

[Manuals.plus](#) /

› [ANCEL](#) /

› ANCEL AD410 Enhanced OBD2 Scanner User Manual

ANCEL AD410

ANCEL AD410 Enhanced OBD2 Scanner User Manual

Model: AD410 | Brand: ANCEL

INTRODUCTION

The ANCEL AD410 Enhanced OBD2 Scanner is a powerful diagnostic tool designed to help you quickly and accurately identify issues with your vehicle's engine system. It supports all 16PIN vehicles that comply with the OBDII protocol, including KWP2000, ISO9141, J1850 VPW, J1850 PWM, and CAN. This user-friendly device provides critical functionality such as reading and clearing fault codes, checking I/M readiness, viewing live data streams, and performing O2 sensor and EVAP system tests. It is an essential tool for both beginners and experienced mechanics looking to understand and maintain their vehicle's health.



The ANCEL AD410 Enhanced OBD2 Scanner, showcasing its display and key features.

WHAT'S IN THE BOX

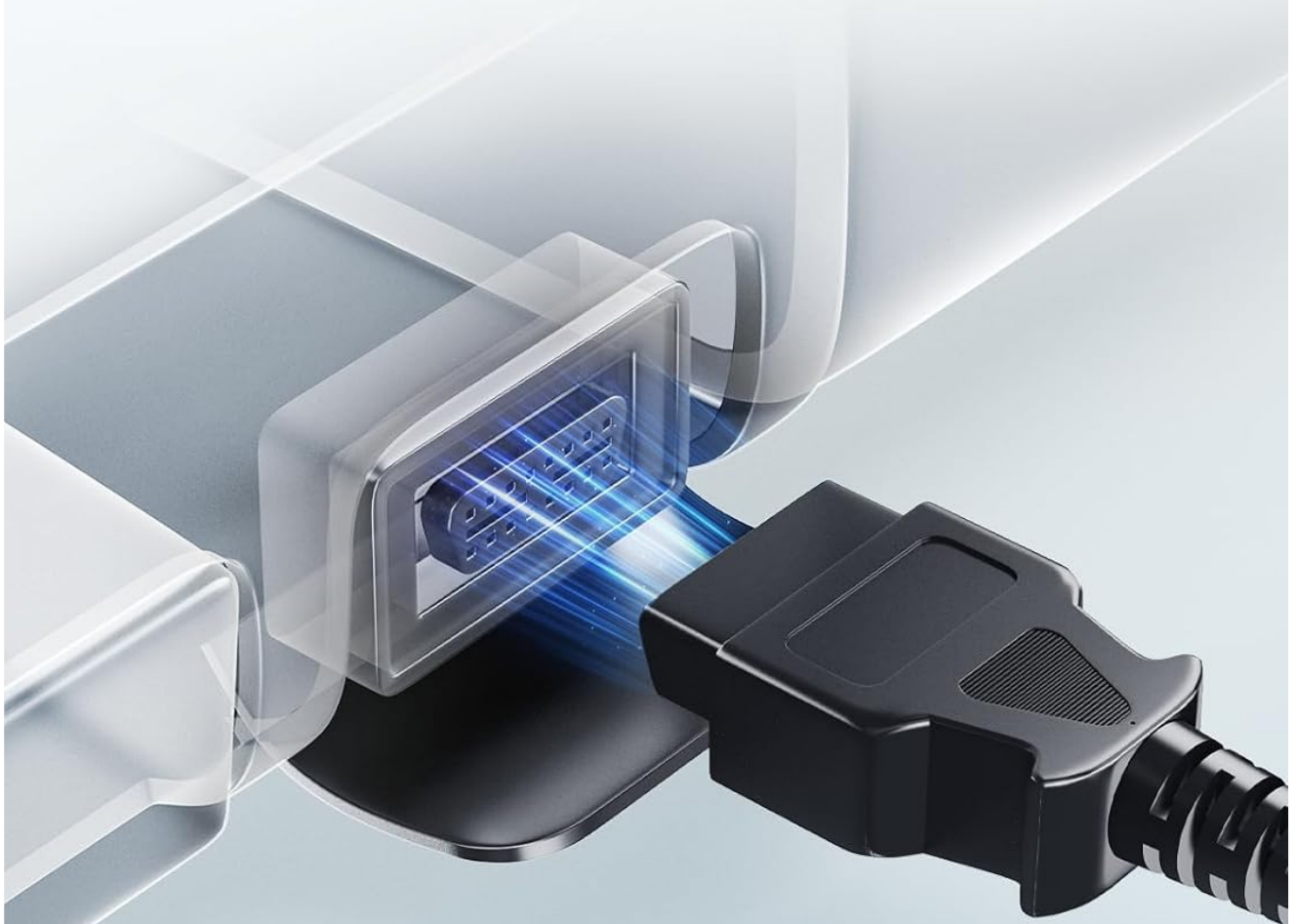
- 1 * AD410 OBD2 Scanner Unit
- 1 * User Manual
- 1 * USB Cable

