CE FC RoHS Made In China

USER MANUAL

Two-in-One Scanners

Automobile and motorcycle

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Product Introduction

Service Process

To prevent personal injury or unnecessary damage while using the tool,please read this Owner's Manual carefully first and observe at least the following safety precautions when using the vehicle:

* Always perform motorcycle testing in a safe environment.
* Do not attempt to operate or observe tools while driving the vehicle, as it can cause to the operator and may result in a fatal accident.
* Wear safety goggles that meet ANSI standards.
* Keep clothing, hair, hands, tools, test equipment etc., away from all rotating or heated parts of the engine.
* Operate the vehicle in a well-ventilated work area. Exhaust gases are toxic. Place a block in front of the drive wheels, and never leave the vehicle unattended during testing.
* Be extra careful when working around the ignition coil, distributor cap, spark wires, and spark plugs. These components can produce dangerous voltages when the engine is running.
* Place the transmission in P (for A/T) or N (for MT), and make sure the parking brake is engaged.
* Have a suitable fire extinguisher for gasoline/chemical/electrical fires nearby.
* Do not connect disconnect any test equipment with the ignition switch on or the engine running.
* Keep the diagnostic tools dry, clean, and free from oil/water or grease. When necessary, the exterior of the diagnostic tools with a neutral cleaner on a clean cloth.

Product Introduction

This manual is based on the product (M60_V1.0.6).

M60 multi-function two-in-one tester works with all OBD-II compliant vehicles/motorcycles, all OBD-II compliant vehicles require a standard 16-pin DLC connector and OBD-II certification on the emission label.

Motorcycle Diagnostic: Read Fault Code、Clear Fault Code、Battery Test、Battery Voltage Monitoring、Freeze Frame、Live Data、DTC Lookup、Cloud Printing、ECU Information、ECU Reset、Vehicle year identification

Car Diagnostic: Read Fault Code、Clear Fault Code、Battery Test、Battery Voltage Monitoring、Freeze Frame、I/M Status、Component Test、In-Vehicle Monitoring Test、Oxygen Sensor、Cloud Printing、Live Data、DTC Lookup、ECU Information、Vehicle year identification

Supported Protocols

1.ISO9141-2(5 baud init, 10.4 Kbaud)
2.SAE J1850 PWM (41.6 Kbaud)
3.SAE J1850 VPW (10.4 Kbaud)
4.ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
5.ISO14230-4 KWP (fast init, 10.4 Kbaud)
6.ISO15765-4 CAN (11 bit ID, 500 Kbaud)
7.ISO15765-4 CAN (29 bit ID, 500 Kbaud)
8.ISO15765-4 CAN (11 bit ID, 250 Kbaud)
9.ISO15765-4 CAN (29 bit ID, 250 Kbaud)

Product Parameters

Display	2.8-inch TFT color screen (320*240)
Operating temperature	-10~85℃（14~185℉)
Storage temperature	0~70℃（32~158℉)
External	8~30V DC

Appearance Introduction

1). Screen: Displays menu and test results

2). ESC Key: Exit or return to the previous level menu

3). F1 Key: Customize shortcut keys

4). F2 Key: Customize shortcut keys

5). Arrow Keys: Used to move up and down or page through

6). OK Key: Confirm the required option

7). Green Fault Indicator Light: Normal operation (no faults)

8). Yellow Fault Indicator Light: Indicates that there is a DTC that needs to be addressed

9). Red Fault Indicator Light: Indicates that there is one or issues

10). OBD II Connector: Links scanner to vehicle's DLC

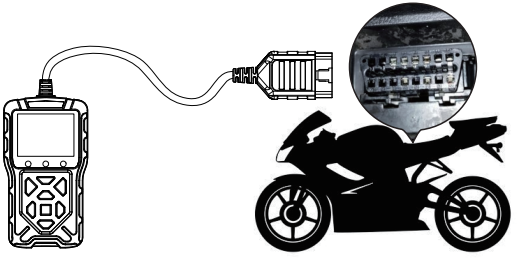
11). TYPE-C: Charge or upgrade

Motorcycle Diagnostic

Connection Motorcycle

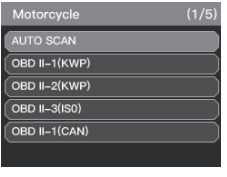
Find the OBD-II diagnostic port of the motorcycle, the position of the port is different for different motorcycles, most of the ports are next to the engine, are under the footboard cover or under the seat.

