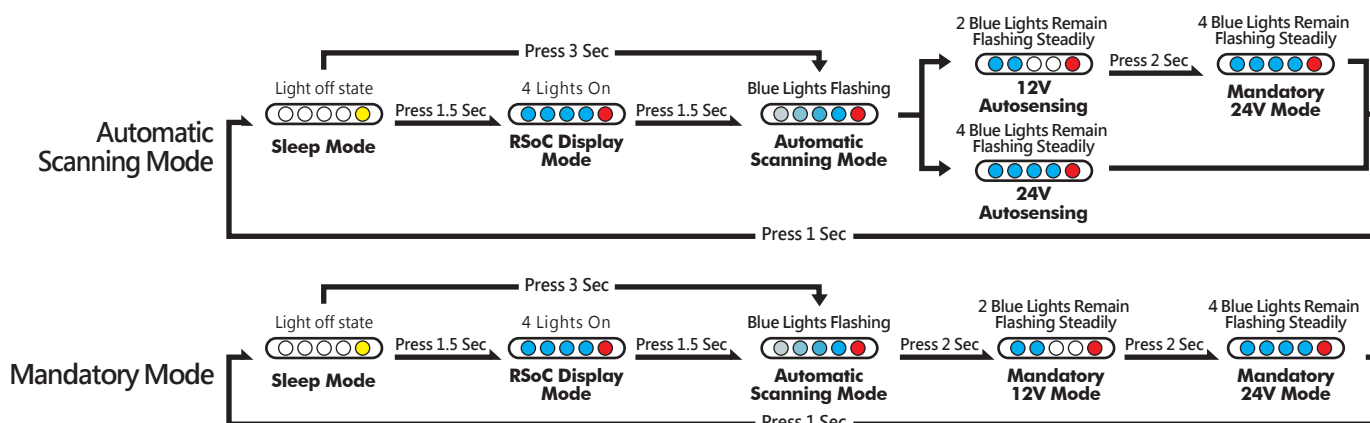


Warning

Once the Emergency Output mode has been turned on, the Smart Protection mode is disabled. Please fully comply with the following rules to avoid damage to the device and the vehicle :

- Confirm the voltage of your vehicle battery is 12V or 24V. Wrong application causes damage to your vehicle and this device.
- Under Emergency Output mode, any connection of cable clamps of this device is completely forbidden. Flames and severe damages shall happen to this device as soon as the clamps touch each other.

JP process flow diagram



Note : Before enter to intelligent Mode or Mandatory Mode, P+ & P-, should be connected to the Car Alternator.

Warning



• Precautions -

Please read all safety guidelines before using this product. Otherwise, it may cause the following consequences: electric shock, explosion, fire, which result in severe injury, or property damage.



• Electric shock -

This product is an electrical appliance. If used improperly, it may cause electric shock and lead to severe injury. Do not cut the power cord. Do not wet or immerse the product in water.



• Fail -

The use of this product on unsupervised, incompatible, or damaged batteries may cause a fail. Someone must be around when using this product. Do not try to start a damaged or frozen battery. This product can only be used on batteries with recommended voltages. Please use this product in a well-ventilated place.



• Fire -

This product is an electrical appliance that can generate high heat and may cause burns. Do not cover this product with any objects. When using this product, do not approach any spark or flame source. Do not place this product nearby any flammable material.



• Eye Injury -

When operating this product, please wear safety goggles. Once the battery explodes, the fragments may splash around. The liquid from the car battery irritates the eyes and skin. In case it is carelessly brought into the contact with the eyes and/or skin, please immediately rinse the contact with clean running water emergency medical care center for cure.