SETUP

The ANCEL AD410 is designed for plug-and-play operation, requiring no external power source. It is powered directly from your vehicle's OBDII connector.

1. Locate your vehicle's 16-pin OBDII diagnostic port. This port is typically found under the dashboard on the driver's side.
2. Ensure your vehicle's ignition is in the 'OFF' position.
3. Firmly connect the AD410's OBDII connector to your vehicle's diagnostic port.
4. Turn your vehicle's ignition to the 'ON' position (engine off). The scanner will power on automatically.

Portable and Easy to Use



PLUG AND PLAY

NOTE: The AD410 does not require external power. To use the device, simply connect the 16-pin interface to the car's OBD2 port. The included USB cable is for software updates and submitting customer feedback, not for charging the device.

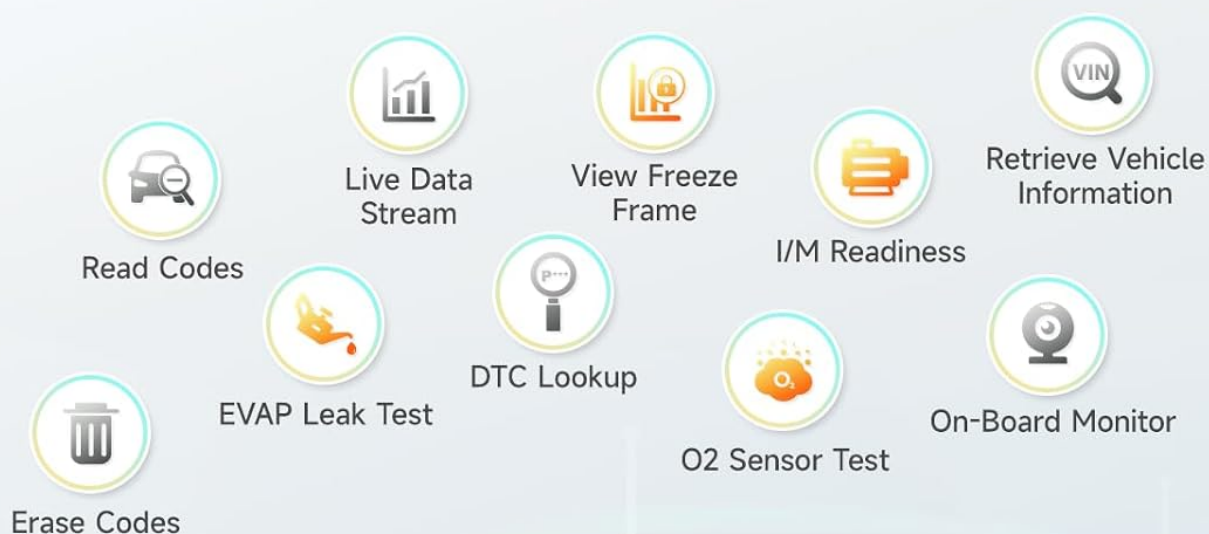
The AD410 connects directly to your vehicle's OBDII port for power and data.

OPERATING THE ANCEL AD410

The AD410 features an intuitive user interface with a 2.4 TFT true-color LCD display, making navigation and operation straightforward. Use the ENTER, EXIT, and directional buttons to navigate through the menus.

