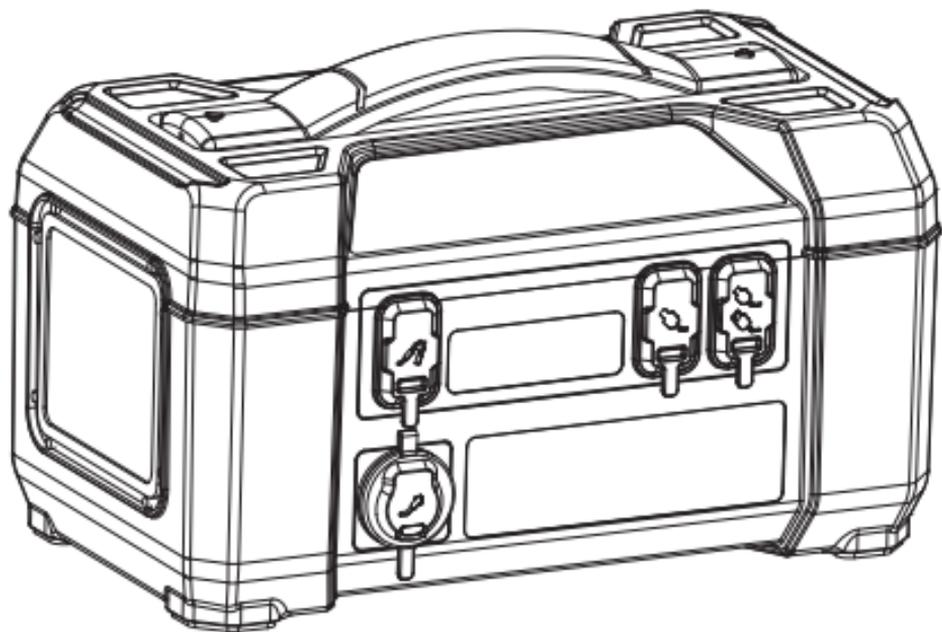


LOKTHOR

JUMP STARTER
CAR WASHER & **SINI**

User Manual
Bedienungsanleitung

AW401

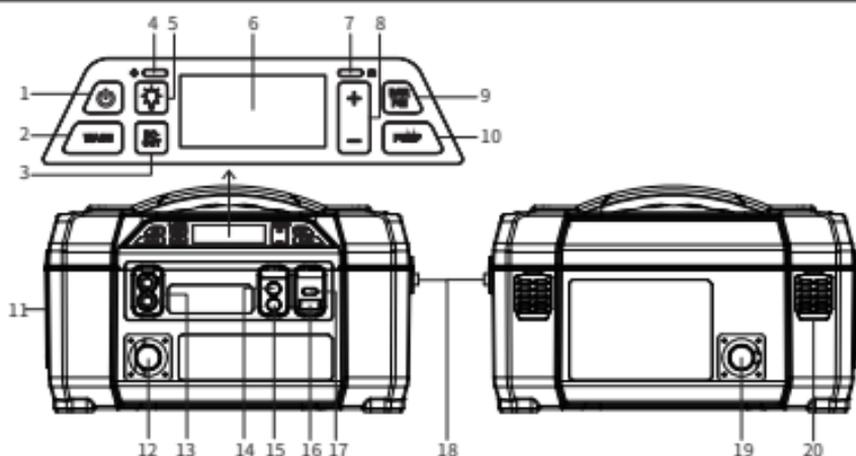


The Force of Thunder in Hand

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1. Product Overview



NO.	Function Description	NO.	Function Description
1	Power-on Wake-up Button	11	LED Light
2	Water Pump Switch Button	12	Water Outlet
3	DC Output Power Button	13	Jumpstart Output
4	Red Light (Abnormal alarm indicator)	14	DC Output(12V-16.8V, Max Current 10A)
5	LED Light Power Button	15	DC Input (60W Max)
6	Display Screen	16	USB-A Port (18W Max)
7	Green Light (flashing during emergency start, the light keeps on during forced start)	17	USB-C Output/Input (60W Max)
8	Preset Tire Pressure Button	18	Air Pump Output
9	BAR/PSI Unit Switch Button and Force Start Switch	19	Water Inlet
10	Air Pump Power Button	20	Vent

