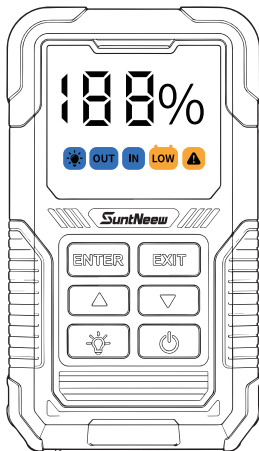


资料提供		设计制作	
尺寸	80x103mm	修改调整	刘小俊
材质	128g铜版纸	商务部审核	张叶清
工艺	骑马钉	产品部审核	范勇
备注	有任何疑问继续联系相关作业人员	制作/调整日期	2026/06/01



QUICK-START GUIDE

OJ02 Jump Starter & OBD2 DIAGNOSTIC

Please read this user manual carefully before usage.

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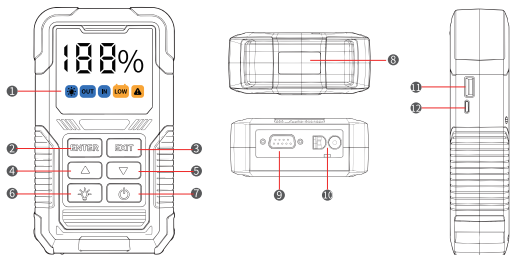
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1 GENERAL SCANNING TOOL INFORMATION

1.1 Product Introduction

This device is a multifunctional automotive tool that combines professional-grade onboard diagnostics with an emergency jump starter. By connecting to the vehicle's standard OBD port, it can read data from the Electronic Control Unit (ECU), helping you quickly assess vehicle health and diagnose faults. At the same time, its built-in high-rate battery pack serves as an emergency jump starter, delivering a powerful starting current when the vehicle battery is low—eliminating the need for extra jumper cables or assistance from others.

1.2 Product overview

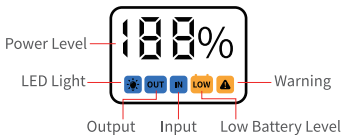


- | | | | | |
|--------------------|----------------|---------------|-------------------|-----------------|
| ① Display | ② Enter Button | ③ Exit Button | ④ Previous Button | ⑤ Next Button |
| ⑥ LED Light Button | ⑦ Power Button | ⑧ LED Light | ⑨ OBDII Interface | ⑩ EC5 Interface |
| ⑪ USB Output | ⑫ USB-C Input | | | |

1.3 Basic Parameters

Product Name	Jump Starter & OBD2 DIAGNOSTIC
Model	OJ02
Battery Capacity	29.6Wh
Start Current	750A
Peak Current	1500A
Charging Input	5V=2A
USB Output	5V=3A, 9V=3A, 12V=3A
Applicable Vehicle Voltage	12V

1.4 Display Overview



2 HOW TO USE OBD2

2.1 Connecting to the Vehicles

- 1) Locate the vehicle's OBD diagnostic port (usually located under the driver's side dashboard, near the steering column).
- 2) With the vehicle turned off, use the DLC (Data Link Connector) to connect this device to the vehicle's OBD diagnostic port.
- 3) Turn the vehicle key to the ON position (the engine does not need to be started, but the dashboard should light up).
- 4) The device will automatically power on and enter the main menu interface.



2.2 Diagnostic Functions

Used to perform a comprehensive scan of all vehicle systems, read diagnostic trouble codes (DTCs), and view live data. Check the test items and enter the diagnostic function menu.

Information	
MIL STATUS	OFF
DTC CNT	0
MONITOR OK	9
MONITOR INC	0
MONITOR N/A	2
IGN TYPE	SPARK

- 1) **Read Fault Codes:** Retrieve stored Diagnostic Trouble Codes (DTCs) from the vehicle's ECU to locate the faulty system or component. The device will display both the code and its text definition.
- 2) **Clear Fault Codes:** Delete all stored trouble codes and freeze frame data from the ECU, and turn off the malfunction indicator lamp (MIL) on the dashboard. Note: Clearing codes will reset the I/M readiness status. The vehicle needs to be driven for a certain distance to allow the system to re-run its self-tests.
- 3) **Live Data Stream:** Display real-time dynamic values from various sensors, such as engine RPM, coolant temperature, oxygen sensor voltage, throttle position, etc. Helps analyze engine operating conditions and determine whether sensors are malfunctioning.
- 4) **Read Freeze Frame Data:** View the "snapshot" data automatically saved by the ECU at the moment a fault occurs (e.g., vehicle speed, coolant temperature, RPM at that time). Used to recreate fault conditions and assist in precise diagnosis.

