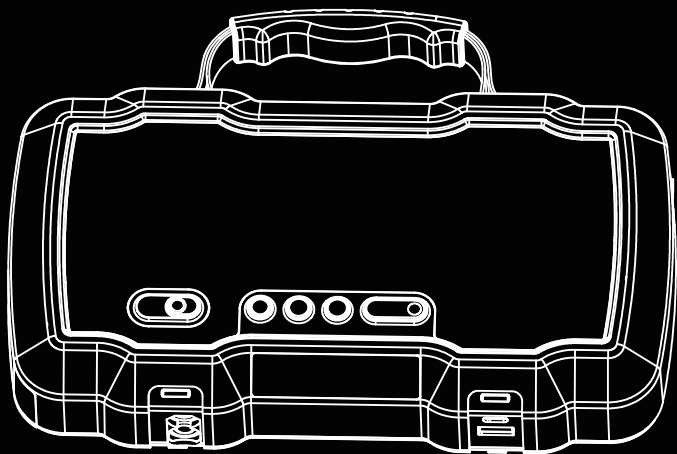


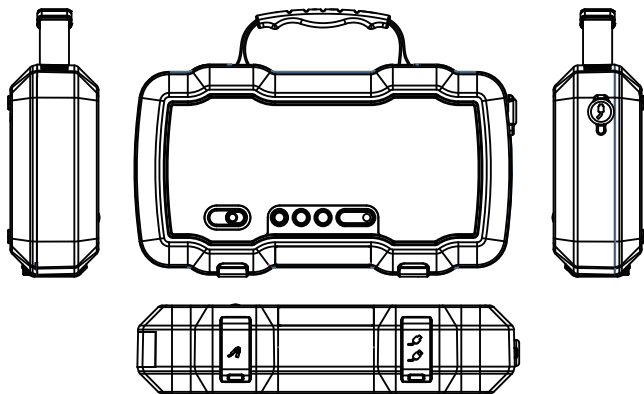
JA301C MANUAL



Contents

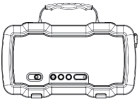






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Product Overview



No.	Functional Description	No.	Functional Description
1	LED Light Switch	2	Power/Start Button
3	BAR/PSI : Tire pressure units setting, multiplexed with the forced start function	4	Air Inflator Start-stop Button
5	The Button for Presetting Tire Pressure '+ -'	6	LED Light
7	Interface and Screen	8	Air Inflator Output Port
9	EC8 Starting Port	10	USB-C Input/Output Port
11	USB-A Port	12	/

Packing List

Product Physical	Jump Starter Clamps	Inflatable Hose	Nozzle Adapters
			1. Presta Valve Adaptor 2. Inflatable Nozzles 3. Ball Needle 
Accessories Storage Bag	USB-A to USB-C Wire	USB-C to USB-C Wire	Manual
			

Product Overview

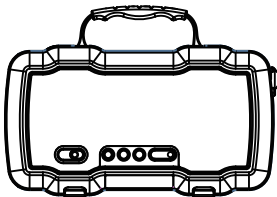
1. Display Panel



No.	Functional Description	No.	Functional Description
1	Fast-Charging Indicator	2	Charging Status Indicator
3	Led Power Indicator	4	USB-A/USB-C Output
5	Abnormal State Alarm Indicator	6	Numerical Display Area
7	Starting Indicator	8	Pressure Units Indicator
9	Output Voltage Detection Status Indication and Units	10	/

2. How to power up the jump starter

Short press the power/start button (button in blue box) or the LED light control button (button in red box) to activate the JTM.



3. How to use the jump-start function?

3.1 Method one: Normal start

3.1.1 Connect the red (+) clamp to the positive (+) terminal on the vehicle battery and the black (-) clamp to the negative (-) terminal on the vehicle battery. Make sure that the connections are good.