2. Parameter Specifications

Function	AW401	Specific parameters
Jump Starter	Starting voltage	12V
	Starting current	1500A
	Peak current	2500A
	Operating temperature	-20°C~50°C
	Gasoline Engine Rating	≤8.5L
	Diesel engine rating	≤6.5L

Function	AW401	Specific parameters
Air Pump	Inflation pressure range	10~150 PSI
	Sensor Precision	±2 PSI
	Airflow	35L/Min
	Unit switching	BAR/PSI
	Other functions	Built-in air pump, support tire pressure detection, preset charge and stop, air pressure unit switching
Water Pump	Operation Pressure	1.5mpa(MAX)
	Rated water flow	7~9L/min
	Maximum suction lift	5M
	Self-suction height	3M
	Maximum lift distance	100M
	Maximum water outlet distance	50M
	Operating temperature	5°C~50°C
Power Bank	Capacity	74Wh
	Charging temperature	0°C~45°C
	Storage temperature	-20°C~50°C
	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)
	Output DC	12~16.8V/10A(MAX)
	Input DC	12V/5A (60W MAX)
	Input USB-C	5V/3A,9V/3A,12V/3A,15V/3A,20V/3A(60W MAX)
LED	Luminous flux	500Lumens

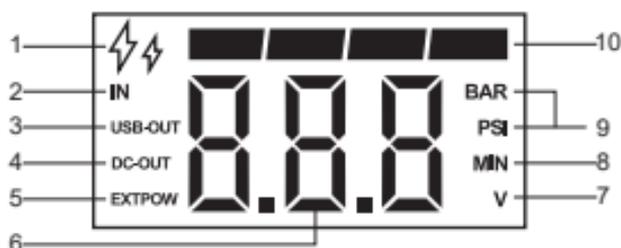
3. What is Included

Product unit	LO-CLAMP -Pro	12V adapter	Air pump accessories	Car wash accessories
				

water inlet/ outlet pipe	Nipple connector /Wrench	USB-C cable	USB-A to USB-C cable	User manual
				

4. Operation Process

4.1 Display Interface Description



NO.	Description	NO.	Description
1	Fast charge indicator	6	Digital display area
2	Charging indicator	7	Voltage indicator
3	USB-A/USB-C output indicator	8	Time unit indicator
4	DC output indicator	9	Pressure unit indicator
5	External input indicator	10	Battery indicator

4.2 How to Wake up the Product

Short press  button or LED light power button  to wake up the product.

4.3 How to Use the Car Jumpstart Function

a. Method one: Normal jumpstart

- ① Connect the positive and negative of the product clamps to the positive and negative of the car battery respectively, and make sure the connection is good;
- ② Wake up the product, short press the "LED light" button or short press the "Switch" button, if the connection is good, the green light on the display panel will be on and flashing, and the positive and negative voltages of the startup power supply in parallel with the car will be displayed at the same time. The car can be started at this time;
- ③ If the car starts successfully, short press the switch button to exit the jump starter function, and pull out the jump starter clamp.

- ④ In most cases, the vehicle will start successfully at the first start operation. Some vehicles may need to be connected to the Jumpstarter for 30~120 seconds (At this time, the product will recharge the car battery) to start the operation. If the vehicle does not start immediately, please wait 20-30 seconds, then try again, no more than 5 consecutive starts within 15 minutes;
- ⑤ After use, please remove the clamps, long press the "Power" button for 2 seconds to shut down. The product will shut down automatically without operation for 60 seconds.

b. Method two: Force Start

(Safety reminder: Some safety protection mechanisms in this mode are invalid and need to be used with caution. Be sure to prevent the positive and negative from being connected together to cause a short circuit, otherwise it will lead to product damage, sparks, and other more serious consequences. You must check before operation manual)

- ① When the normal start function fails, for example: 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 manual.
- ② Step 1: Insert the Clamps cable connector into the EC8 jumpstart output port of the product.
- ③ Step 2: In the power-on state, long press the "BAR/PSI" button for 5 seconds to enter the forced start mode. At this time, the green light on the main interface will be on, indicating that the jumpstart output is turned on. At this time, prevent the positive and negative from being connected together to cause a short circuit; (In this mode, it is required to turn on the forced start function first, and then connect the clamps to the car battery, otherwise the output cannot be turned on)
- ④ Step 3: Connect the positive and negative of the clamps to the positive and negative of the car battery respectively (there will be a slight spark during the connection process, which is normal), and make sure that the connection is good. At this time, the product display screen will display the voltage of the jumpstarter in parallel with the car battery, and the car can be started;
- ⑤ Short press the "Power" button  or the "BAR/PSI" button  to exit force start mode.