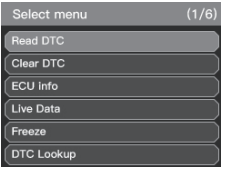
OBD– II Diagnostic Port



Select System

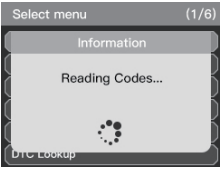
Select【Motorcycle】to auto-scan or the corresponding system for diagnosis; vehicle info displays first, then the function page.

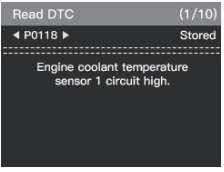




Read Fault Code

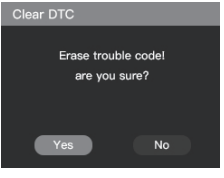
Select【Read DTC】, the screen displays any codes found; for multiple DTCs, page through with [◀][▶] to view all.

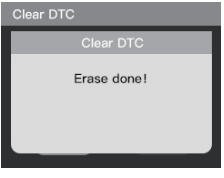




Clear Fault Code

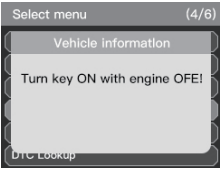
Select【Clear DTC】, will appear asking if you want to Erase trouble code, press the [OK] , a prompt appears after clearing completed, then auto-returning to the previous page.

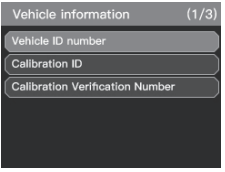




ECU Information

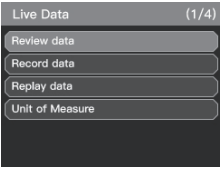
Select【ECU info】to enter the interface, there are 【Vehicle ID number】,【Calibration ID】,【Calibrationification Number】to choose, enter to view information.

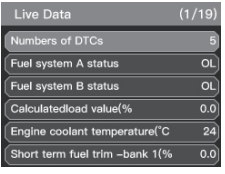




Live Data

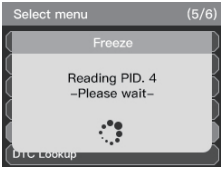
【Live Data】 displays real-time vehicle PID data, all supported data will be displayed, you can quickly browse by pressing the [◀][▶] , or you can select custom data for comparison.
Select【Live Data】to enter the interface, there are 【Review data】,【Record data】【Replay data】,【Unit of Measure】to select.

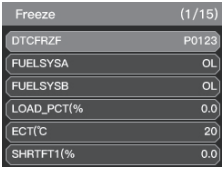




Freeze Frame

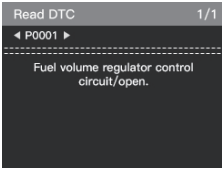
Select【Freeze】to enter the interface, view vehicle operating parameters when DTC is detected, and you can quickly browse by pressing the [◀][▶].





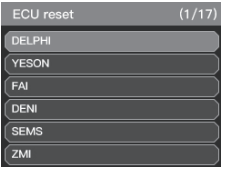
DTC Lookup

Select【DTC Lookup】, follow the prompts on the screen to operate, enter the fault code and press [OK] to confirm, can quickly find the corresponding problem of the fault code.

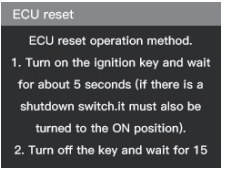


ECU Reset

1.Main interface select【ECU reset】enter the page, and then select the corresponding option according to the motorcycle ECU system.



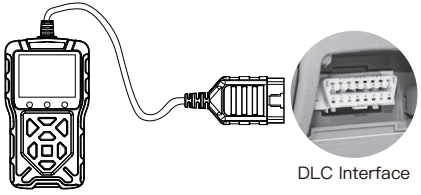
2.After selecting the corresponding system option, press [OK] to see the ECU reset operation method, and follow the steps to complete the ECU reset.