5) **Read Vehicle Information:** Retrieve the vehicle's VIN (Vehicle Identification Number), ECU calibration ID, and CVN (Calibration Verification Number). Used to verify vehicle identity or confirm the ECU software version.

6) **Readiness Status:** Display whether emissions-related systems (such as the catalytic converter, oxygen sensors, EGR, etc.) have completed self-diagnostics. The status will show either "Complete" or "Incomplete." Before annual vehicle inspection, ensure critical items show "Complete."

7) **Mode 6:** A diagnostic service mode defined in OBD II for reading test results from non-continuously monitored systems (e.g., catalytic converter efficiency, oxygen sensor response time, etc.). Designed for professional technicians, providing more detailed monitoring data than standard fault codes.

8) **Oxygen Sensor Test:** Specifically reads oxygen sensor test data, including voltage waveforms, response time, switching frequency, etc. Used to determine whether an oxygen sensor is aged, slow to respond, or faulty.

9) **Component Test:** Sends commands to the ECU to actively actuate components (e.g., triggering injectors, turning on the radiator fan, closing the EGR valve, etc.). Used to verify whether actuators are functioning properly. This is an advanced diagnostic function.

10) **This product supports nine major protocols:**

- ❶ SAE J1850 PWM (41.6 Kbaud)
- ❷ SAE J1850 VPW (10.4 Kbaud)
- ❸ ISO9141-2 (5 baud init, 10.4 Kbaud)
- ❹ ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
- ❺ ISO14230-4 KWP (fast init, 10.4 Kbaud)
- ❻ ISO15765-4 CAN (11bit ID, 500 Kbaud)
- ❼ ISO15765-4 CAN (29bit ID, 500 Kbaud)
- ❽ ISO15765-4 CAN (11bit ID, 250 Kbaud)
- ❾ ISO15765-4 CAN (29bit ID, 250 Kbaud)

Abbreviations Explanation of IM Readiness:

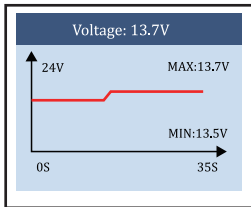
No.	Abbreviation	Name	No.	Abbreviation	Name
1	MIL	Malfunction Indicator Lamp (MIL) Status	8	IGN	Ignition Key
2	DTC	Diagnostic Trouble Code	9	PdDTC	Pending DTC
3	MIS	Misfire Monitoring	10	EVAP	Evaporative System Monitor
4	FUE	Fuel System Monitor	11	AIR	Air Conditioning Refrigerant Monitor
5	CCM	Comprehensive Components Monitor	12	O ₂ S	Oxygen Sensor Monitor
6	CAT	Catalyst Monitor	13	HTR	Heated Catalyst Monitor
7	HCAT	Heated Catalyst Monitor	14	EGR	Exhaust Gas Recirculation System Monitor

When the monitor's status is:

- ✔ OK - vehicle was driven enough to complete the monitor.
- ✖ INC (Incomplete) - vehicle was not driven enough to complete the monitor.
- ⊗ N/A (Not Applicable) - vehicle does not support that monitor.

2.4 Battery

Used to monitor the voltage status and charging system performance of a vehicle's 12V battery.



2.5 DTC Lookup

Based on the selected vehicle model and fault code, you can look up the meaning of the fault code as it applies to that specific vehicle.

Select Brand
Generic
Acura
Alfa Romeo
Audi
Bentley
Benz
BMW
Buick

Generic
Please enter the trouble code number
P2001

P2001
Code Definition:
NOx Trap Efficiency Below Threshold Bank 2

2.6 Settings

Allows you to set the language, set the units (two measurement systems: Metric, Imperial), and perform an LCD self-test.