4.4 How to Use the Voltmeter Function

- a. Connect the clamps to the product EC8 jumpstart output port.



b. Connect the positive and negative of the clamps to the positive and negative of the car battery respectively, and make sure the connection is good;



c. At this time, the green light on the main interface will flash, and the voltage of the Jumpstarter in parallel with the car battery will be displayed. After entering the start mode, if you want to only check the voltage of the car battery, short press the "Power" button to exit the start mode, the Jumpstarter will enter the measurement mode, and then the "green light" will go out, and the display only shows the voltage value of the car battery.



d. Disconnect the jumpstarter clamps from the car battery and exit the voltmeter function mode.



4.5 How to use the air compressor function

a. Please connect the air pipe to the output port of the air pump, tighten the nut, and connect the other end to the car tire;



b. Wake up the product first by short press the LED light button or the power, then hold the pump button for 2 seconds to turn on the function.



c. BAR、PSI； Short press BAR/PSI button to switch the tire pressure unit

Tire pressure unit converting chart	Unit	Bar	KPa	PSI	Kgf/cm2
	Value	1	100	14.5	1.02

d. Set the target tire pressure value, be sure to confirm the tire pressure requirements first;

(For the standard tire pressure value of the tire, you can check the air pressure value marked on the tire, or check the instruction manual of the inflated product). Set the target tire pressure value by the "+/-" button. After the setting is completed, the value flashes for 3 seconds and exits setting state, the product will enter the real-time monitoring tire pressure state; (Safety reminder: if the air pump was turned on without pre-setting the tire pressure value, the air pump will not automatically charge and stop, and it needs to be manually turned off. If the tire pressure is not checked in real time monitoring, there is a risk of over-inflated tires or tire blowouts)

e. Long press "PUMP" button for 2 seconds, the air pump will be turned on, when the tire pressure reaches the set value, the air pump will be automatically turned off. How to turn off the air pump manually : short press the "PUMP" button or short press the "Switch" button;

f. Remove the tire pipe

(Safety reminder: During the inflation process, heat will be generated by the air pump which will cause high temperature of sectional machine body. Please set the product aside for 10 minutes to dissipate heat to prevent burns, then disassemble the inflation tube)

4.6 How to Operate the DC Output

a. In the power-on state, long press the DC-OUT button for 3 seconds, the DC output is turned on.

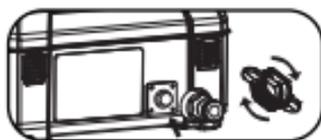
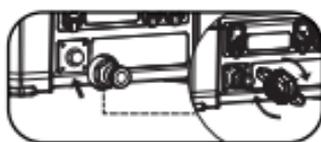
b. Short press the DC-OUT button to turn off.



4.7 How to Operate the Water Pump

How to connect:

- ① Connect the nipple connector (male) to the water outlet, use the provided wrench to rotate and tighten it, and connect the water pipe connector (female) to the nipple connector (male).
- ② Connect the connector (female) of the water outlet pipe to the (male) of the water pipe connector.
- ③ Connect the high pressure water gun to the other end of the high pressure water pipe.
- ④ Connect the nipple connector (male) to the water inlet, use the provided wrench to tighten it, and connect the water pipe connector (female) to the nipple connector (male).
- ⑤ Connect the inlet high-pressure water pipe connector (female) to the water pipe connector (male).
- ⑥ Connect the filter of the high-pressure water pipe to the bucket.



How to turn on the water pump

- ① In the power-on state, long press the WASH button for 3 seconds, the water pump is turned on.
- ② Short press the WASH button to turn off the water pump.



4.8 External Power Supply Function

Connect the car cigarette lighter with the product's DC output port to supply power to the product, at this time the EXTPOW icon will be light on.



