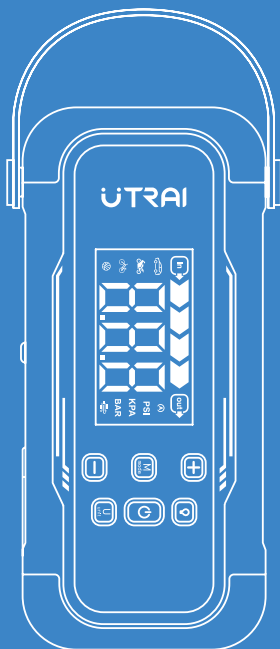


UTRAI



Instruction Manual

Multi-Function Car Jump Starter

JS-40



IMPORTANT

Thank you for choosing the UTRAI JS-40 Jump Starter with Air compressor! Please read the instruction manual carefully and use the product correctly according to the guidelines in the operation manual,so that you can get familiar with the product more conveniently and quickly!



US/CA



UK

Please Scan the Code for After-sales Service!

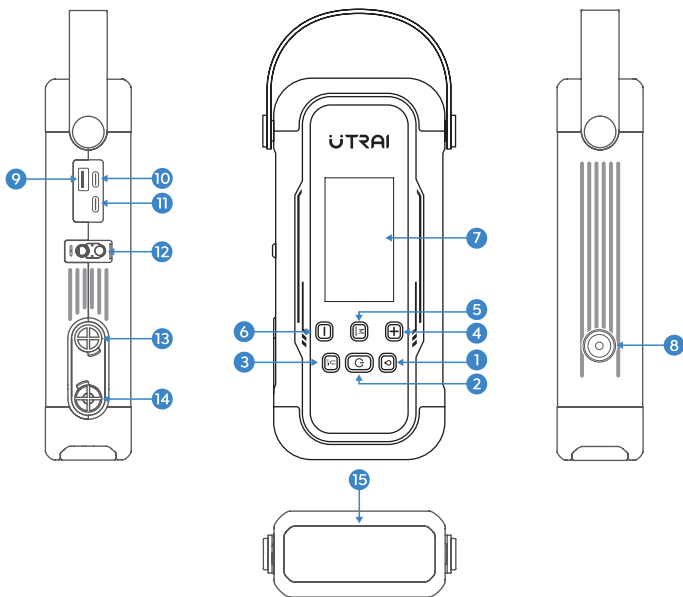
Important Notes

Please read the following precautions carefully before use to ensure safe and proper operation of this product!

01. When starting the vehicle, maintain a safe distance from the engine to avoid personal injury caused by engine rotation during startup!
02. Do not hold the key in the ignition for extended periods. If the vehicle fails to start within 3 seconds, release the key and try again later!
03. When using this product to start a vehicle consecutively, allow at least a 1-minute interval between attempts!
04. Disconnect the cables within 30 seconds after the vehicle starts to prevent damage to this product or potential accidents!
05. The vehicle start output port is exclusively for connecting the included jumper cables to start the car. Do not connect any other loads!
06. Under no circumstances short-circuit the positive and negative terminals of the clamps, or reverse their polarity when connecting to the vehicle, to prevent accidents!
07. After starting the car with the jump starter, do not immediately recharge it. Allow the battery to cool for 30 minutes!
08. Do not charge this product in environments below 0°C (32°F) or above 45°C (113°F).
09. After continuous operation for over 10 minutes, stop for 10 minutes to allow the device to cool before resuming use.
10. Do not intentionally or accidentally short-circuit the positive and negative terminals of the car starter output port. When storing, do not mix with metal objects or sharp items (e.g., screwdrivers). Check the power of the product at least every three months, and charge the product in time.
11. When used by children, parental supervision is required, and strict adherence to the instruction manual is essential to ensure proper usage!
12. Mild heating during use or charging is normal and does not indicate a malfunction.
13. When not in use, disconnect all external devices to minimize power consumption.
14. For extended periods of non-use, maintain a partial charge in the battery and recharge the product at least once every three months.
15. Non-professionals must not disassemble this device to avoid damaging the machine or causing safety incidents.

