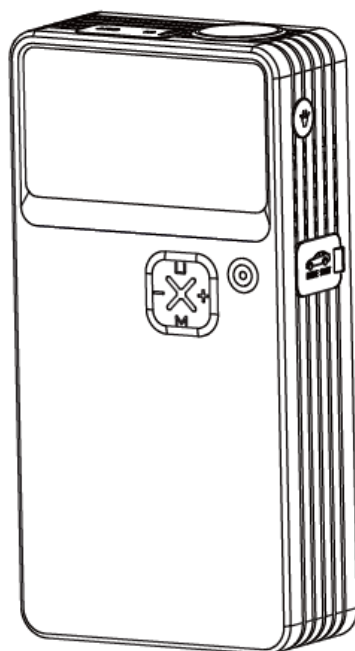


# **2-in-1**

# **Car Jump Starter with Air Compressor**

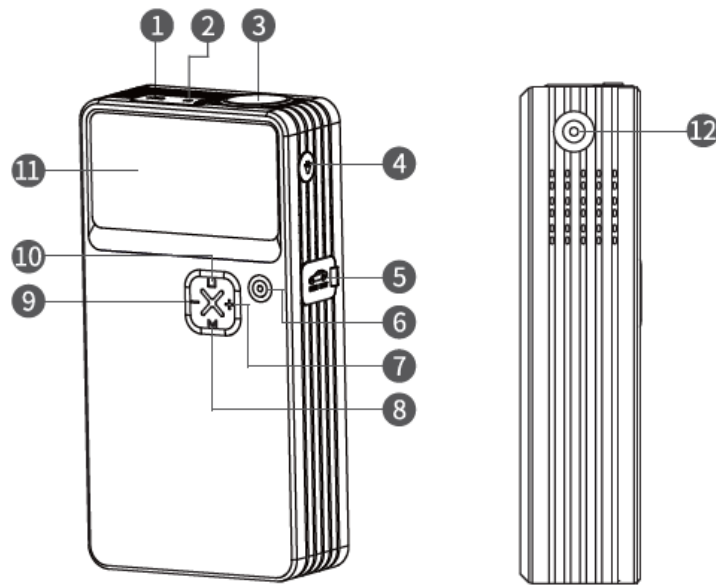
## **User Manual**



**Model No. KA200**

Before using the product, please read this instruction manual carefully and follow the operating instructions to use the product correctly!

## Product Function Detailed Description Diagram

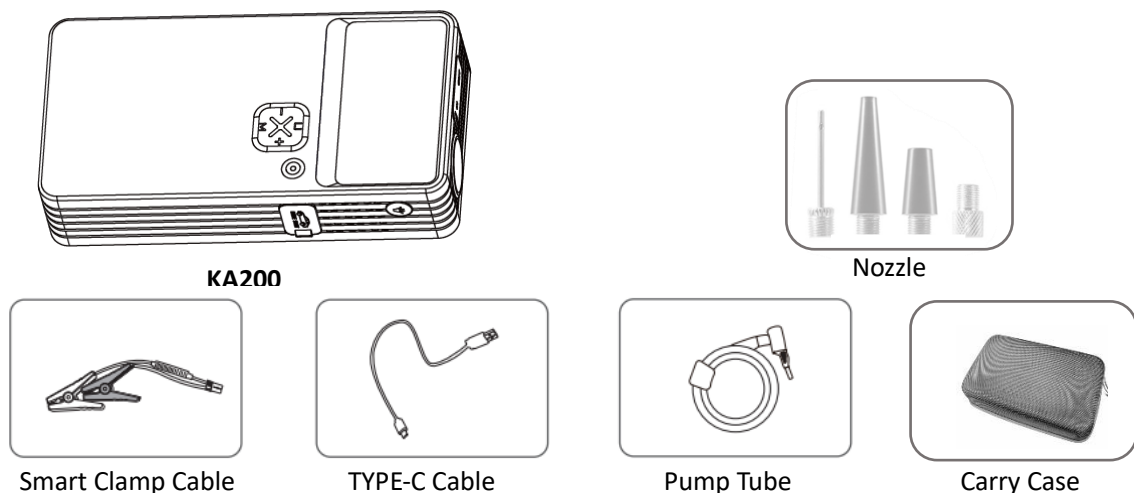


- |                            |                        |                          |
|----------------------------|------------------------|--------------------------|
| 1. USB Output              | 2. TYPE-C Input        | 3. LED Lighter           |
| 4. Flashlight Switch       | 5. Engine Start Output | 6. Power Switch          |
| 7. Increase Pressure Value | 8. Mode                | 9. Reduce Pressure Value |
| 10. Unit                   | 11. Display Screen     | 12. Exhaust Vent         |

