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AIMAPOW A40

AIMAPOW Jump Starter with Air Compressor (Model A40)

User Manual

1. Introduction

Thank you for purchasing the AIMAPOW Jump Starter with Air Compressor. This device is a multi-functional tool designed for vehicle emergencies, tire maintenance, and portable power needs. It features an 8000A peak current for jump-starting, a 160PSI air compressor for tire inflation, a 27000mAh power bank, and an LED flashlight. Please read this manual carefully before use to ensure safe and proper operation.

2. Important Safety Instructions

- **Read All Instructions:** Before using this product, read all instructions and cautionary markings.
- **Keep Away from Children:** This device is not a toy. Keep it out of reach of children.
- **Proper Ventilation:** Use in a well-ventilated area. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Avoid Short Circuits:** Do not allow the red and black clamps to touch each other or the same metal object.
- **Correct Polarity:** Always connect the clamps to the correct battery terminals (red to positive, black to negative). Incorrect connection can damage the device and the vehicle.
- **Do Not Submerge:** Do not expose the device to rain or water.
- **Temperature Limits:** Do not store or use the device in temperatures exceeding 60°C (140°F) or below -20°C (-4°F).
- **Charging:** Recharge the device only with the provided USB-C cable.
- **Damaged Device:** Do not operate the device if it is damaged, dropped, or has a damaged cable or housing. Contact customer support.
- **Forced Start Mode:** When using the forced start function, automatic detection and safety protections are disabled. Use with extreme caution.

3. Package Contents

Please check the package for the following items:

- AIMAPOW Jump Starter (Model A40)
- Smart Jumper Cables (with clamps)
- Detachable Air Hose
- Air Nozzles (4 types)
- USB-C Fast Charging Cable
- User Manual
- Durable Carrying Case



Image: All items included in the AIMAPOW Jump Starter package, neatly arranged in the carrying case.

4. Product Overview

Familiarize yourself with the main components of your AIMAPOW Jump Starter:

- **Large Smart Screen:** Displays battery level, air pressure, inflation mode, and real-time data.
- **Control Buttons:** Power, Mode (M), OK, Increase (+), Decrease (-).
- **Jump Start Port:** For connecting smart jumper cables.
- **Air Hose Port:** For connecting the detachable air hose.
- **USB Output Ports (USB1, USB2):** For charging external devices.
- **USB-C Input Port:** For charging the jump starter itself.
- **LED Flashlight:** Multi-mode light (Steady, Strobe, SOS).
- **Forced Start Button (RST):** On the smart jumper cable connector.



Image: Close-up of the device's large smart screen showing battery status, air pressure, and various icons for different modes.

5. Charging the Jump Starter

Before first use, fully charge the AIMAPOW Jump Starter. It is recommended to recharge the device every 3-6 months to maintain battery health, even if not used.

1. Connect the provided USB-C charging cable to the USB-C input port on the jump starter.
2. Connect the other end of the USB-C cable to a USB wall adapter (not included) or a powered USB port.
3. The screen will indicate charging status. The battery icon will show segments filling up.
4. Charging is complete when the battery icon shows full.

6. Jump-Starting a Vehicle

This device is designed to jump-start 12V vehicles, including all gasoline engines and diesel engines up to 12.0L.

1. **Connect Clamps:** Insert the blue end of the smart jumper cables into the jump start port on the device. Ensure a secure connection.
2. **Attach to Battery:** Connect the red clamp to the positive (+) terminal of the vehicle's battery and the black clamp to the negative (-) terminal.

3. **Power On:** Turn on the jump starter. The smart screen will display the battery voltage and readiness.
4. **Start Vehicle:** Start your vehicle's engine. If it doesn't start immediately, wait 30 seconds and try again. Do not crank for more than 3 seconds per attempt.
5. **Remove Clamps:** Once the vehicle starts, immediately remove the smart jumper cables from the vehicle battery, then disconnect them from the jump starter.



Image: Visual guide illustrating the sequence: 1. Attach clamps, 2. Power on, 3. Start engine, 4. Remove clamps.

6.1. Forced Start Function

If the vehicle battery is completely dead (below 2V) or the jump starter does not detect the battery, you may need to use the forced start function.

1. Connect the smart jumper cables to the jump starter and then to the vehicle battery as described above.
2. Press and hold the **RST (Forced Start)** button on the smart jumper cable connector for 3 seconds until the indicator light turns solid green.
3. Start the vehicle within 30 seconds.
4. Immediately remove the clamps after the vehicle starts.

WARNING: When using the forced start function, all safety protections are bypassed. Use with extreme caution and ensure correct polarity.



Image: Close-up of the smart jumper cable showing the 'RST' button for forced starting, with a warning about disabling safety features.

7. Tire Inflation (Air Compressor)

The built-in air compressor can inflate tires up to 160PSI and includes multiple preset modes.

1. **Connect Air Hose:** Screw the detachable air hose into the air hose port on the jump starter.
2. **Attach to Tire:** Remove the valve cap from the tire and securely attach the air hose nozzle to the tire valve.
3. **Power On & Select Mode:** Turn on the jump starter. Press the 'M' button to cycle through inflation modes (Car, Motorcycle, Bicycle, Ball, Custom) and pressure units (PSI, BAR, KPA, Kg/cm²).
4. **Set Pressure:** Use the '+' and '-' buttons to set the desired target pressure.
5. **Start Inflation:** Press the 'OK' button to start the air compressor. It will automatically stop once the preset pressure is reached.
6. **Disconnect:** Remove the air hose from the tire valve and then from the jump starter. Replace the tire valve cap.