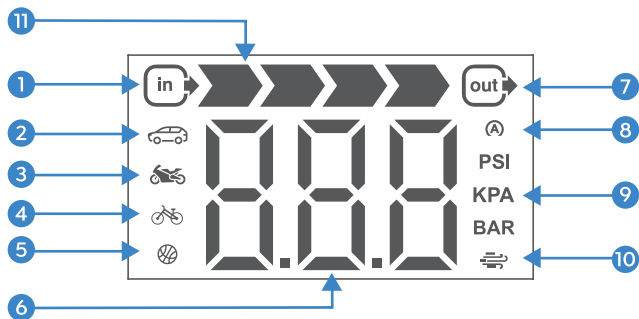
16. Do not discard or incinerate used battery products; please protect the environment.
17. The battery level indicator on the product is for reference only and does not guarantee complete accuracy. Minor discrepancies are normal.
18. All illustrations in this manual are for reference only; the actual product shall prevail.
19. When inflating car tires for extended periods, the hose connection point may become hot. Do not touch the metal connector directly with your hands or body. Always grip the insulated silicone sleeve before disconnecting the hose.
20. If using a power adapter for charging, select a certified adapter (5V/2A or higher).
21. Use this product in a safe environment, avoiding the following conditions to prevent safety risks:
 - Damp locations or areas prone to water splashes.
 - Areas near high temperatures, open flames, corrosive substances, or hazardous chemical gases.
 - Locations with sand or silt.
 - Places where the product may fall.
 - Storage areas containing flammable or explosive materials.
 - Locations subject to severe vibration.
 - Never use after water immersion.

Product Function Description



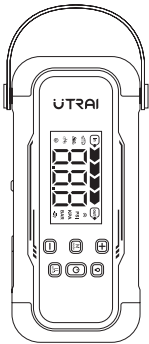
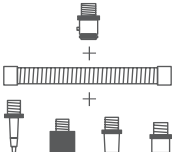
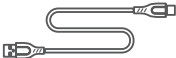
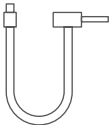
①	LED Light Button	②	Power/Start Inflation Button	③	Unit Conversion Button
④	Preset Pressure Add Button	⑤	Mode Switch Button	⑥	Preset Pressure Decrease Button
⑦	Digital Display	⑧	Air Pump Port	⑨	USB-A Output Port
⑩	USB-C Input Port	⑪	USB-C Output Port	⑫	Jumper Output Port
⑬	Inflate Port	⑭	Deflate Port	⑮	LED Flashlight

Display Screen Introduction:



①	Charging Indicator	②	Car Mode	③	Motorcycle Mode
④	Bicycle Mode	⑤	Basketball Mode	⑥	Air Pressure Display Area
⑦	USB Output	⑧	Custom Mode	⑨	Air Pressure Units: PSI/ KPA/BAR
⑩	Blower Mode	⑪	Battery Level		

Product Accessories:

 Air nozzles x4		 Blower accessories x6
 USB to USB-C charging cable		 Air hose
 Portable storage bag	 USB-C to USB-C charging cable	 Jumper cable with clamps

Product Specifications

Battery Capacity	10000mAh/37Wh
USB-C Input	5V $\bar{\bar{=}}$ 2A, 9V $\bar{\bar{=}}$ 2A
USB-C Output (PD 30W)	5V $\bar{\bar{=}}$ 3A, 9V $\bar{\bar{=}}$ 3A, 12V $\bar{\bar{=}}$ 2.5A
USB-A Output	5V $\bar{\bar{=}}$ 3A, 9V $\bar{\bar{=}}$ 2A, 12V $\bar{\bar{=}}$ 1.5A
Discharge Temperature Range	-20°C to 70°C
Charge Temperature Range	0°C to 45°C
Maximum Inflation Pressure	150 PSI
Dimensions	242 x 122 x 54.5 mm

Product Feature Overview

1. USB/USB-C ports support charging and powering digital devices such as smartphones, PSPs, MP3/MP4 players, and tablets.

2. Integrated LED lighting with switchable modes: illumination, strobe, and SOS.

3. Built-in air pump and blower with 6 inflation modes:



Car tire mode: 1.8BAR–3.5BAR



Motorcycle tire mode: 1.8BAR–3.0BAR



Bicycle tire mode: 30PSI–65PSI



Basketball inflation mode: 4PSI–16PSI



Custom Mode: 3 PSI to 150 PSI



Blower Mode: Supports both blowing and suction functions

The inflator supports 3 unit conversions: BAR, KPA, PSI.

4. Supports tire pressure monitoring. Connect the air hose to the corresponding port on the device, tighten the hose to prevent air leakage, press the  briefly to turn on, attach the hose to the tire, and the display will show the current tire pressure data.