After the EXTPOW icon is on, the following functions are available but the functions cannot be used at the same time.

LED output	USB-C output	Air pump function
Water pump function	USB-A output	/

5. Product Charging Method

Ready to charge: power adapter that supports PD protocol, USB-C To USB-C cable, Cigarette lighter plug to DC wires;

Two Charging Ways :

- ① Using the USB cable to connect the power adapter with USB-C charging port of the product
- ② Using the cigarette lighter plug to DC wires to connect the car cigarette lighter and DC input port of the product

The battery indicator on the screen is on in marquee, the IN icon is on, indicating that the product is charging normally, if the two lightning symbols are on means fast charging.

When the power of the product is exhausted or in the case of low power, please charge it in time to prevent abnormal battery undervoltage. Long-term zero battery state may cause the product to fail to charge.

6. Charge Your Phone with USB-A

Ready to charge your phone: USB-A To USB-C cable, mobile phone (if the mobile phone supports 9V2A of QC3.0 protocol, it can support 9V2A fast charge)

Connect the A port of the USB cable to the product, and the C port to the Type-C charging port of the mobile phone. After the charging is successful, the "OUT" icon of the product flashes (Note: When the USB-C output is used alone to charge the electrical device successfully, the OUT icon flashes, When USB-C and USB-A are outputting at the same time, the OUT icon will light up).



7. LED Light Function

- ① Press the "LED light control" button for 1 second, the LED light will turn on.
- ② Short press the "LED light control" button to switch modes: light, strobe, SOS, off.
- ③ Press the "LED light control" button for 2 seconds to turn the LED light off.



8. Troubleshooting

NO.	Error code	Code Explanation	Cause/Solution
1	100	Voltage error	Return to factory for repair
2	110	Over-voltage protection	Discharge the battery
3	150	Over temperature protection	Wait for the device to cool down
4	160	Low temperature protection	Low temperature environment which need to increase the temperature
5	170	temperature error	Temperature environment too high/low/NTC disconnection or short circuit
6	200	Product problem	TNeeds to be returned to the factory for repair
7	310	Charge and discharge short circuit	Restart the device
8	320	Charge/discharge Overcurrent	Restart the device
9	330	When inflating, the current air pressure is greater than the set air pressure	Reset the proper air pressure
10	410	Undervoltage protection during jumping start	Connect the charger
11	411	Undervoltage protection before Jumping start	Connect the charger
12	420	Start over temperature protection	Wait for the device to cool down

NO.	Error code	Code Explanation	Cause/Solution
13	430	The external battery voltage is greater than the device voltage	1.If the displayed voltage is lower than 12V, the device voltage is low, please connect the charger to supply power. 2.If the displayed 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 igniter that supports higher voltage.
14	440	Clamps reversed connected	Connect the car battery correctly
15	450	Short circuit when started	Restart the device
16	470	Voltage difference protection before starting	Return to factory for repair
17	480	Continuous start protection	Wait 30 seconds to start again

9. Safety Instructions

Please read the User Manual carefully before using the LOKITHOR AW401 multi-function startup power supply

- ① Please operate in strict accordance with the instructions, improper operation may lead to serious safety accidents.
- ② The starting power supply is only used to start the 12V engine, and cannot start vehicles that exceed the specified displacement or exceed the specified voltage (12V).
- ③ Forced start mode, in this mode, part of the safety protection mechanism is invalid. Please use with caution, be sure to prevent short circuit to connect wrong with positive and negative poles, otherwise it may cause accident. Please check the operating instructions carefully before operation.
- ④ In air pump working mode, if not set the target tire pressure, but directly turn on the air pump, the air pump will not automatically stop inflating which needs to be turned off manually. If the tire pressure is not monitored in real time, the tire pressure may be too high to burst.
- ⑤ During the normal operation of the air pump, high temperature will be generated, especially of the air nozzle. Do not touch it immediately. It is recommended to wear gloves to prevent high temperature burns.
- ⑥ When using the water pump, it is necessary to check if there is a power supply around. Please avoid the power supply to avoid electric shock and short-circuit fire.
- ⑦ The water pump must not suck in fluxes, liquids containing solvents or undiluted acids. Also do not inhale gasoline, paint thinners and fuel oils, as well as extremely flammable, explosive and toxic sprays.