Support 12 languages: English, French, Russian, German, Italian, Japanese, Spanish, Portuguese, Polish, Czech, Simplified Chinese, Traditional Chinese.

Settings
Languages
Unit
Display Test

Languages
English
Français
Русский
Deutsch
Italiano
Espanol
Português
日本語

Languages
中文繁體
中文简体
Polski
Czech

2.7 System Info

Query the device serial number, hardware version, software version, and release date.

System Info
S/N:ZZ50808HS
HW Ver.:1,0
SW Ver.:1,0
Release Date:08/08/2025

2.8 Safety and Precautions

Safety First: Please operate the device only when the vehicle is stationary, shifted into P or N gear, and the parking brake is engaged. Do not operate the device while driving.

Interface Protection: When not in use, unplug the device and replace the protective cover on the vehicle's OBD port to prevent dust and foreign objects from entering.

Fault Diagnosis: The data provided by this device is for reference only. Final diagnosis and repair should be based on the advice of a professional technician.

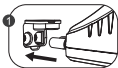
Firmware Updates: Regularly check the version in System Information and visit the manufacturer's official website to obtain the latest firmware to support additional vehicle models.

Impact of Clearing Fault Codes: Clearing fault codes will also clear freeze frame data and some I/M readiness statuses, which may result in the loss of inspection-related information. After repairs and before the annual vehicle inspection, ensure sufficient driving distance has been completed to allow the system to re-run self-tests.

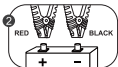
Applicability: This product is intended only for 12V gasoline vehicles. It is not applicable to electric vehicles or 24V trucks.

3 HOW TO JUMP START

3.1 Step to Jump Start Your 12V Vehicle



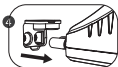
Open the silicon cover of ENGINE port of product, insert the EC5 connector of jumper clamp to the corresponding hole.



Connect the red clamp to the positive terminal (+) and the black clamp to the negative terminal (-) of the battery.



Within 40 seconds, either press the start button of your car or turn the ignition key to the start position to power the engine.



After successful startup, disconnect the plug of the jumper cable from the product and remove the from the positive and negative terminals of the battery.

Note: When starting the car, make sure that the power level of the Product is above 50%. (At least 2 or more battery light bars are ON.)

3.2 Trouble Shooting of the Led Indicator on the Clamp

LED Status	Causes	Solution
Green light blinking	Connecting is right	Ready to connect the car battery
	Reverse charging the battery	Disconnect output
Green light blinking	Do not start engine over 40 seconds after connected	Reconnected the clamp with car battery
Green light bright	All connection is right, ready to start the engine	Start the engine within 40 seconds
Red light bright  Beep	Jump starter low battery	Check the battery level, recharge the product
	Clamps reversed	Correct polarity
	Jump cable over temperature	Waiting to cool down after next start
	Clamps short circuit	Separates the positive and negative clamp

4 LED LIGHTING

- ① Hold the Power Button for 3s
- ② Press Led Light to switch to Lighting, Strobe and SOS mode

5 ATTENTION

5.1 Personal Safety

- ① Store in a cool and well-ventilated place out reach of children and pets.
- ② Do not place the production high temperature environment for a long time. The operation temperature of this product is -4°F-140°F. The storage temperature should not exceed 122°F.

5.2 Electrical Safety

- ① Only start vehicles with the smart jumper cable supplied by the manufacturer.
- ② Do not use the product if the clamp or cable is damaged.
- ③ Do not connect the red and black clamps together when the product is out putting.
- ④ Do not connect the red and black clamps to the same piece of metal.
- ⑤ Do not disassemble or modify this product.
- ⑥ Do not use detergent to clean this product.
- ⑦ Do not abuse this product and avoid heavy dropping or repeatedly hitting it.
- ⑧ Do not operate the product in explosive environments such as flammable liquids gases or dusts.
- ⑨ Do not immerse the product in water.

5.2 Battery Safety

- ① Do not litter the product and it should be safely recycled.
- ② Do not incinerate the product or exposed to high temperatures as they may explode.
- ③ Only use replacement parts or accessories provided or recommended by manufacturer.



FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Made in China