5. Vehicle jump-start function: Easily start vehicles with low battery power.

6. Nozzle adapter uses:



American long plastic nozzle: Suitable for balloons, swim rings, inflatable boats, air cushions, yoga balls, etc.



American short plastic nozzle: Suitable for balloons, swim rings, inflatable boats, air mattresses, yoga balls, etc.



Metal Ball Valve: Suitable for basketballs, soccer balls, volleyballs, etc.;



French Valve to American Valve Adapter: Suitable for certain road bikes, mountain bikes, etc.

7. Blower Accessories Applications:



Blower Connector: Used to connect air hoses to the machine;



Air Hose: Connects the blower connector to air nozzle accessories;



Blower Air Nozzle: Suitable for inflatable tents, air mattresses, car air cushions, vacuum storage bags, etc.;



Small Blower Nozzle: Suitable for air mattresses, inflatable mattresses, car air cushions, inflatable boats, paddleboards, inflatable pools, etc.;



Medium Air Nozzle: Suitable for air mattresses, car air cushions, inflatable mattresses, inflatable boats, paddleboards, inflatable pools, etc.



Long Air Needle: Suitable for inflatable swim rings, inflatable boats, air cushions/pillows, yoga balls, etc.

Error Code Display Explanation

► “E1”: Low-temperature charging protection activated. Charging stopped. Protection automatically disengages when temperature rises above 2°C.

► “E2”: Charging high-temperature protection. Charging stops. Protection automatically resumes when temperature drops below 45°C.

► “E3”: Discharging high-temperature protection. Discharging stops. Protection automatically resumes when temperature drops below 65°C.

► “E7”: Cylinder over-temperature protection. Protection resumes when temperature drops below 70°C. After protection resumes, it is recommended to wait 10 minutes before proceeding with the next charging cycle.

Function Operation Instructions

1. Charging the Power Supply:

Insert the charging cable plug into the USB-C input port  of the power supply. Connect the other end to a charger (5V/2A or higher). The battery icon on the digital display will flash sequentially, and the "IN" icon in the upper left corner will remain lit, indicating charging has begun. When the battery display shows 4 bars and stops flashing, the battery is fully charged. The device will automatically power off 10 seconds after reaching full charge.

2. Operating the LED Light and Emergency Flashing Light:

Press the power button  briefly to turn on the device. Then, press and hold the lighting button  to activate the LED light. Press the lighting button  briefly to cycle through lighting modes: steady on, SOS pattern, and strobe. Press and hold the lighting button  again to turn off the LED light.

3. Charging Digital Devices (e.g., Phones, PSP, MP3/MP4, Tablets):

Press the power button  briefly to turn on the device. Plug the USB charging cable into the USB-C output port to charge digital devices like phones, PSP, MP3, MP4, or tablets. The display will show the remaining battery level.

4. Device Shutdown Method:

The device will automatically enter sleep mode and shut down after 20 seconds of no output or operation. Manual shutdown is not required.

5. Blower/Vacuum Function Operation:

1. Select appropriate accessories from the kit and connect them to the blower's intake and exhaust ports;
2. Briefly press the  Power button to turn on the machine. Briefly press the M button again until the display switches to the "Blower () Mode icon";
3. Press and hold the  Power button to activate the blower. After use, briefly press the  Power button or M button to shut off the blower;
4. Remove the accessory to complete blowing/suction.

*Note:

1. When using the blower function, supervision is required on-site. After blowing/suction is complete, immediately manually press the  Power button or M button to shut off the blower.
2. After 10 minutes of continuous operation, allow at least a 5-minute interval before resuming use.
3. Do not use the suction function to draw in dust, foreign objects, or liquids.
4. Nozzle attachments contain small parts posing a choking hazard to young children. Keep out of reach of children.
5. If malfunction occurs, inspect whether the fan blades are obstructed or jammed by foreign objects.

6. Never point the nozzle toward people or any part of the human body; do not insert hands into the air inlet or exhaust port; do not block the air vents.
7. Do not operate this product in high-temperature or high-humidity environments. Use within temperatures between -20°C and 50°C . Store the product according to technical specifications.

6. Vehicle Starting Procedure:

To ensure optimal starting performance, maintain at least three battery bars for easier vehicle ignition!