3.1.2 Press the "LED" "Power" button to start the JTM. If the connection detection is normal, the START light of the display panel will flash, and the positive and negative voltage after the parallel connection of the jump starter and the vehicle is displayed. At this time, you'll be able to start your vehicle.

3.1.3 In most cases, the vehicle will be able to start immediately after the jump starter has been connected. Some vehicles may need to be connected to the jump starter for 30-120 seconds (the product will charge the car battery at this time) to continue the operation. If the vehicle does not start immediately. Please wait 20-30 seconds before each attempt. Do not attempt more than five times within 15 minutes.

3.1.4 Please remove the jump-start clamps from the car battery instantly after you finished the starting. Pressing on the "Power" button for 2 seconds to shut down jump starter. If there are no operations for 60 seconds, the product will automatically shut down.

3.2 Method two: Forced start

(Safety reminder: Under the forced start mode, part of the safety protection mechanism is invalid. Be sure to connect the positive and negative poles correctly, otherwise it will cause a short-circuit. So please check the instruction manual before operation and use with caution)

3.2.1 At this time, the normal start mode fails to start, e.g: the voltage of the car battery is very low (the voltage is less than 1V), you can use the forced emergency start function after checking the operating specifications in the manual;

3.2.2 Connect the jump starter clamps to the EC8 connector on the Jump-Starter;

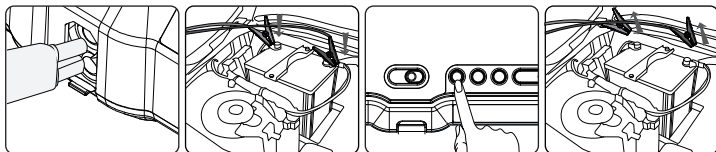
3.2.3 When the jump starter is on, tapping and holding on the 'BAR/PST' button for 5 seconds will enter the forced start mode. At this time, the START light on the screen is always lighting, which means that the output of the clamps of jump starter are normally turned on. At this time, you must prevent the positive and negative poles from being short-circuited; (In this mode, it is required to turn on the forced start function first, and then connect the clamps of jump starter to the car battery, otherwise the output cannot be turned on);

3.2.4 Connect the red (+) clamp to the positive (+) terminal on the vehicle battery and the black (-) clamp to the negative (-) terminal on the vehicle battery (during the connection process, there will be a slight sparking phenomenon, which is normal) and make sure that the connections are good; At this time, the overall voltage of the jump starter connected in parallel with the vehicle is displaying on the screen (then you can jump-starting the vehicle);

3.2.5 Shortly press the "Start" or "BAR/PSI" button to exit.

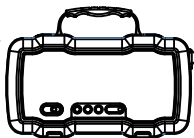
4. How to use voltmeter function

- 4.1 Connect the jump starter clamps to the EC8 connector on the Jump-Starter;
- 4.2 Connect the red (+) clamp to the positive (+) terminal on the vehicle battery and the black (-) clamp to the negative (-) terminal on the vehicle battery, and make sure that the connections are good;
- 4.3 At this time, the START light on the main interface flashes, and the overall positive and negative voltages of the jump starter connected in parallel with the vehicle are displayed at the same time, and it enters the starting mode. To check only the voltage of the car battery, short press the "ON" button to exit the starting mode and enter the measurement Mode, the "START light" goes out, the display only displays the voltage value of the car battery, so as to determine whether the car battery is damaged;
- 4.4 Disconnect the clamps of jump starter from the car battery and exit the voltmeter function mode.