## Product Function Overview

1. Supports emergency jump-start for low 12V vehicle batteries.
2. Supports inflating cars, motorcycles, bicycles, sports balls, and other inflatable items.
3. Supports the Quick Charge 3.0 protocol for fast charging mobile phones, tablets, etc.
4. Supports LED illumination, including high-intensity flash, SOS distress signal, and other emergency lighting modes.
5. Supports a screen display for clear and concise information prompts.

## Product Detailed Accessories Diagram



## Function Operation Instructions

### 1. Product Charging Operation

Please plug the TYPE-C cable into the TYPE-C input port of the KA200 and connect it to the USB 5V/2A AC Charger. The KA200 will begin recharging, and the battery icon on the display screen will flash repeatedly. When the battery icon shows 4 bars, it indicates a full charge.

**Note:** The AC Charger is an optional accessory.

### 2. Vehicle Start Operation

- a. Connect the blue EC5 end of smart clamp cable to the engine start output of the KA200.  
(Note: Ensure that the EC5 connector is securely inserted for optimal start performance). Please check the LED indication on the smart convertor box as below:

**a. Red /Green LED flash => the KA200 has enough power to jump start the car.**

**b. Steady Red LED => The KA200 needs to be recharged first.**

- b. Connect the red clamp of the Smart clamp cable to the positive (+) terminal of the vehicle battery, and the black clamp to the negative (-) terminal. Please check the LED indication on the smart convertor box as below :

#### i. Correct Connection :

The smart convertor box will show a steady Green LED, this means that the KA200 is ready to jump start the car.

#### ii. Wrong connection :

The smart convertor box will show a steady Red with several beep sounds. **Never start the vehicle when the light is a steady red with beep sounds, this is a warning, that the connection is not correct, or the protective function is activated.**

- c. Once correctly connected, you can proceed with the vehicle start operation.
- d. After starting the vehicle, the smart convertor box will disconnect the power in 3 seconds, and the LED will show **steady Red and Green** to remind the customer to remove the KA200 and the clamps from the car battery. Please detach the EC5 end of the smart clamp cable from the engine start output port of the KA200, and then remove the red and black clamps from the vehicle battery. (It is recommended to complete this step within 30 seconds after starting the vehicle).



#### Please note:

Once the connection is correct, the smart convertor box will allow the KA200 to start the car, but if it detects NO attempt to jump start in 30 seconds, the smart convertor box will disconnect automatically for safety. To reset, please remove the blue EC5 plug from the KA200 and reconnect again.

**Friendly reminders:**

- a. To ensure optimal starting performance, please make sure that the product has sufficient battery power (at least 3 bars) before starting the vehicle, and ensure that all electrical devices in the vehicle are turned off.
- b. Ensure that the smart clamp cable is securely and firmly in contact with the battery terminals, as a larger contact area facilitates improved current conduction and enhances starting performance.

**3. Operation of Inflation Function:**

- a. Press and hold the power button for 2 seconds to turn on the KA200, then simply press the "M" button to select one of the four inflation modes based on your needs.

Inflation Modes	Reference Default Values
Car	35 PSI
Motorcycle	40 PSI
Bicycle	35 PSI
Basketball	8 PSI

- b. Press the "U" Button to select the pressure unit. The sequence of units is BAR → PSI → KPA → kg/cm<sup>2</sup>.
- c. Press the "⊕" button or "⊖" button to adjust the preset pressure value. Press and hold for 3 seconds to enter fast preset pressure adjusting mode.
- d. Screw the threaded end of the pump tube onto the KA200 exhaust vent, then select a suitable nozzle and connect it to the item to be inflated.
- e. After proper setup and connection, press the Power Button to start the air pump (the preset pressure must be ≥ the real-time pressure, otherwise the air pump cannot be activated).
- f. When the inflation pressure reaches the preset pressure, the air pump will automatically shut off (during the inflation process, pressing the Power Button briefly will also stop the air pump).
- g. After inflation is complete, remove the nozzle from the inflated item, and then detach the pump tube from the KA200 by unscrewing it.