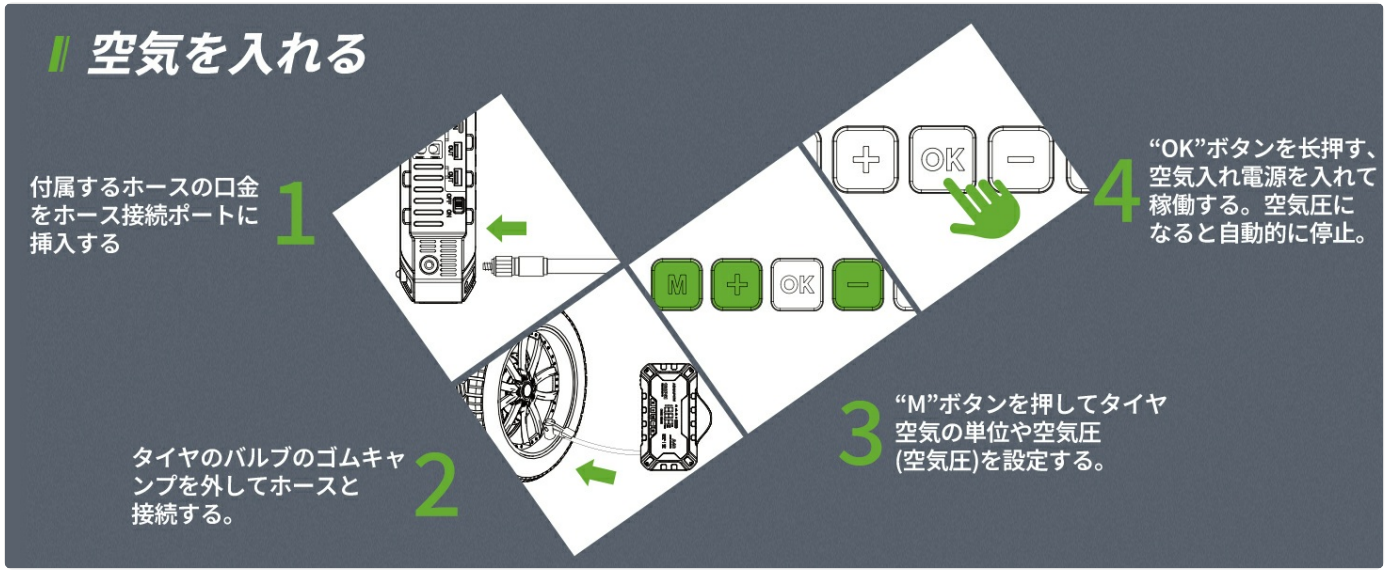


Image: Visual guide illustrating the sequence for tire inflation: 1. Insert hose, 2. Connect to tire, 3. Set pressure, 4. Start inflation.

7.1. Using Air Nozzles

The included air nozzles can be used for inflating various items:

- **Needle Nozzle:** For sports balls (basketballs, footballs, etc.).
- **Plastic Nozzles:** For inflatable toys, air mattresses, swimming rings, etc.

Attach the appropriate nozzle to the air hose before connecting to the item to be inflated.

8. Power Bank Function

The AIMAPOW Jump Starter can also serve as a portable power bank to charge your electronic devices.

1. Connect your device's USB charging cable to one of the USB output ports (USB1 or USB2) on the jump starter.
2. Connect the other end of the cable to your electronic device (smartphone, tablet, etc.).
3. The jump starter will automatically begin charging your device.



Image: The jump starter connected via USB to charge a smartphone and a tablet, demonstrating its power bank capability.

9. LED Flashlight

The integrated LED flashlight offers three modes for various situations:

1. **Steady Light:** Press the flashlight button once for continuous illumination. Useful for working in dark environments or as a general light source.
2. **Strobe Light:** Press the flashlight button a second time for a flashing strobe effect. Can be used for signaling or to

attract attention.

3. **SOS Signal:** Press the flashlight button a third time for the international SOS distress signal (three short flashes, three long flashes, three short flashes).
4. **Turn Off:** Press the flashlight button a fourth time to turn off the light.



Image: Demonstrates the LED light providing illumination for engine inspection, acting as a warning strobe, and serving as an SOS signal during camping.

10. Maintenance and Storage

- **Cleaning:** Clean the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Recharge:** For optimal battery life, recharge the device every 3-6 months, even if not in use.
- **Avoid Drops:** Do not drop or subject the device to strong impacts.

11. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on	Battery is completely discharged.	Charge the device fully.
Vehicle does not start	Incorrect clamp connection; vehicle battery too low; vehicle issue.	Check clamp polarity; use forced start function if battery is very low; consult a mechanic if vehicle still won't start.
Air compressor not working	Air hose not securely connected; device battery low.	Ensure air hose is tightly screwed in; charge the device.
Device not charging external devices	Device battery low; cable issue.	Charge the jump starter; try a different USB cable.

12. Specifications

Feature	Specification
Model	A40
Peak Current	8000A
Battery Capacity	27000mAh
Start Voltage	12V
Gas Engine Rating	All Gasoline Engines
Diesel Engine Rating	Up to 12.0L
Air Compressor Max Pressure	160PSI
USB Output	5V/2.4A (USB1), 5V/2.4A (USB2)
USB-C Input	5V/2A, 9V/2A
LED Light Brightness	600 Lumens
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions (L x W x H)	15 x 10 x 15 cm (approximate)

13. Warranty and Support

AIMAPOW products come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or contact your retailer for specific warranty terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact AIMAPOW customer service through the platform where you purchased the product or visit the official AIMAPOW website for contact information.

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