- ① Insert the smart clamp plug into the starting power output port;
- ② Connect the smart clamp's positive and negative terminals to the vehicle battery terminals: red clamp to positive terminal, black clamp to negative terminal;
- ③ Once the green light on the smart clamp stays steady, start the vehicle within 30 seconds;

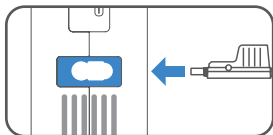
If the indicator light is red and always on, the following two scenarios are possible:

- The smart clamp maybe reversed. If so, disconnect and reconnect correctly;
- Inadequate contact between smart clamp and electrode, please adjust the smart clamps to maximize contact with the car battery terminals.

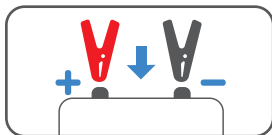
④ After successful start-up, disconnect the device within 30 seconds and remove the clamps from the battery terminals;

⑤ Unplug the smart clamp connector from the device.

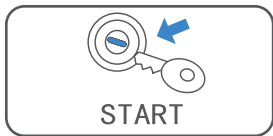
If starting fails, disconnect the device from both the smart clamp and battery terminals. Wait one minute before repeating the above steps.



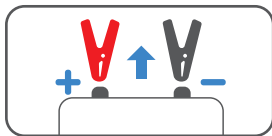
1. Insert the smart clamp plug into the starting output port.



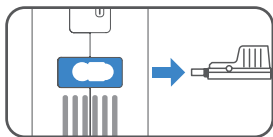
2. Connect the clamps to the positive and negative terminals of the car battery.



3. Start the car.



4. Disconnect the clamps from the battery terminals.

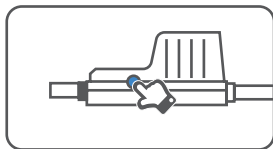


5. Unplug the smart clamp plug.

Smart Clamp Forced Start Function Usage Guide:

In the above normal start step2, if the smart clamp indicator light does not light up green, but flashes red and green alternately, it means that your vehicle battery is completely discharged or even damaged. At this time, you can use the forced start function.

Force Start Step: When the indicator light is flashing red and green alternately, long press the force start button on the side of the smart clamp for 3 seconds, the indicator light will change to green, please complete the car ignition operation within 30 seconds. Remove the smart clamp immediately after successfully starting the car.



Smart Clamp Precautions:

1. When the forced start function is activated, the smart clamp's protective features are disabled. Never short-circuit the positive and negative terminals of the battery!
2. When the smart clamp is properly connected to the car battery, a steady green light will illuminate. The vehicle must be started within 30 seconds. If the engine fails to start within this timeframe, the smart clamp will display a steady red light. To attempt starting again, disconnect the smart clamp from both the device and the car battery, then repeat the above steps.
3. If the positive and negative clamps are accidentally reversed, the smart clamp will illuminate a red light and emit a continuous "beep-beep-beep" sound. Disconnect the device from the battery clamps and repeat the above steps.

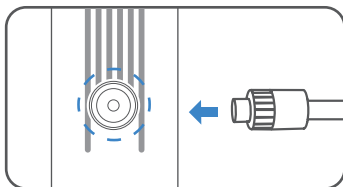
Smart Clamp Troubleshooting

Connection Status	Indicator Light	Condition
When Smart Clamp is connected only to the ignition power source	Red and green lights flashing	Standby Mode
	Red light steady	Low voltage protection—charge the product
	Red light steady with intermittent beeping	Sticky fault—replace components
When Smart Clamp is connected to both device and car battery	Green light steady	Startable
	Red light steady	Timeout Protection – Connection timed out. Start engine within 30 seconds, or remove clamps within 30 seconds after successful start.
	Red light steady with intermittent beeping	Reverse Polarity Protection – Adjust clamps to ensure correct connection (red clamp to positive terminal, black clamp to negative terminal).
	Red light steady with continuous beeping	Short Circuit Protection – Do not connect both clamps to each other or to the same metal surface.
After Starting the Vehicle	Red light stays on	Overheating Protection – Remove clamps and allow them to cool.
Other Situations	Contact the corresponding site email for detailed support.	

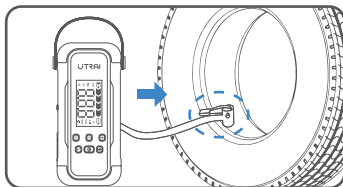
7. Car Tire Inflation Function Operation Instructions:

Before inflating, ensure the battery level is above 3 bars.