5. How to use the air inflator function?

- 5.1 The inflatable hose is connected to the output port of the air inflator, and then tighten the nut, and the other end is connected to the car tire;
- 5.2 To wake the JTM (short press the "In Red" button or short press the "In Green" button) to enter the air inflator mode;
- 5.3 Short press the "BAR/PSP" button to switch the pressure unit of tire pressure: BAR, PSI;



Pressure conversion table	Unit	Bar	kPa	PSI	Kgf/cm2
	Value	1	100	14.5	1.02

5.4. To set the target tire pressure value, you must first know the tire pressure requirements of the tire. (For the standard tire pressure value of the tire, you can check the pressure value mark on the tire, or check the manual of the inflated product), set the target tire pressure value by pressing "+" . After setting, the value will flash for 3 seconds, exit the setting state and enter the real-time monitoring state of tire pressure;

(Safety reminder: If the target tire pressure value of the tire is not set, directly turn on the air pump. At this time, the air pump will not automatically charge and stop, it needs to be turned off manually, if the tire pressure is not monitored in realtime, there will be The risk of excessive tire pressure or puncture)

5.5. Long Press the "PUMP" button for 2 seconds to turn on the air inflator. When the tire pressure reaches the set value, the air inflator will be turned off automatically. To turn off the inflator manually: press the "PUMP" button or the "Switch" button;

5.6. Remove the inflatable hose.

(Safety reminder: During the inflation process, the heat generated by the air inflator will cause local high temperature. Please leave the product for 10 minutes to dissipate heat before removing the inflation tube to prevent scalds)

Specifications

Functions	Content	Specific parameters
Power Bank	Capacity	55.5WH
	Charging Temperature	0℃~45℃
	Storage Temperature	-20℃~50℃
	Output USB-A	5V/3A,9V/2A,12V/1.5A(18W MAX)
	Output USB-C	5V/3A,9V/3A,12V/3A,15V/3A,20V/3A(60W MAX)
	Input USB-C	5V/3A,9V/3A,12V/3A,15V/3A,20V/3A(60W MAX)
	Remark	Maximum output: 5V/4A (USB-A & USB-C all in working)
Jump Starter	Starting Voltage	12V
	Starting Current	1000A
	Peak Current	2000A
	Operation Temperature	-20℃~50℃
	Gasoline Engine Rating	≤8.0L
	Diesel Engine Rating	≤6.0L /
Air Inflator	Pressure Range	10~150psi
	Sensor Accuracy	±2psi
	Air Flow Volume	40L/Min
	Unit Switching	BAR/PSI
	Others	Built-in Inflation, Support Tire Pressure Detection, Preset Filling and Stopping
LED	Lumens	300Lumens
	3 Modes	SOS/Constant Light/Strobe

How To Charge Your Jump Starter

Accessories Preparation:

1. A power adapter supporting PD protocol.
2. USB-A To USB-C connection cable or USB-C To USB-C connection cable.

Charging method:

1. The A port of the charging cable is connected to the power adapter and the C port is connected to the USB-C charging port of the product.
2. The C port of the charging cable is connected to the power adapter, and the other C port is connected to the USB-C charging port of the product.

Screen power indicator lights up and "running light", the IN icon lights up, indicating that the product is charging normally, and the two lightning symbols are long for fast charging. When the product runs out of power or in the case of low power, please charge it in time to prevent abnormal battery undervoltage. Long-term zero power state may cause the JTM can not be charged.

How To Use The USB-A To Charge Your Mobile Phone

Accessories Preparation: USB-A To USB-C connection cable, cell phone (if the phone supports 9V2A with QC3.0 protocol, it can support 9V2A fast charging).

Connect the A port of the USB cable to the JTM and the C port to the Type-C charging port of the phone, and the "OUT" icon of the product will flash after successful charging.

Note:

The OUT icon flashes when the USB-C output alone is used to successfully charge the device, and the OUT icon lights up when the USB-C and USB-A outputs are used at the same time.



How To Use The USB-C To Charge Your Mobile Phone

Accessories Preparation: USB-C To USB-C cable, cell phone (if the phone supports PD protocol, it can support 20V 3A fast charging).

