

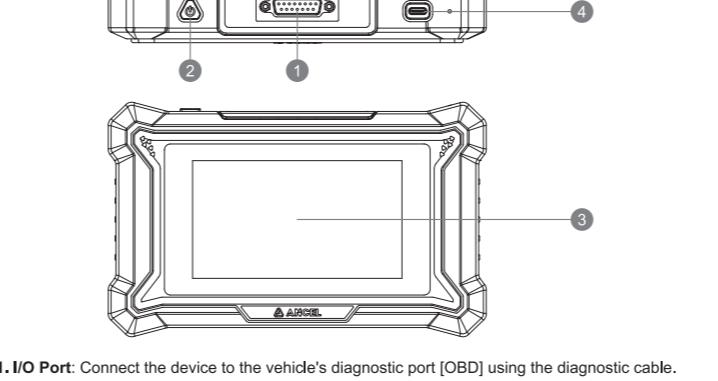


ANCEL
User Manual

Automotive Diagnostic Tool
DS200-DS160-DS100

ANCEL QC

01 Product Overview



1. LCD Part: Connect the device to the vehicle's diagnostic port (OBDII) using the diagnostic cable. 2. Power Button: Press and hold the power on/off button for 3 seconds to turn on the screen. 3. Touch Screen: After powering on, all diagnostic operations can be performed by pressing the screen menu. 4. USB Port: Used for charging and data transfer. Please use a power adapter with a 5V output for charging.

02 Product Parameters

• **OS:** Android 6.0.1
• **Memory:** 2GB+32GB
• **Processor:** MT6735
• **Working Voltage:** 5V
• **Working Temperature:** 0°C - 50°C (32°F - 122°F)
• **Working Environment:** 0°C - 50°C (32°F - 122°F)

• **Diagnosis:** Full diagnostic functionality for a single vehicle brand. Currently available for Ford, KIA, Benz, and Toyota.

• **Diagnosis:** Over 100 vehicle models for diagnosing 4 ECU (PCM, TCM, ABS, SRS). Only basic functions are available, including reading fault codes, clearing fault codes, reading ECU ID information, and reading data streams.

03 How To Use

1.1 Connect the device to the vehicle's DLC (Data Link Connector) using the diagnostic cable. The location of the vehicle's DLC is usually located under the steering wheel, generally as shown in the figure below.

04 Enter the Main Interface

After reviewing and agreeing to the privacy policy, you will enter the main interface. Select the language and then click "Next" to perform diagnostic tasks. Please note that the DS100 does not have the "Maintenance" menu.

05 Select WiFi

WiFi connects the device to the internet, allowing the user to access diagnostic services and access to the latest version of the software. This device supports the 2.4GHz band. If you choose to skip the WiFi connection, please proceed to the next step. It is recommended to connect to WiFi during initial setup to easily download the latest version of the diagnostic software.

06 How To Use

Once the DLC is connected, the device will automatically power on. For first-time use, the first step is to connect to WiFi. After connecting to WiFi, please select the language. Then, please proceed to the next step and connect to WiFi to download the latest diagnostic software selected in the previous step.

07 Language Setting

Once the DLC is connected, the device will automatically power on. For first-time use, the first step is to connect to WiFi. After connecting to WiFi, please select the language. Then, please proceed to the next step and connect to WiFi to download the latest diagnostic software selected in the previous step.

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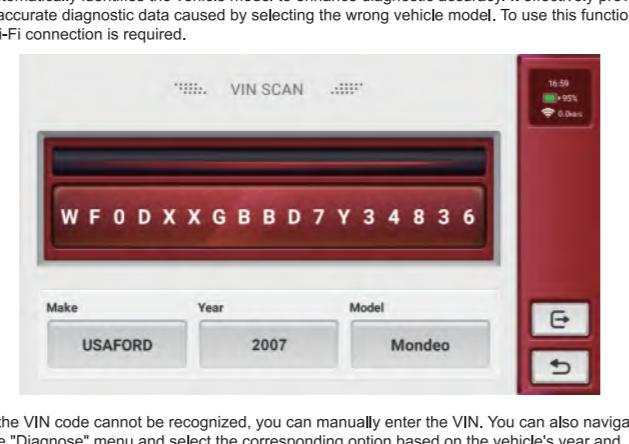
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04 Function Introduction

4.1 AutoSearch Function

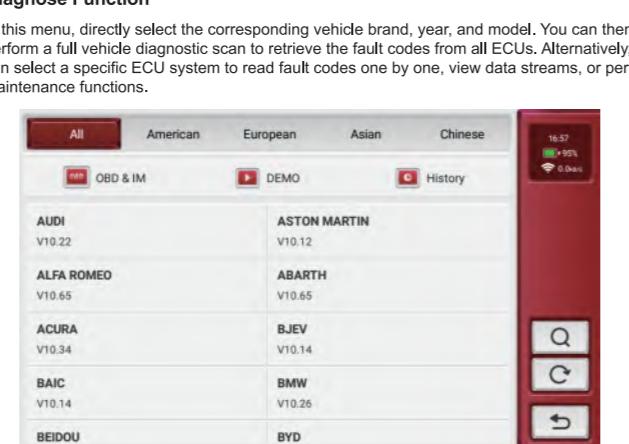
This function allows you to search for the vehicle's VIN through the OBDII interface, analyzes the VIN, and identifies the vehicle model to enhance diagnostic accuracy. It effectively prevents diagnostic errors caused by selecting the wrong vehicle model.



