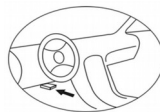


User Manual

It's used to check engine of all vehicles that comply with OBDII, 12V voltage with standardized 16-Pin connector.

Location of the Data Link Connector (DLC):

The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles.



1. PRODUCT INFORMATION

1.1 Tool Description

- ① LCD DISPLAY
- ② Green LED: indicates correct engine operation, no DTC.
- ③ Yellow LED: indicates a possible problem. Some diagnostics could not be performed and/or a DTC is pending.
- ④ Red LED: indicates a problem on engine. The "MIL(Malfunction Indicator Light)" may be on.
- ⑤ BACK BUTTON

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- ⑥ OBDII CONNECTOR
- ⑦ UP BUTTON
- ⑧ OK BUTTON
- ⑨ DOWN BUTTON



1.2 Product Specifications

Operating Voltage	8V-25V
Operating Current	52mA
Operating Temperature	-20°C ~ 70°C (-4F° ~ 158F°)
Storage Temperature	-30°C ~ 80°C (-22F° ~ 176F°)

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Display	128*64 dot matrix monochrome screen, white backlight
Dimensions	(L)115mm*(W)70mm*(H)20mm

1.3 Function Description

- (1) Dual-system diagnostic, optional engine and transmission.
- (2) Quickly indicate engine faults, with green / yellow / red LED indicators as fault lights.
- (3) Read or clear the engine fault code and view DTC definition.
- (4) Display of sensor data stream information, supporting 249 types of parameters.
- (5) View freeze frame data and I/M status information.
- (6) Read vehicle information: vehicle identification number (VIN), calibration identification number(IDs), calibration verification number(CVNs)
- (7) Multi-language.

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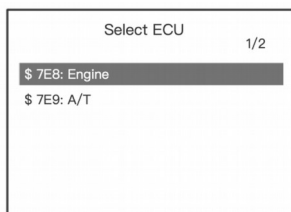
2. INSTRUCTIONS

2.1 Dual-system Selection

Start the car's engine and plug the OBDII connector into the car's OBDII interface.

Enter the main interface; click the "OK" button to start scanning the vehicle (DLC) system, it is detected that the single system enters the engine system by default; enter the dual system selection menu when dual systems are detected, and select the system to be detected.

- (1) \$ 7E8: Engine: Engine system.
- (2) \$ 7E9: A/T: Transmission system.



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2.2 Diagnostic Menu

- (1) **Read Codes:** Read the diagnostic trouble code(DTC) in the engine or transmission system and display the standard definition.
- (2) **Erase Codes:** Clear all DTCs in the system.
- (3) **Data Stream:** Read and display all supported sensor data, up to 249 types of parameters.
- (4) **Freeze Frame:** The freeze frame data records the vehicle operating status information (fault code, vehicle speed, RPM, water temperature, etc.) at the moment when an emission-related fault occurs.
- (5) **I/M Readiness:** I/M Readiness function is used to check the operations of the Emission System on OBD2 compliant vehicles.

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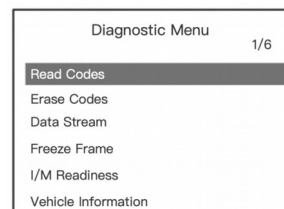
Some latest vehicle models may support two types of I/M Readiness tests:

- A. Since DTCs Cleared - indicates status of the monitors since the DTCs are erased.
- B. This Drive Cycle - indicates status of monitors since the beginning of the current drive cycle.

"OK" : completed diagnostic testing
 "INC" : not completed diagnostic testing
 "N/A" : not supported

(6) Vehicle Information:

Review vehicle identification number (VIN), calibration identification number(IDs), calibration verification number(CVNs)

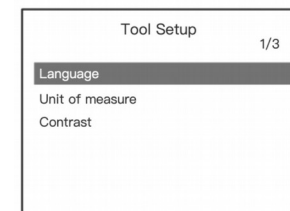


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2.3 Setup

Enter the main interface; click the "UP" button to enter the Setup interface.

- (1) **Language:** The factory default English, other languages can be manually selected.
- (2) **Unit of measure:** Supports metric and imperial units, factory default metric.
- (3) **Contrast:** Backlight contrast is adjustable, factory default 25%.



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