Car Diagnosis

Connection Car

1. Turn off the ignition switch.
2. Find the 16-pin data link connector of the vehicle.
3. Plug the OBD II into the vehicle's DLC.
4. Turn on the ignition switch and the engine.
5. Select【Car】to enter the interface on the main menu.



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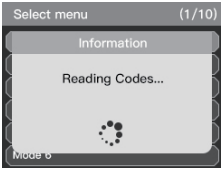

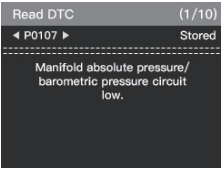

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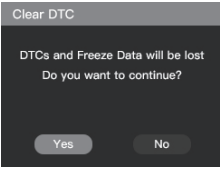
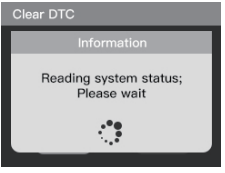
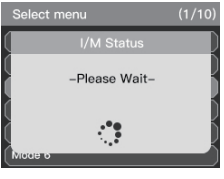


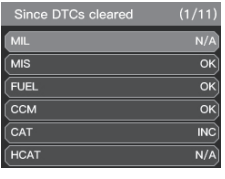


I/M Status

【I/M Status】Check if the vehicle meets national emission inspection requirements.

Select【I/M status】to enter the interface, as shown below:





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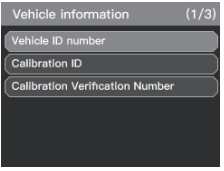

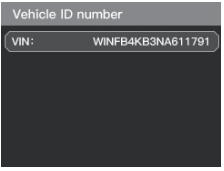

Live Data

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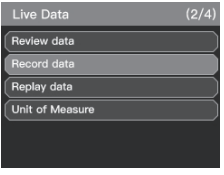
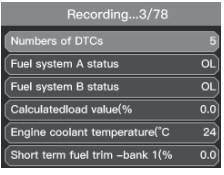
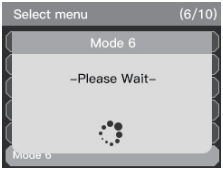


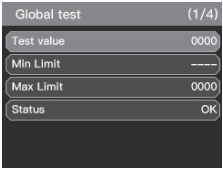


In-Vehicle Monitoring Test

After repair or clearing of trouble codes, the vehicle monitor test is useful, the diagnostic tool allows access to the vehicle monitor test results of specific components, vehicle manufacturers responsible for assigning MID, CID, used to test different systems and components.

Select【Mode 6】, press the [OK] key to continue, the display changes follows:

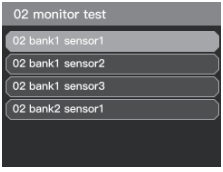


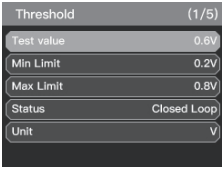


Oxygen sensor

The Oxygen Senser are tested to identify problems related to fuel efhciency and vehicle emissions. The Oxygen Senser test does not support CAN communication protecol, CAN communication protoccl vehicles can be tested in【Mode 6】.

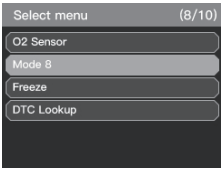
Select【O2 Sensor】and and ensure the ignition switch is in the ON position, the vehicle is powered on but not, select O2 bank1 sensor 1, select enter the threshold display interface:

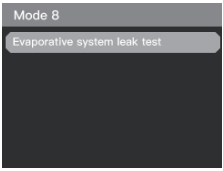




Component Testing

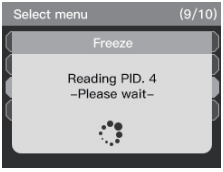
Select【Mode 8】to enter the interface, which can perform evaporative system leak test.

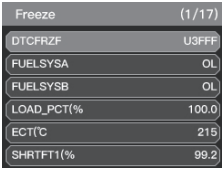




Freeze Frame

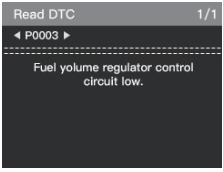
Select【Freeze】to enter the interface, view vehicle operating parameters when DTC is detected, and you can quickly browse by pressing the [◀][▶].