If the VIN code cannot be recognized, you can manually enter the VIN. You can also navigate to the "Diagnose" menu and select the corresponding option based on the vehicle's year and model.

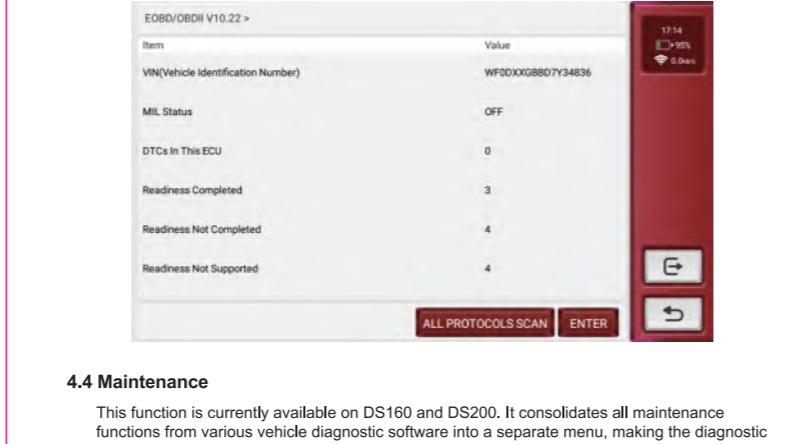
4.2 Diagnose Function

In this menu, directly select the corresponding vehicle brand, year, and model. You can then perform the following operations: 1. Read fault codes to remove the fault codes from the ECU. Alternatively, you can select a specific ECU option to read fault codes one by one, view data streams, or perform maintenance.



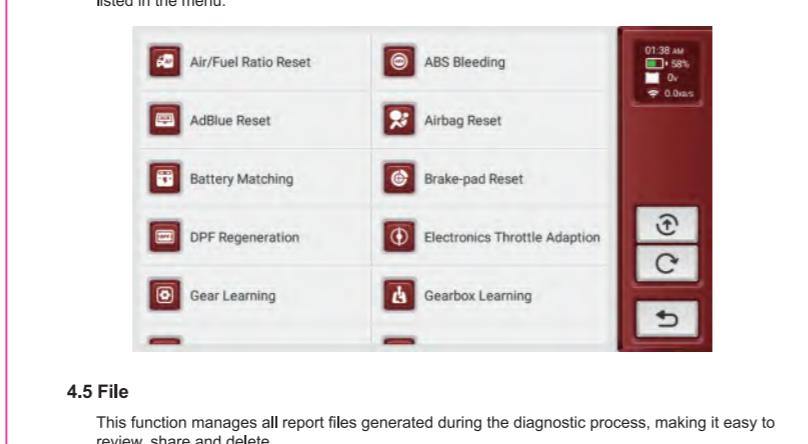
4.3 Coverage

This function is for diagnosing the engine system, retrieving the status of various sensors and components related to the engine and emissions. This function is applicable to a wide range of vehicle models. The DS160 series can support the OBDII standard in 1996, while the DS100 series can support the OBDII standard in 1998.



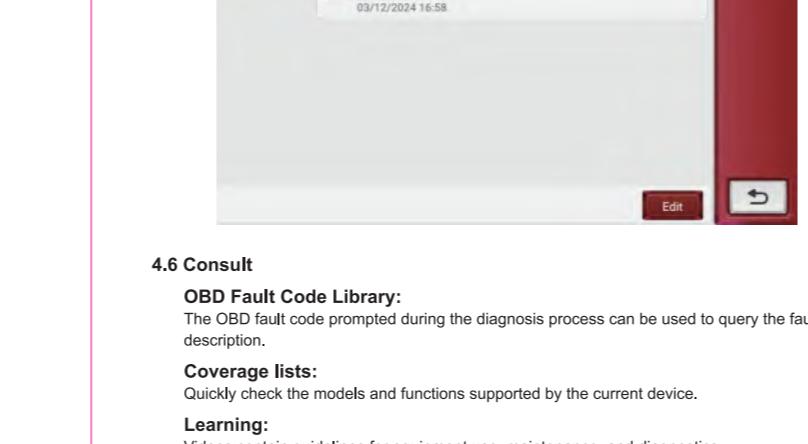
4.4 Maintenance

This function is currently available on DS160 and DS100. It consolidates all maintenance functions into a single menu, making the diagnostic software more user-friendly. In the DS160 series, you can find the corresponding maintenance functions in the "Maintenance" menu. In the DS100 series, you can find the corresponding maintenance functions in the "Maintenance" menu under the "OBD" tab.



4.5 File

This function manages all report files generated during the diagnostic process, making it easy to review, share, and delete.

