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> UTRAI Jstar 6 Portable Jump Starter and Air Compressor User Manual

UTRAI JS6

UTRAI Jstar 6 Portable Jump Starter and Air Compressor User Manual

Model: JS6

1. PRODUCT OVERVIEW

The UTRAI Jstar 6 is a versatile 4-in-1 device designed to provide emergency power for vehicles and inflate tires. It functions as a jump starter, an air compressor, a power bank, and an emergency LED light. This manual provides essential information for safe and effective use of your device.



Image 1.1: The UTRAI Jstar 6 is suitable for various 12V vehicles including cars, lawnmowers, motorbikes, and boats.

2. SAFETY INSTRUCTIONS

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

- Always wear eye protection when jump starting a battery.
- Do not short-circuit the jump starter clamps. Ensure positive (+) and negative (-) clamps do not touch each other.
- Do not expose the device to rain or wet conditions.
- Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep the device out of reach of children.
- Ensure proper ventilation when operating the air compressor for extended periods to prevent overheating.
- Do not attempt to jump start a frozen battery.
- If the device becomes excessively hot during use, discontinue use immediately and allow it to cool down.
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS AND SETUP

3.1 Package Contents

Before first use, please check that all items are present:

- UTRAI Jstar 6 Jump Starter and Air Compressor Unit
- Smart Battery Clamps
- Air Hose
- USB to DC Charging Cable
- Valve Adapters (x3)
- Car Cigarette Lighter Adapter
- Storage Case
- User Manual

3.2 Initial Charging

It is recommended to fully charge the UTRAI Jstar 6 before its first use. Use a 5V/3A charging adapter (not included, typically a mobile phone charger) with the provided USB to DC charging cable. The LCD screen will indicate the charging status and battery level.

4. OPERATING INSTRUCTIONS

4.1 Jump Starting a Vehicle

1. **Insert the Jump Cable:** Connect the smart battery clamps cable into the jump starter's ECS port.
2. **Connect Clamps:** Attach the red (+) clamp to the positive terminal of the vehicle battery and the black (-) clamp to the negative terminal. Ensure a secure connection.
3. **Start Vehicle:** Once the clamps are correctly connected and the indicator light on the smart clamps is green, start your vehicle's engine.
4. **Remove Clamps:** After the vehicle starts, immediately remove the clamps from the car battery, then disconnect the cable from the jump starter.