**Friendly reminder:**

- a. When the preset pressure is flashing, it indicates that the device has entered the preset mode. In this mode, you can set the scene mode, switch the pressure unit, and adjust the preset pressure value. Stop operating the above setting for 3 seconds, then exit the preset mode and ready to operation. (Please note that while in the preset mode, pressing the power button will not activate the air pump for inflation.)
- b. Settings made in preset mode are automatically saved. Press and hold the "M" Button for 5 seconds to restore the factory settings.
- c. Pressure unit conversion formula: 1 BAR = 100 KPA; 1 PSI = 6.89 KPA; 1 kg/cm<sup>2</sup> = 98 KPA.

**Note:** The pump tube may become hot during prolonged operation. Do not immediately touch the metal head connecting the exhaust vent of the KA200 with your hands or other body parts. Hold the heat-insulating silicone sleeve and then unscrew the pump tube.

#### 4. LED light Operation :

- a. Press and hold the Power Button for 2 seconds to power on the KA200.
- b. Press and hold the Flashlight Switch button for 2 seconds to turn on the light.
- c. Press the Flashlight Switch button again to switch between high brightness, strobe, and SOS modes.
- d. Press and hold the Flashlight Switch button for 2 seconds to turn off the light.

#### 5. USB output Operation :

Press and hold the Power Button for 2 seconds to power on the KA200.

Once powered on, you can connect your phone, tablet, or other devices to the USB output port using a charging cable to start charging.

#### 6. Automatic turn-off function :

The KA200 has power-saving management functionality. After detecting no power output, it will enter power-saving mode and automatically turn off after 30 seconds.

### Technical specifications

Battery Capacity	12000mAh /44.4Wh
Start Current	500A
Peak Current	1000A
Inflation Pressure	150PSI (MAX)
Cylinder Diameter	19mm
Cylinder Rated Power	120W
Input	5V/2A (current range 0.5A-2A)
Charging Time	3~4 hours
USB Output	5V/3.0A ; 9V/2A ; 12V/1.5A
Operating Temperature	-20°C ~ +60°C
Dimensions	203*104*50 mm

### Troubleshooting

Fault Code Display	Cause	Troubleshooting Method
E01	Air Pump Overheat Protection	Please stop using the product and wait for at least 5 minutes before using it again.
E02	Abnormal Air Pressure Protection	Please contact customer service.

**Toxic and hazardous substances or elements in the product and their contents:**

Model Number	Toxic and harmful substances or elements					Polybrominated Diphenyl Ethers (PBDEs)
	Lead(Pb)	Mercury(Hg)	Cadmium(Cd)	Hexavalent Chromium Cr (VI)	Polybrominated Biphenyls (PBB)	
KA200	O	O	O	O	O	O

O: Indicates that the content of the hazardous substance in all homogeneous materials of the component is below the limit requirements specified in the 2011/65/EC (RoHS) standard.

**Precautions:**

1. If the product is not used for a long time, it is recommended to fully charge it at least once every three months.
2. During use or charging, if the product generates slight heat, it is normal and not a malfunction.
3. If the vehicle needs to be attempted to start multiple times, there should be a minimum interval of 60 seconds between each start attempt. If the vehicle cannot start after 3-5 attempts, it is recommended to further check for other faults in the vehicle.
4. Do not touch both ends of the smart clamp cable together during operation, as it may pose a safety risk.
5. Do not reverse the positive and negative terminals of the smart clamp cable with the vehicle's positive and negative terminals, as it may pose a safety risk.
6. Before setting the preset air pressure value, please ensure that the pressure unit selection is correct, as mixing units may lead to overinflation and pose a safety risk.
7. Before setting the preset air pressure value, set it within the safe pressure range of the inflated item. Exceeding the safe pressure range may pose a safety risk.
8. Do not disassemble or modify the device to avoid damage or safety risks and voiding the warranty.
9. Keep the product out of reach of children and store it properly.
10. To ensure optimal charging performance, use an AC charger (5V/2A) manufactured by a reputable manufacturer to charge the product.
11. It is recommended to use the KA200 in a safe environment and avoid the following environments to mitigate safety risks :
  - a. Damp areas and places prone to water splashes.
  - b. Places with high temperatures, open flames, corrosive substances, or chemical gas hazards.
  - c. Places with mud or sand.
  - d. Places prone to falling.
  - e. Places where flammable or explosive materials are stored.
  - f. Places with severe vibrations or impacts.