- ⑧ In order to prolong the service life of the internal battery, please charge the device in time when you get it, and charge and discharge the device every three months to ensure that the starting power is in good condition for the next use.
- ⑨ Do not use the product that has been excessive shocked, dropped or other forms of damage.
- ⑩ Do not disassemble the product. Please contact professional maintenance personnel to repair and handle the abnormal product.
- ⑪ Do not use the product to start the vehicle while the product is in charging.
- ⑫ Be careful during operation to avoid metal tools falling on product interface (it may cause short circuit, equipment damage and explosion).
- ⑬ When using the product, ensure that the surrounding area of the starting power supply is well ventilated.
- ⑭ When jump starting the car, make sure that the positive and negative poles of the cable are in good contact with the positive and negative poles of the car battery.
- ⑮ Prohibit sparks, flames near the product and car engine.
- ⑯ In order to prevent short-circuit sparks from damaging the product, it is forbidden to clamp the positive and negative clamps together or contact the same metal.
- ⑰ Keep this product away from children.
- ⑱ Do not expose the product to rain and snow.
- ⑲ Do not place the device in extreme environments for a long time (such as high temperature: greater than 131°F (55°C), extreme cold: less than 14°F (-10°C), humidity: humidity > 80%).
- ⑳ Please store the product in a cool and dry place, and take protective measures when necessary.
- ㉑ When the product power is exhausted or in low power, please charge it in time to prevent battery undervoltage. Long-term zero-voltage states may cause the product to fail to charge.

10. Precautions

There is no maintainable part of the device for user, do not disassemble the product. Any maintenance should be handled by professional maintenance personnel.

- ① When over 50% capacity, the product can be used to start the vehicle quickly, with insufficient power may not be able to start the vehicle effectively.
- ② It is normal for the body to heat up after the product is turned on or the air pump function is used.
- ③ In order to maximize the product cycle life, please charge it at least once every 3 months.
- ④ If the product leaks or emits any odor when turn on, please stop using it and contact us immediately.
- ⑤ Do not connect the red clamp to the black clamp, it may cause danger.
- ⑥ Please only use the original clamps.
- ⑦ Please keep the product away from fire and water to avoid accidents.
- ⑧ It is forbidden to soak the product in water, and the water gun cannot spray water on the machine to avoid contact water or other liquids with the water inlet and outlet.

- ⑨ Do not place the product in an environment above 60°C or expose it to sunlight; please store the unit in a cool and dry place.
- ⑩ Do not disassemble or modify this product without authorization.
- ⑪ Do not hit, press or shake violently to start the product, otherwise it may cause fire, explosion and combustion.
- ⑫ Do not use chemical cleaners to clean the product.
- ⑬ Keep this product away from children.
- ⑭ After using the water pump function, please clean up the water before saving it to prolong its cycle life.
- ⑮ **The machine is not allowed to be placed upside down or tilted more than 30°.**

11. Handling & Recycling

- ① Do not dispose of it with other household waste to prevent irreparable harm to the environment or humans.
- ② Please separate it from other types of waste and recycle it responsibly to promote the sustainable use of material resources.

12. Warranty

For any defects in material and workmanship, 12 months warranty offered from the date of purchase by the user, subject to the following conditions:

- ① The purchaser must provide the receipt proof (order page details/invoice, etc.) of the regular dealer channel to apply for after-sales.
- ② The warranty does not cover damage or malfunction caused by normal wear and tear, physical damage, improper installation, misuse, modification or repair by unauthorized third parties.
- ③ Any loss or damage caused by a third party in transit or due to force majeure will not be warranted.
- ④ Any incidental or consequential damage caused by misuse are not included.
- ⑤ All warranty claims are limited to repair or replacement of defective products at our sole discretion.
- ⑥ If repair or replace the product, the product will cover the remainder of the original warranty period. Repairs or replacements may involve the use of functionally identical refurbished equipment, returned products or accessories, at our discretion.
- ⑦ Consumable parts such as batteries are not covered by the warranty.
- ⑧ The final change and interpretation right of the warranty regulations belongs to the merchant.

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