

JC-2500

Quick Guide



Power button

Single click: Wake up the device; Long press for 3 seconds: Activate low-temperature preheating function.



Preheating key

Long press and hold this key for 3 seconds to activate (or deactivate) the low-temp preheating function.



Mode switch

Short press: Toggle the air pressure unit. Long press for 3s and release: Switch inflation target modes (automobile, motorcycle, bicycle, inflatable ball).



Inflation

Single click: Enter the inflation mode, adjust the preset value, and single click again to start inflation:



Tire Pressure Increase Key

【+ Key】 Increase preset auto-stop inflation pressure.



Tire Pressure Decrease Key

【- Key】 Decrease preset auto-stop inflation pressure.

Warm Tips:

Voltage fluctuation during use is a normal phenomenon. Leave the device idle for 5 minutes without any operation to get the real voltage (static voltage).

Introduction to Basic Functions



Powerful Jump Starting

1. Confirm the unit has sufficient remaining charge.
2. Connect the battery clamps to the dead vehicle battery terminals: red = positive (+), black = negative (-). Do **NOT** reverse polarity.
3. Plug the blue connector of the clamp cable fully into the DO port on the main unit.
4. Return to the vehicle and start the engine normally.

Notes: In winter, it is recommended to turn on the preheating function first and wait for it to stop automatically before connecting to the vehicle for starting, which is better for the starting effect and battery life.



Reverse Auto-Charging

After the vehicle is started, there is no need to remove the jump starter immediately. Wait for about two minutes after the voltage is higher than 13.5V, and the power consumed during ignition will be replenished. Notes: If the voltage is higher than 14.2V, reverse auto-charging should be stopped immediately, which indicates that the vehicle's idle voltage is too high and should be repaired in time.



Tire Inflation

After turning on the device, first adjust the air pressure to the required value through the [increase/decrease tire pressure] keys, then press the ["Inflate" key] to start inflation. When the air pressure reaches the preset value, inflation will stop automatically. The default preset tire pressure value after startup is 2.50 bar, and most vehicles can be inflated directly without setting the tire pressure value first.



Low-Temp Preheating

Improve battery activity, reduce low-temperature battery attenuation, and enable powerful jump starting in winter.

Method of Using Jump Start Function



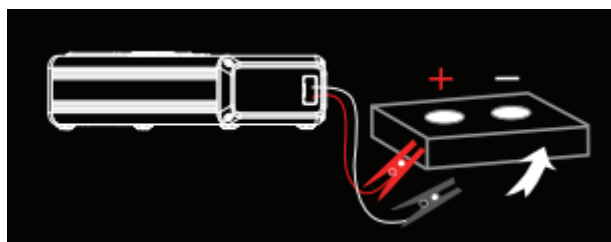
1. Confirm that the power is not less than two bars before starting the vehicle.



2. Long press the key to turn on and activate the preheating function. When the small flame icon on the screen stops flashing, it means heating is completed.

(The vehicle can be started without preheating, but it is recommended not to omit this step)

3. Insert the plug into the DO port (make sure it is fully inserted), clamp the red clamp to the positive terminal and the black clamp to the negative terminal, do not reverse the clamps polarity.

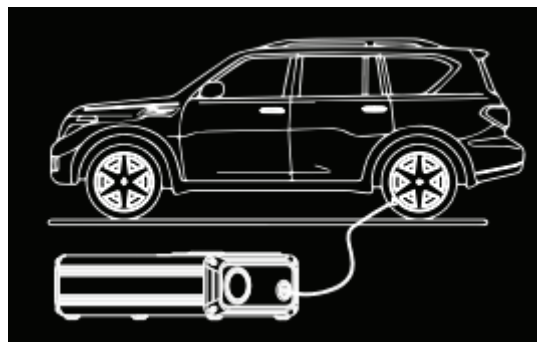


4. Return to the vehicle and start the engine normally.



Notes: After the vehicle is started, wait until the voltage is higher than 13.5V, then wait for another 2-3 minutes. The vehicle alternator will recharge the jump starter to restore the power drained during engine cranking.

Method of Using Inflation Function



1. Screw the air tube properly and connect it to the tire.



2. Press the "+" and "-" keys to adjust the preset pressure value.



3. Lock the air nozzle and press the "Inflate" key to start inflation.

4. Inflation will stop automatically when the preset pressure is reached. Loosen the air nozzle and store it properly.

Notes: This product can inflate road racing bicycle tires and small-capacity high-pressure gas cylinders to about 10bar, but long-term inflation of car tires with pressure above 5Bar is not recommended. Do **NOT** inflate truck tires! Inflator will stop automatically after working continuously for 10 minutes. It needs to be cooled for 10 minutes before being used again to avoid damage to the pump core due to high temperature.

LED Flashlight Operation



- Double click the **power** button to turn on the light
- Triple click the **power** button to activate the rescue SOS function
- Single click the **power** button to turn off the light

Frequently Asked Questions

How long can it be stored on a full charge for standby?

When fully charged, the unit can be stored for up to 2 years while retaining power. To maintain battery health, we recommend performing at least one full charge-discharge cycle every 6 months.

Important: Do **NOT** store the unit in a low-charge state. Please charge it immediately when the low-voltage alarm is activated.

Is it necessary to preheat before jump-starting?

Yes, most vehicles can be jump started without preheating, but before high-current discharge, especially in low-temperature environments, preheating and activating the battery pack to the ideal operating temperature (about 45°C) before jump starting the vehicle will effectively prevent the battery pack from instant over-discharge. Compared with jump starters without preheating function, its starting effect and durability will be significantly better.

Principles and precautions for reverse auto-charging

After the car engine is started, it will drive the alternator to operate and generate electricity. If the jump starter remains connected in parallel with the vehicle battery during this time, the alternator will charge both the vehicle battery and the jump starter.

Important: If the voltage exceeds 14.2V during reverse auto-charging, disconnect the jump starter immediately. This indicates the vehicle's idle voltage is too high, and the vehicle should be inspected by a professional as soon as possible.

Why does the voltage drop during use? How to get the accurate battery level?

When the battery is outputting power (discharging), the voltage will be pulled down, meaning a virtual voltage appears. When the output stops, the virtual voltage will fade gradually, and the real voltage value (i.e. steady-state voltage) will be restored after about three minutes. At this time, the power level displayed by the indicator bar reflects the accurate remaining battery capacity.

Precautions

1. **NEVER** intentionally short-circuit the positive and negative clamps, reverse the connection, or use the unit as a permanent vehicle battery.
2. Ensure the vehicle battery voltage is above 13.0V before jump starting the vehicle.
3. Do **NOT** attempt a single jump start for longer than 5 seconds. If the first attempt fails, wait 15 seconds before retrying.
4. During reverse auto-charging, do **NOT** rev the engine, and only allow the engine to run at idle speed.
5. Before jump starting, make sure the terminals are tightened and the clamps are in good contact with the poles .
6. When inflating tires, the gas will be compressed and generate heat energy (the heat comes from the gas rather than the pump core), which will cause the nozzle and hose to heat up. If the high-temperature protection is triggered and inflation stops automatically, it needs to be cooled for about 10 minutes before it can work again.
7. Do **NOT** use it near water sources, in humid, flammable and explosive environments, or near high-temperature heat sources.

WARNING: This product is **NOT** intended for use as a vehicle's main battery