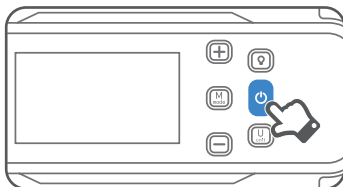
A. Connect the air hose to the corresponding port on the machine and tighten it to prevent air leakage;



B. Attach the air hose nozzle to the tire valve;



C. Briefly press the power button  to turn on the machine;



D. Briefly press the **M** button to switch to the corresponding inflation mode. Supports five modes: “Car Inflation Mode,” “Motorcycle Inflation Mode,” “Bicycle Inflation Mode,” “Basketball Inflation Mode,” and “Custom Inflation Mode.”

After setting parameters, data is automatically saved. The device remembers the last settings upon startup;

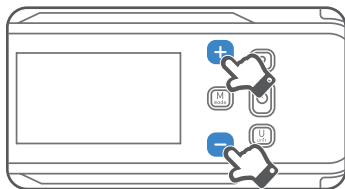


E. After selecting the mode, briefly press the **U** button to set the pressure unit: PSI/KPA/BAR;



F. After selecting a mode, press the “+” or “-” keys to adjust the preset pressure value. The pressure value flashes during adjustment.

Short press the “+” or “-” keys to increment/decrement by 1 PSI/10 KPA/0.1 BAR. Long press the “+” or “-” key for 2 seconds to switch to rapid increment/decrement mode;



G. After selecting the mode or setting the pressure value, press and hold the power button to start. If the pressure exceeds the set value, inflation will not occur.

During inflation, when the pressure reaches the preset value, inflation will stop. Pressing the  during inflation will halt the process.



H. The display shows the current pressure value. After inflation completes, remove the hose. The machine will automatically shut down after approximately 20 seconds of inactivity.



Tire Pressure Check Method:

1. Briefly press the  to turn on the machine.
2. Connect the hose quick-connect fitting to the tire valve stem, ensuring it is fully depressed and secured.
3. The pressure displayed on the screen indicates the current tire pressure.

CUSTOMER SUPPORT

1. If you meet any questions or problems, please feel free to contact us by Email or Facebook anytime, we will try our best to help you as soon as possible.
2. Contact us by email, or scan the QR code on the right side contact us directly:



✉ support.us@utrai.com



✉ support.uk@utrai.com

Find News, Deals, and Events on our official website and social medias. You can also download Electronic User Manual on our official website. Watch product Unboxing Videos by influencers and How-to Videos on our Youtube channel.



🌐 Official Website
<http://www.utrai.com>



📘 Facebook
[@utraicompany](https://www.facebook.com/utraicompany)



▶ Youtube
UTRAI Company

Declaration of Conformity

We (EU based importer is responsible for this declaration)

SUCCESS COURIER SL

(Company name)

CALLE RIO TORMES NUM.1, PLANTA 1, DERECHA, OFICINA 3, Fuenlabrada, Madrid, 28947 Spain

(Company address)

declare under our sole responsibility that the product

Trade name: UTRAI

Equipment: Jump Starter

Model No.: JS-40

to which this declaration relates is in conformity with the essential requirement set out in the Council Directive on the Approximation of the laws of the Member States relating to RED Directive(2014/53/EU) & RoHS(2011/65/EU) & (EU) 2023/1542 product is responsible to affix CE marking, the following standards were applied:

to which this declaration relates is in conformity with the essential requirement set out in the Council Directive on the Approximation of the laws of the Member States relating to RED Directive(2014/53/EU) & RoHS(2011/65/EU) & (EU) 2023/1542 product is responsible to affix CE marking, the following standards were applied:

EN IEC 62368-1:2020+A11:2020

IEC 62133-2:2017

IEC 62133-2:2017/AMD1:2021

EN 55032:2015+A1:2020

EN 55035:2017+A1:2020

EN IEC 61000-3-2:2019+A1:2021+A2:2024

EN 61000-3-3:2013+A1:2019+A2:2021

EN301489-1

EN301489-3

EN 303 417

IEC62321-3-1:2013

IEC62321-4:2013

IEC62321-5:2013

IEC62321-6:2015

IEC62321-7-1:2015

IEC62321-7-2:2017

IEC62321-8:2017

Full Name: George.wang

Position: Approbation Manager

Signature: George.wang

Place/Date: Shenzhen, China/Oct.15-2025

üTRAI