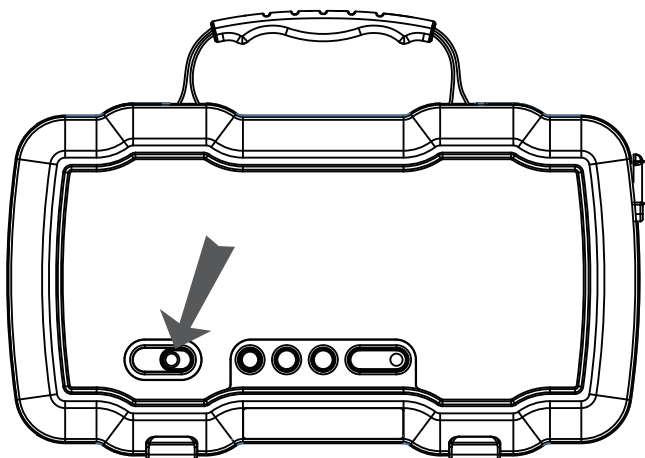
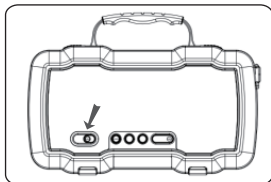
Connect one end of the USB-C to USB-C cable to the JTM and the other end to the Type-C charging port of the phone, and the "OUT" icon of the JTM will flash when charging is successful.

Note:

The OUT icon flashes when the USB-C output is used alone to successfully charge the device, and the OUT icon lights up when the USB-C and USB-A outputs are used simultaneously.

LED Light

1. Long press the "LED light control" button for 1 second, the LED light will be on.
2. Cycle short press the "LED light control" button, can switch mode: long bright, strobe, SOS, off.
3. Long press the "LED light control" button for 2 seconds, you can force the LED light off.



8. Error Code Display Description

NO.	ERROR CODE	EXPLANATION	REASON/SOLUTION
1	100	Excessive voltage difference	Return to factory for repair
2	110	Charging overvoltage protection	Disconnect the charger
3	140	Discharge undervoltage protection	Connect the charger
4	150	Discharge over temperature protection	Wait for the device to cool down
5	160	Discharge under temperature protection	Put the device at the right temperature
6	170	Temperature error	Product ambient temperature too high / too low / NTC disconnection or short circuit
7	200	Communication abnormal	Restart the device
8	201	Abnormal charging communication	Restart the device
9	310	Air inflator short-circuit protection	Restart the device
10	320	Air inflator over-current protection	Restart the device
11	330	When starting the current air Pressure is greater than the set air pressure	Reset the proper air pressure
12	410	When starting, under-voltage protection	Connect the charger
13	411	Before starting, under-voltage protection	Connect the charger
14	420	Start over temperature protection	Wait for the device to cool down
15	430	The external battery voltage is greater than the device voltage	The display voltage is lower than 12V, and the device voltage is low. Please connect the charger to recharge. If the display voltage is higher than 12V, the car battery is normal; or the car battery voltage is too high, which is not suitable for this product, please use an jump starter that supports higher voltage
16	440	Reverse connection of jump starter clip	Connect the battery correctly
17	450	AUTOSTART FAILED	After confirming the correct connection, refer to the manual to use the forced start
18	470	Voltage difference abnormal protection before starting	Return to factory for repair
19	480	Continuous start protection	Wait 30 seconds and start again

Safety Instructions

Please read the following instructions carefully before using the multi-function vehicle emergency starter (hereinafter referred to as the jump starter):

