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Groove HCB002

GROOVE HCB002 Multi-Function Jump Starter & Tire Inflator User Manual

Model: HCB002 | 22000mAh 2500A Peak Current

1. PRODUCT OVERVIEW

The GROOVE HCB002 is an essential multi-purpose device for automotive emergencies and daily convenience. It combines a powerful jump starter, a high-performance tire inflator, a portable power bank, and an emergency LED light, all in one compact unit. Its robust design and intelligent features ensure reliable operation in various conditions.

Key Features:

- **High Capacity Jump Starter:** 22000mAh battery with 2500A peak current, capable of starting up to 8.5L gasoline and 8.0L diesel engines.
- **Integrated Tire Inflator:** Built-in air compressor with up to 150 PSI pressure, suitable for car tires, motorcycles, bicycles, and sports equipment. Features intelligent pressure detection and preset modes.
- **Portable Power Bank:** 81.4Wh capacity with USB-C and USB-A outputs to charge smartphones, tablets, laptops, and other electronic devices.
- **Multi-mode LED Light:** Includes flashlight, strobe, and SOS modes for emergency illumination.
- **Advanced Safety Protections:** Equipped with reverse polarity, overcharge, spark-proof, high/low temperature, over-inflation, short circuit, and pressure detection safeguards.
- **Long Standby Time:** Maintains charge for up to 365 days on a full charge.



Image 1.1: The GROOVE HCB002 device with its jump starter clamps and tire inflation hose, showcasing its multi-functional design.

2. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present and in good condition:

- GROOVE HCB002 Jump Starter & Tire Inflator Unit
- Smart Jump Cables with Clamps
- Air Hose with Threaded Connector
- Various Nozzle Adapters (for balls, bicycles, etc.)
- USB-C Charging Cable
- Storage Case
- User Manual

3. SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Do not expose the device to rain or wet conditions.

- Do not operate the device if it has been dropped or damaged.
- Keep out of reach of children.
- Ensure proper polarity when connecting jump cables to the vehicle battery. Reverse polarity can cause damage.
- Do not jump start a frozen battery.
- Do not over-inflate tires. Always refer to the vehicle or tire manufacturer's recommended pressure.
- Avoid prolonged operation of the air compressor to prevent overheating. Allow for cool-down periods.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.



Image 3.1: Visual representation of the advanced protection features, including reverse polarity, overcharge, spark-proof, high/low temperature, over-inflation, short circuit, and pressure detection.

4. SETUP

Before first use, fully charge the GROOVE HCB002 unit. Connect the provided USB-C charging cable to the device's input port and a suitable USB power adapter (not included). The LCD screen will indicate the charging status.

- **Initial Charge:** Charge the device until the battery indicator shows full. This may take several hours.
- **Accessory Connection:** Familiarize yourself with the connection points for the jump cables and air hose.

5. OPERATING INSTRUCTIONS

5.1. Using as a Jump Starter

Use this function to start vehicles with a dead battery.

1. Ensure the jump starter unit has sufficient charge (at least 50%).
2. Connect the smart jump cables to the jump starter unit.
3. Connect the **RED (+)** clamp to the positive terminal of the vehicle battery.

4. Connect the **BLACK (-)** clamp to the negative terminal of the vehicle battery or a solid metal part of the engine block (away from the battery).
5. Ensure the indicator light on the smart cable is green. If it's red or flashing, check connections.
6. Start the vehicle's engine.
7. Once the engine starts, immediately disconnect the clamps from the vehicle battery (first BLACK, then RED), then disconnect the cables from the jump starter unit.



Image 5.1: Visual instructions for connecting the jump starter cables and starting a vehicle, along with steps for tire inflation.

5.2. Using as a Tire Inflator

Inflate tires and other inflatables to the desired pressure.

1. Screw the air hose onto the inflation port of the unit.
2. Attach the other end of the air hose to the tire valve stem. Ensure a secure connection.
3. The LCD screen will display the current tire pressure.
4. Press the 'M' button to select the desired inflation mode (car, motorcycle, bicycle, ball).
5. Use the '+' and '-' buttons to set the target pressure.
6. Press the 'OK' button to start inflation. The compressor will automatically stop when the target pressure is reached.
7. Disconnect the air hose from the tire valve and then from the unit.

ULTRA YÜKSEK PERFORMANSLI BAŞLATMA KABİLİYETİ

8.5L
BENZİN

8.0L
DİZEL

12
VOLT

TAM ŞARJDA
365 GÜN BEKLEME



8.5L **8.0L** **6.2L** **3.0L** **1.5L**

Image 5.2: The GROOVE HCB002 displaying its smart tire inflation feature with a maximum pressure of 150 PSI, suitable for various tire types.

5.3. Using as a Power Bank

The HCB002 can charge your electronic devices on the go.

- Connect your device's charging cable to the USB-A or USB-C output port on the HCB002.
- The HCB002 will automatically begin charging your device.

ACİL DURUM LED IŞIK



Image 5.3: The GROOVE HCB002 connected to a smartphone, demonstrating its power bank functionality.

5.4. LED Light Functions

The built-in LED light provides illumination for various situations.

- **Flashlight Mode:** Press and hold the light button to turn on the steady flashlight.
- **Strobe Mode:** Press the light button again to switch to strobe mode.
- **SOS Mode:** Press the light button a third time for SOS signaling.
- Press the light button again to turn off the light.

ULTRA GÜÇ BANKASI BÜYÜK KAPASİTE 81.4WH



Image 5.4: The GROOVE HCB002's LED light demonstrating its SOS signaling capability.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your GROOVE HCB002.

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the device in its carrying case in a cool, dry place when not in use. Avoid extreme temperatures.
- **Battery Care:** For optimal battery life, recharge the unit every 3-6 months, even if not used, to maintain battery health.

7. TROUBLESHOOTING

If you encounter issues with your GROOVE HCB002, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Device not turning on	Low battery; Device malfunction	Charge the device fully; Contact customer support
Vehicle not starting	Incorrect cable connection; Battery too deeply discharged; Vehicle issue	Ensure correct polarity (+ to +, - to -); Recharge the jump starter; Consult a mechanic if vehicle issues persist
Tire not inflating	Air hose not securely connected; Incorrect pressure setting; Compressor overheating	Check hose connection to valve and unit; Verify target pressure; Allow compressor to cool down
Power bank not charging devices	Low battery; Incompatible cable/device	Charge the device fully; Try a different charging cable or device

8. SPECIFICATIONS

Feature	Specification
Model	HCB002
Battery Capacity	22000mAh
Peak Current	2500A
Starting Capacity (Gasoline)	Up to 8.5L
Starting Capacity (Diesel)	Up to 8.0L
Max Air Pressure	150 PSI
Power Bank Output	USB-A, USB-C
Operating Temperature	-20°C to 60°C
Dimensions	29 x 17.9 x 11.7 cm (approx.)
Weight	1.44 kg (approx.)

9. WARRANTY AND SUPPORT

GROOVE products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included in your package or contact the seller directly through the platform where you purchased the product. Please have your model number (HCB002) and purchase details ready when contacting support.