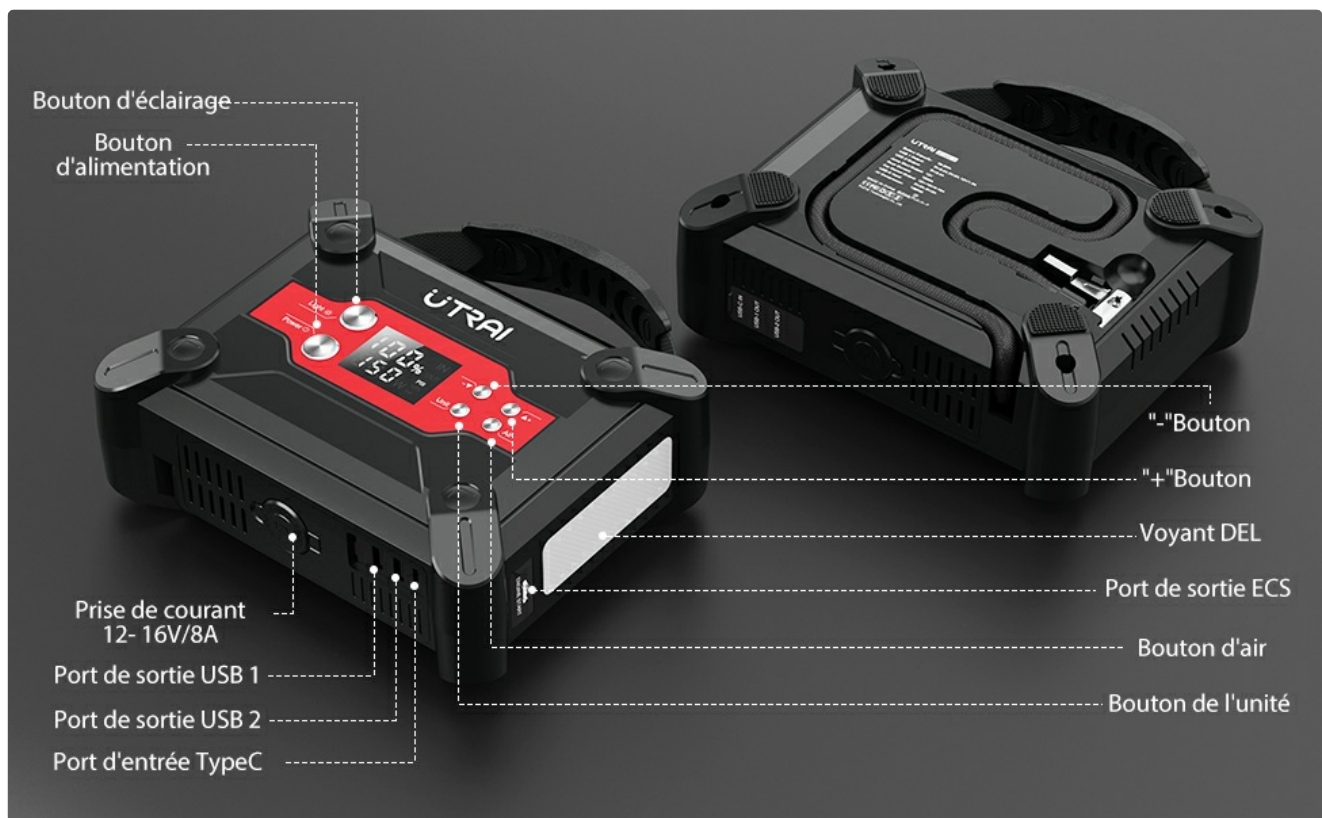


Image 4.1: The UTRAI Jstar 6 connected to a car battery for jump starting, showing the smart clamps.



Image 4.2: Visual guide for the jump starting process, from connecting the cable to removing the clamps.

4.2 Using the Air Compressor

1. **Retrieve Air Hose:** Take out the air hose from the emergency starter.
2. **Set Pressure and Unit:** Turn on the device and set the desired pressure using the '+' and '-' buttons. Select the appropriate unit (PSI, KPA, Bar) using the 'Unit' button.
3. **Connect Air Hose:** Connect the air hose to the tire valve or other inflatable item.

4. **Start Inflation:** Long press the 'AIR' button to begin inflation. The compressor will automatically stop once the preset pressure is reached.



Image 4.3: The UTRAI Jstar 6 inflating a car tire, demonstrating the automatic stop feature when the preset pressure is reached.



Image 4.4: Visual guide for the tire inflation process, including connecting the hose and setting pressure.

4.3 Using as a Power Bank

The UTRAI Jstar 6 features two USB output ports and a 12-16.7V/8A DC output port to charge your electronic devices.

- **USB Output:** Connect your smartphone, tablet, or other USB-powered devices to the USB1 or USB2 ports using a compatible charging cable.
- **DC Output:** Use the integrated cigarette lighter socket (12-16.7V/8A) to power compatible 12V devices such as car vacuum cleaners, telescopes, or cameras.

4.4 Using the Emergency LED Light

The device is equipped with a bright LED light for emergency situations or nighttime use.

- Press the 'Light' button to turn on the LED light.
- Press the 'Light' button again to cycle through different lighting modes (e.g., steady, strobe, SOS).
- Press and hold the 'Light' button to turn off the LED light.



Image 4.5: The UTRAI Jstar 6's emergency LED light provides illumination for nighttime operations.

5. MAINTENANCE

5.1 Charging and Storage

- To maintain battery health, fully charge the device every 3-6 months, even if not in use.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.

5.2 Cooling System

The UTRAI Jstar 6 features an advanced cooling fan system to prevent overheating, especially during prolonged air compressor use.



Image 5.1: The internal cooling system helps dissipate heat during operation, especially when using the air compressor.

Warning: Continuous inflation may cause the pumping hose temperature to reach up to 176°F (80°C). Do not touch it before it cools down.

6. TROUBLESHOOTING

If you encounter issues with your UTRAI Jstar 6, please refer to the following common problems and solutions:

- **Device not turning on:** Ensure the device is charged. If the battery is completely depleted, it may take a few minutes of charging before it responds.
- **Device not charging:** Check the charging cable and adapter. Ensure they are properly connected and the power source is active. Use a 5V/3A adapter.
- **Vehicle not jump starting:**
 - Ensure the smart clamps are securely connected to the correct battery terminals (red to positive, black to negative).
 - Check the indicator light on the smart clamps; it should be green. If it's red or flashing, refer to the smart clamp's specific error codes (if any) or re-check connections.
 - The vehicle battery might be severely discharged. Allow the jump starter to connect for a minute before attempting to start.
 - Ensure the jump starter has sufficient charge.
- **Air compressor not inflating:**
 - Check that the air hose is securely connected to both the device and the tire valve.
 - Ensure the desired pressure is set and the 'AIR' button is pressed and held to start.
 - Verify the device has enough battery charge.

7. SPECIFICATIONS

Feature	Specification
Model Number	JS6
Peak Current	1800A
Voltage	12 Volts
Battery Type	Lithium Polymer
Air Compressor Pressure	Up to 120 PSI
Engine Compatibility (Gasoline)	Up to 6.5L
Engine Compatibility (Diesel)	Up to 8.0L
DC Output	12-16.7V / 8A
Dimensions	35.1 x 33.29 x 13.1 cm
Weight	2.34 kg

8. WARRANTY AND SUPPORT

UTRAI provides the following support for the Jstar 6:

- **Warranty:** 12-month warranty from the date of purchase.
- **Return Policy:** 30-day return policy.
- **Customer Support:** 24/7 online service. Please contact us via the brand's support channels for assistance.

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