1. Please strictly follow the instruction manual to operate. If used improperly or against the instructions, it may cause a serious safety incident;
2. Only for starting 12V engine and can not start vehicles exceeding specified displacement or voltage;
3. Under the forced start mode, part of the security protection mechanism is invalid, so please use with caution, and check the instruction manual before usage;
4. If you start to pump up your tires without setting a target tire pressure value, the air inflator will not automatically stop pumping and instead you will need to manually stop it. There's risk of over-inflated tires or a blowout condition if the tire pressure is not kept under observation in real time;
5. The air inflator generates heat when used, especially at the air nozzle. Do not touch the air inflator immediately after pumping, and we suggest you wear gloves to protect yourself against burning;
6. In order to prolong the life of battery, please charge the device after purchase, and charge and discharge the device every three months to ensure that it is in good condition for the next use;
7. Do not use a jump starter that has been severely hit, dropped or other damaged;
8. Please do not disassemble the jump starter without authorization. Please contact a professional maintenance personnel for repairing the jump starter;
9. When the jump starter is charging, do not use it to start the vehicle;
10. Be extra cautious during operation to avoid metal tools falling on the jump starter interface (it is easy to cause a short circuit, equipment damage, or an explosion);
11. When using the jump starter, ensure that the surrounding area is well ventilated;
12. When starting the vehicle, make sure that the positive and negative contact points on the cable clamp of the jump starter are in good contact with the positive and negative poles of the battery;
13. Sparks and flames contacting the jump starter and engine is forbidden;
14. To prevent sparks from short-circuiting & damaging the jump starter it's forbidden to clamp the positive and negative poles of the clamp together or touch the same metal;
15. Do not place the jump starter where children can reach it;
16. Do not expose the jump starter to rain or snow;
17. Do not leave the device in extreme environments for a long time (high temperature: above 131°F (55°C), extreme cold: below 14°F (-10°C), humid: humidity>80%);
18. Store the jump starter in a cool, dry place & take protective measures if necessary;
19. Charge the product in time to prevent battery low-voltage or out of power. Long time no power status of battery may cause the product to fail to charge

Cautions

There is no user-serviceable part of the equipment, do not disassemble the start-up power supply without permission, any maintenance should be handled by professional maintenance personnel.

1. When the battery capacity is greater than 50%, it can be used to start the vehicle quickly, insufficient power may not be able to effectively start the vehicle.
2. Some heating of the body is normal after the jump starter started or after the air pump function is used.
3. In order to maximize the life of the built-in battery, please charge the jump starter at least once every 3 months.
4. If the jump starter leaks or emits any odor, please stop using it and contact us immediately.
5. Please do not connect the red clamp to the black clamp, which may cause danger.
6. Please use only the original ignition clamps.
7. Keep away from fire and water sources to avoid causing safety accidents.
8. Do not expose the jump starter to temperatures above 60 °C or to sunlight; store the jump starter in a cool, dry place.
9. Do not disassemble or modify the product without approved authorization.
10. Do not hit, press or shake the jump starter, otherwise it may cause fire, explosion and burning.
11. Do not use chemical cleaning agents to clean the jump starter.
Keep the JTM away from children.

Disposal and recycling

1. Do not dispose of the product with other household waste at the end of its service life to prevent irreparable harm to the environment or humans.
2. Please separate it from other types of waste and recycle it in a responsible manner to promote the sustainable use of material resources.

Warranty Regulations

We provide a limited warranty against any defects in materials and workmanship for a period of 12 months from the date of purchase by the user, subject to the following conditions:

1. Proof of receipt (order page details/invoice, etc.) must be provided by the purchaser through a regular dealer channel for after-sales applications.
2. The warranty does not cover damage or failure caused by normal wear and tear, physical damage, improper installation, misuse, modification or repair by unauthorized third parties.
3. We are not responsible for any loss or damage caused by third parties in transit or due to force majeure.
4. We are not responsible for any incidental or consequential damages arising from the use or misuse of the JTM.
5. All warranty declarations are limited to the repair or replacement of defective products and are made at our sole discretion.
6. If we repair or replace the product, the JTM will be covered for the remainder of the original warranty period. Repair or replacement may involve the use of functionally identical refurbished equipment, returned or exchanged products or accessories, at our sole discretion.
7. Expendable parts such as batteries are not covered by the warranty.
8. The warranty regulations are subject to final change and interpretation by the merchant.