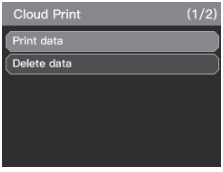
DTC Lookup

Select【DTC Lookup】, follow the prompts on the screen to operate, enter the fault code and press [OK] to confirm, can quickly find the corresponding problem of the fault code.



Cloud Print

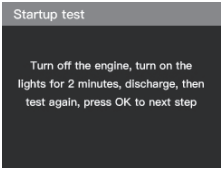
Cloud Print can print the results of the inspection wirelessly. Select【Cloud Print】, press [OK] to select【Print data】, operate according tothe prempts, and fnally select【QR Code】interface will display the QR code, scanthe QR code with your cell phone to display the test data, and then convert the datain-to PDF format to connect to the printer to print out, The display is as follows:

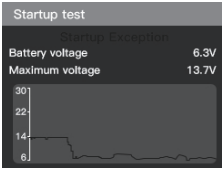


Battery Test

Start Test

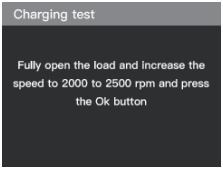
Select【Battery Test】, press [OK] to confirm, select【Start Test】and then operate according to the product interface prompts, and then wait for test results.

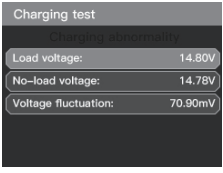




Charge Test

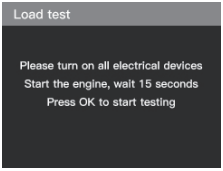
Select【Battery Test】, press [OK] to confirm, select【Charge Test】, and then operate according to the product interface prompts after entering the, and then wait for the test results.

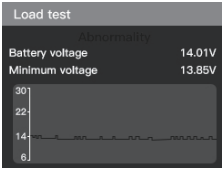




Load Test

Select【Battery Test】, press [OK] to confirm, select【Load Test】and then operate according to the product interface prompts, and then wait for test results.





Settings

Beep

Enter【Settings】, select【Beep】, you can choose to turn on/off the beep sound.

Language

Enter【Settings】, select【Language】, and set the language as needed.

Units of Measurement

Enter【Settings】, select【Units of Measurement】, you can choose between metric or imperial units.

Tool Self-Check

Enter【Settings】, select【Tool Self-Check】and then test the display, keyboard, LED according to your needs.

About

Enter【Settings】, select【About】to view the current system version number.

Update Mode

Enter【Settings】, select【Update Mode】, and then use USB to update the instrument.

Select ECU

Enter【Settings】, select【Select ECU】, wait for recognition to complete, then you can select the ECU.

F1 Shortcut Key

Enter【Settings】, select【F1 Shortcut Key】, and then select the desired function, press the [OK] key to confirm.

F2 Shortcut Key

Enter【Settings】, select【F2 Shortcut Key】, and then select the desired function, press the [OK] key to confirm.

Warranty & Service

One Year Warranty

Our company promises to provide warranty service for 1 year from the date of original purchase, if the product is purchased from an official source, the following conditions must be met:

1) The warranty is limited to repair or replacement of new equipment at no additional cost,provided that the official sales invoice or a copy of the invoice is provided.

2) The warranty does not cover the unauthorized disassembly of this product due to flooding lightning strikes, or outside repair shops not authorized by the company, the personnel have repaired it and considered damage caused by improper use.

3) Our company is not responsible for any damages caused by use, misuse or installation and testing. Some countries limitations on the duration of implied warranties are not allowed,so the above limitations may not apply to you.

4) All information in this manual is based on the latest and effective information at the time ofpublication, and there is no guarantee of its accuracy or completeness, our company reserves the right to make changes at any time without notice.

Service Process

If you have any questions in the process of using this product, please contact your local authorized distributor directly, or visit our official website for consultation.

For repairs or returns, please contact the dealer or contact your sales representative directly.