Product Guarantee and Disclaimers

- This product provides a one-year warranty effective from the date of purchase (hereinafter referred to as the warranty period) to ensure that the material and production of this product are free from defects. If defects are found during the warranty period, the company will take the technical support analysis results to determine the repair or exchange of defective products. The exchanged parts and products will be new or usable second-hand products that are equivalent in function and performance to the original parts. The exchanged parts and products remain valid until the warranty period expires.
- The company's legal liability is clearly limited to approved exchange or repair. To extend the full permission from law, the purchaser of this product or a third party for any particular indirect consequential or punitive damages, including but not limited to, any loss of profit, property damage or personal injury related to the product, no matter what the cause is. Even if the company is aware of the possibility of the above-mentioned losses the company is not responsible for compensation(s). This guarantee replaces and excludes all other express, implied, statutory or other guarantees, including but not limited to implied guarantees of marketability and suitability for special purposes as well as guarantees accompanying the transaction process, customary or industry practices. If any applicable law imposes guarantees, conditions or obligations that cannot be excluded or changed, the content of this paragraph will be applied to the maximum extent permitted by the law. This limited warranty is only applicable to the original purchaser who purchased this product from the company or a distributor or wholesaler approved by the company, and cannot be sublicensed or transferred.
- The original purchaser must be responsible (prepaid at the same time) for all packaging and shipping cost for returning the product for the warranty services.
- If the product has the following conditions, this limited warranty will be invalid and no longer applicable, including: (a) misuse, improper handling, abuse or careless use, accident, improper storage method, or extreme conditions out of the safe and effective using conditions recommended by the company instructions under voltage, temperature, shock, or vibration; (b) the products have been improperly installed, operated or repaired; (c) modified without the company's letter of authorization; (d) disassembled, altered, or repaired by another person who is out of our company; (e) Product defects occur after the warranty period.
- This limited warranty does not include: (a) normal wear and tear, (b) surface damage that does not affect performance, and (c) in the event that product serial number is missing, altered, or damaged.
- The company reserves the right to decide whether damage is covered or not under the warranty policies.

Warranty Description

- A. This product comes with one-year free after-sales service certificate. aka warranty card, and the said card must be attached when for repairs under the valid warranty period. we offers free warranty service for defects caused by non-human factors. When the warranty expires, repairs shall be at customer's cost.
- B. During the warranty period, the company provides free maintenance services, but if the defect is found and determined to occur upon misconduct or misuses after testing, the company may charge material costs and maintenance fees. Such discretion can be the following circumstances:
- (a) When it is not used in accordance with the operating guidelines of the manual
 - (b) Unauthorized disassembly, change of appearance or modification
 - (c) A malfunction occurs due to natural disasters such as flood, wind, fire, earthquake, or lightning strike.
 - (d) Failure or damages caused by immersion, moisture, corrosion, etc.
 - (e) Falling, pressing, or pulling from external force, causing damage to the appearance;
- C. In the following circumstances, the company will charge the repair expense according to the price.
- (a) Invalid warranty period.
 - (b) Failure to present this warranty card.
 - (c) The records on this warranty card are vague, unrecognizable or altered.
 - (d) This warranty card is not stamped with the dealer's shop stamp, and there is no purchase date.
- D. If the warranty card is lost, it will not be reissued. Please keep it properly.
- E. Maintenance: Please send (return) the device to the dealer. (Please pack it properly to avoid damage.)



SPEC

Battery	Lithium Iron phosphate(120W/h)
Operating Temp.	-20°C~65°C
Charging Temp.	-10°C~45°C
Storage Temp.	-20°C~55°C

USB output	5V / 2A
Charge voltage	14.4v 2A
Output voltage	12V / 24V
Size(L*W*H)	280 x 260 x 115 (mm)
Weight	3.4kg



WARRANTY / CARD

Customer: _____

Address: _____

Phone: _____

Fax: _____

Purchase Date: _____

Vendor Stamp:

Golden Root Co., Ltd.

No.10, Lane 304, Sec. 1, Chien Kuo S. Rd., Taipei 10656, Taiwan

Tel: 886-2-2702 2266 Fax: 886-2-2705 4819

E-mail: info@golden-root.com.tw

<http://www.panricopro.com>