

E-Ant Q15

E-Ant Q15 Car Jump Starter with Air Compressor User Manual

Model: Q15

1. INTRODUCTION

The E-Ant Q15 is a versatile 4-in-1 device designed for automotive emergencies and convenience. It functions as a powerful car jump starter, a portable air compressor, a 22000 mAh power bank, and an LED flashlight. This manual provides essential information for the safe and effective operation and maintenance of your E-Ant Q15 device.



Figure 1: E-Ant Q15 Car Jump Starter with Air Compressor. This image displays the main unit with its digital display, control buttons, and the attached jumper cables and air hose.

2. PACKAGE CONTENTS

Upon opening the package, ensure all items listed below are present:

- 1 x E-Ant Q15 Jump Starter Portable Unit
- 1 x Smart Jumper Clamps
- 1 x Air Hose
- 3 x Air Nozzles (various types for different inflatables)
- 1 x Charging Cord (USB Type-C)
- 1 x User Manual

Video 1: Unboxing the E-Ant Q15 Car Jump Starter with Air Compressor. This video demonstrates the contents of the package and how they are stored in the carrying case.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the E-Ant Q15 unit. Connect the provided USB Type-C charging cord to the device's input port and plug the other end into a suitable USB power adapter (not included). The 5.1-inch LED display will show the battery level during charging.

3.2 Understanding the Display and Controls

The E-Ant Q15 features a 5.1-inch LED display that provides real-time information and allows for easy control:

- **Battery Level Indicator:** Displays the current charge of the device.
- **Pressure Values:** Shows the current and target pressure when using the air compressor.
- **Preset Modes:** Icons indicate selected inflation mode (car, motorcycle, bicycle, ball).
- **Power Button:** Turns the device on/off.
- **Light Button:** Cycles through LED light modes.
- **+/- Buttons:** Adjusts target pressure in air compressor mode.
- **Mode Button:** Cycles through different inflation presets.

4. OPERATING INSTRUCTIONS

4.1 Jump Starting a Vehicle

1. Ensure the E-Ant Q15 unit is sufficiently charged (at least 70% recommended for optimal performance).
2. Connect the smart jumper clamps to the designated port on the E-Ant Q15 unit.
3. Attach the red clamp to the positive (+) terminal of the vehicle's battery.
4. Attach the black clamp to the negative (-) terminal of the vehicle's battery. The intelligent safety detection jumper cables will show a green light when properly connected.
5. Turn on the E-Ant Q15 unit.
6. Start your vehicle.
7. Once the vehicle starts, immediately disconnect the jumper clamps from the vehicle battery, then from the E-Ant Q15 unit.

START DEAD VEHICLES

10L Gas Engine

8L Diesel Engine

26000MAH
Battery Capacity

4000A Peak

300 Lumens



Truck

RV



Pickup

SUV



Car



Figure 2: The E-Ant Q15 connected to a car battery for jump starting. The image highlights the device's capability to start vehicles with up to 10L gas or 8L diesel engines.

4.2 Using the Air Compressor

1. Screw the air hose securely into the air compressor port on the E-Ant Q15 unit.
2. Select the appropriate air nozzle for the item you wish to inflate (car tire, bike tire, ball, etc.) and attach it to the air hose.
3. Connect the air hose to the item's valve stem.
4. Turn on the E-Ant Q15 unit.
5. Use the Mode button to select the desired preset (car, motorcycle, bicycle, ball). The display will show the default pressure for that mode.
6. Adjust the target pressure using the +/- buttons if needed.
7. Press the power button to start inflation. The compressor will automatically stop once the preset pressure is reached.
8. Disconnect the air hose from the item and the E-Ant Q15 unit.



Figure 3: The E-Ant Q15 functioning as a cordless digital auto tire inflator. The image shows the device connected to a tire, with various pressure units (PSI, KPA, BAR, KG/CM²) displayed.

4.3 Using as a Power Bank

The E-Ant Q15 features a 22000 mAh battery and multiple USB output ports for charging external devices:

- Connect your device's charging cable to one of the two QC3.0 Fast Charging USB output ports (5V/2A).
- The device will begin charging automatically.