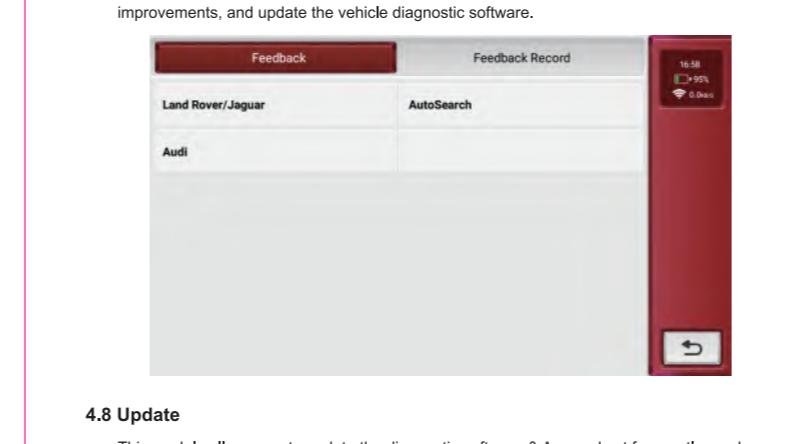


4.6 Consult

The OBD fault code library: The OBD fault code prompt during the diagnosis process can be used to query the fault description.

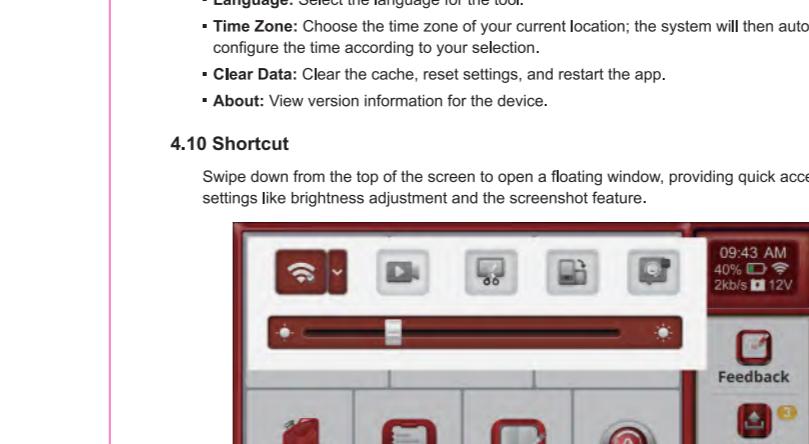
4.7 Feedback

This function allows you to provide feedback when encountering diagnostic errors with certain vehicle models. These errors may result from undeveloped software features or incorrect diagnostic data. By providing feedback, we can analyze the issue and improve the diagnostic logs and error descriptions via WiFi, enabling our team to analyze the issue, make improvements, and enhance the vehicle's diagnostic software.



4.8 Update

This module allows you to update the diagnostic software & App and set frequently used software. You may also download the software or keep it synchronized with the latest version.



4.9 Shortcut

Swipe down from the top of the screen to open a floating window, providing quick access to settings like brightness adjustment and the screenshot feature.

4.10 Warranty Declaration

For warranty, apply only to end users who purchase ANCEL products through authorized channels. For one year from the date of delivery, ANCEL warrants to electronic products against any defects in materials and workmanship. If the product is found to be defective, ANCEL will repair or replace it at no cost. ANCEL is not liable for any indirect or incidental losses. The nature of the warranty is limited to the repair or replacement of ANCEL products. ANCEL is not liable for any indirect or incidental losses. No agents, employees, or representatives of ANCEL are authorized to make any confirmations, promises, or agreements on behalf of ANCEL products.

4.11 Shortcuts

Swipe down from the top of the screen to open a floating window, providing quick access to settings like brightness adjustment and the screenshot feature.

4.12 FAQ

Here we list some frequently asked questions and answers related to this device.

Q: Why is there no response when the device is connected to the vehicle?
A: 1. Check if the ignition switch is on, and that the device supports the vehicle.
2. Check if the vehicle's power port is properly connected.

Q: Why is there a communication error with the vehicle's ECU?
A: This could be due to a bad diagnostic connection. Please unplug the connector and reconnect it.

Q: Why is there a communication error with the vehicle's ECU?
A: Please check the following:
1. Confirm that the ignition switch is properly connected.
2. Confirm that the ignition switch is ON.
3. If the vehicle's power port is not properly connected, use the Feedback function to send us the vehicle's year, make, model, and VIN number.

Federal Communication Commission (FCC) Statement:
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, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to other devices. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference one or more of the following measures:
• Increase the separation between the equipment and receiver.
• Consult the dealer or an experienced radio/TV technician for help.
• Remove or relocate the receiving antenna.
• This device must be installed and operated in accordance with expressley approved by OBDSPACE TECHNOLOGY Co., LTD may void the FCC authorization to operate this device.
Note: This device complies with FCC RF radiation exposure limits set for an uncontrolled environment. The device is installed and operated without restriction.

RF Exposure statement:
This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.

Consult the dealer or an experienced radio/TV technician for help.
• This device must be installed and operated in accordance with expressley approved by OBDSPACE TECHNOLOGY Co., LTD may void the FCC authorization to operate this device.
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