26000MAH FOR ALL USB QUICKLY CHARGING DEVICES



Game Console



Phone



Ipad



Drone



Earphone



Camera



Figure 4: The E-Ant Q15 charging a smartphone, demonstrating its 22000 mAh power bank capability with QC3.0 USB outputs.

4.4 Using the LED Light

The integrated LED light offers multiple modes for various situations:

- Press and hold the Light button to turn on the bright flashlight mode.
- Press the Light button again to cycle through SOS mode (flashing red/blue) and Strobe mode (rapid flashing red).
- Press and hold the Light button to turn off the light.

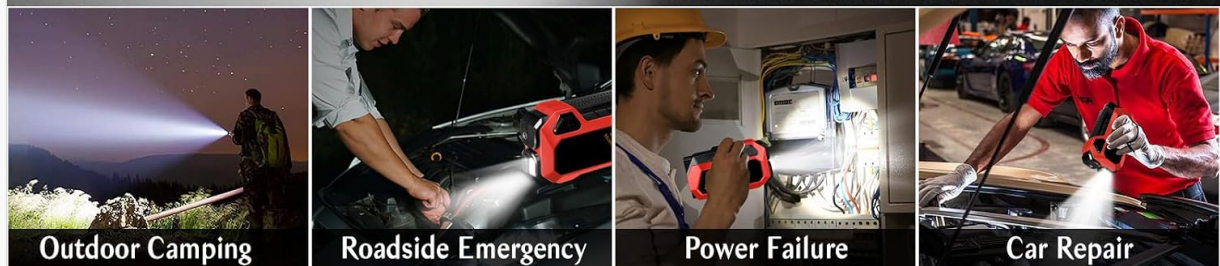


Figure 5: The E-Ant Q15 showcasing its 300-lumen bright LED flashlight with Touch Light, SOS, and Strobe lighting modes for various uses like outdoor camping, roadside emergencies, and car repair.

5. MAINTENANCE

5.1 Recharging the Unit

After each use, especially after jump starting a vehicle or prolonged air compressor use, it is recommended to fully recharge the E-Ant Q15 unit to ensure it is ready for future emergencies. Store the device in a cool, dry place.

5.2 General Care

Keep the device clean and free from dust and moisture. Avoid dropping the unit or exposing it to extreme temperatures outside its operating range (-4°F to 140°F).

6. TROUBLESHOOTING

6.1 Safety Features

The E-Ant Q15 is equipped with a smart protection system to prevent common issues:

- **Short Circuit Protection:** Prevents damage from incorrect connections.
- **Overcharge Protection:** Protects the battery from being overcharged.
- **Overload Protection:** Shuts down the device if overloaded.
- **Over Temperature Protection:** Prevents overheating during operation.
- **Reverse Connection Protection:** Alerts the user to incorrect battery terminal connections.
- **Low Voltage Protection:** Prevents damage from excessive discharge.
- **Over Current Protection:** Safeguards against excessive current flow.



Figure 6: Visual representation of the E-Ant Q15's comprehensive smart protection system, including safeguards against short circuits, overcharge, overload, over-temperature, reverse connection, low voltage, and over current.

6.2 Common Issues

- **Device not turning on:** Ensure the battery is charged. If fully charged, contact customer support.
- **Jumper cables not indicating green light:** Check that the clamps are securely connected to the correct battery terminals (red to positive, black to negative).
- **Air compressor not inflating:** Verify the air hose and nozzle are securely attached and that the desired pressure is set. Ensure the device has sufficient charge.
- **Air compressor squealing:** If the air compressor makes unusual noises after repeated use, it may indicate a mechanical issue. Discontinue use and contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	E-Ant
Model	Q15
Peak Output Current	4000 Amps
Battery Capacity	22000 Milliamp Hours
Voltage	12 Volts
Engine Compatibility	Up to 10L Gas or 8L Diesel Engines
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Air Compressor Pressure	150 PSI
Power Bank Output	Type-C Input (5V/2A), 2x QC3.0 USB Outputs (5V/2A)
Display	5.1-inch LED
Item Weight	2.2 pounds (1 Kilogram)
Product Dimensions	1.97 x 7.87 x 3.94 inches

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official E-Ant website. Contact information for support is typically found in the included user manual or on the product packaging.