Professional Doctor for Your Beloved Car

Support all the stuff that basic **OBD II** code readers do



Note: The AD410 is only an engine reader and cannot diagnose other systems such as ABS/SRS/transmission.

Reading and Clearing Fault Codes

This function allows you to read and clear Diagnostic Trouble Codes (DTCs) that trigger the Check Engine Light (MIL).

- From the main menu, select **"Read Codes"** to view current, pending, and permanent DTCs.
- To clear codes, select **"Erase Codes"**. Confirm the action when prompted. Note: Codes can only be cleared after the underlying issue has been resolved.

Check Engine Light

Identified **engine** problem and made repair quick,
Keep it in good status



The scanner can erase fault codes and turn off the Check Engine Light once repairs are made.

Official Product Overview Video: This video demonstrates the basic functions and user interface of the ANCEL AD410 OBD2 Scanner, including navigation and diagnostic menu options.

I/M Readiness Test

This function checks the readiness of the emission-related monitoring systems to determine if the vehicle is ready for a smog test.

- Select "**I/M Readiness**" from the diagnostic menu.
- The display will show the status of various monitors (e.g., MIL, Misfire, Fuel System, O2 Sensor). A 'PASS' or 'OK' status indicates readiness.

One Click I/M Readiness Test

Quickly press **I/M** to see if car pass your state's emission and pass smog check



I/M Readiness			
IGN	Spark	Ct DTC	10
MIL		Pd DTC	10
MIS	✓	EVAP	Ø
FUE	✓	AIR	Ø
CCM	✓	O2S	×
CAT	×	HRT	×
HCAT	Ø	EGR	×



The I/M Readiness screen helps determine if your vehicle is ready for an emissions test.

Live Data Stream

View real-time operational data from your vehicle's sensors, such as RPM, coolant temperature, O2 sensor readings, and more. This can help in diagnosing intermittent problems.

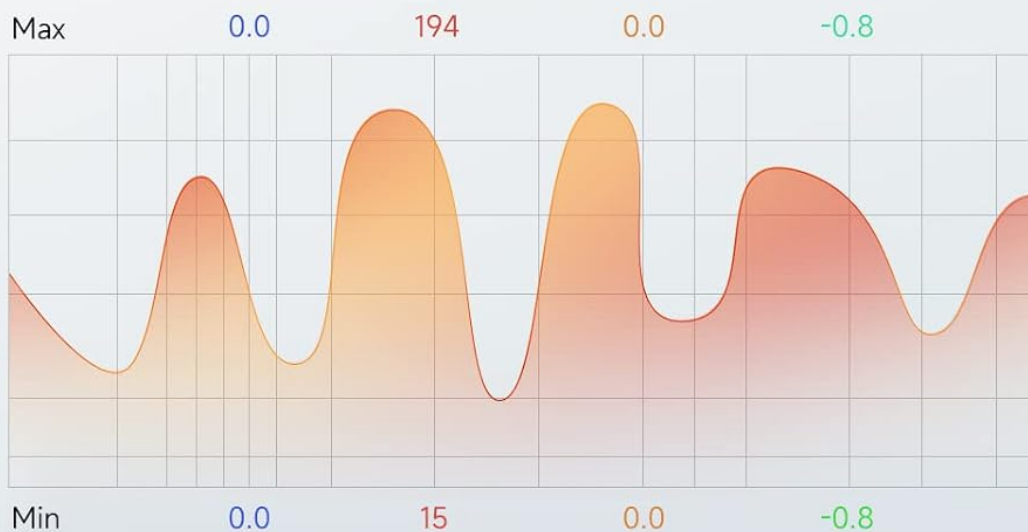
- Select **"Data Stream"** from the diagnostic menu.

- You can view data in numerical format or as a graphical display for easier analysis.

Most Valuable Datastream Capabilities

Lets you read real-time values of certain sensors (RPM, coolant temp, O2 sensor info, etc)

LOADPCT=0.0% ECT=24F SHRTFT1=0.0% LONGFT1=-0.8%



Monitor real-time vehicle data with the live data stream function.

O2 Sensor Test & EVAP System Test

The AD410 allows for advanced diagnostics including O2 sensor and EVAP system testing.

- **O2 Sensor Test:** Monitors and fine-tunes the air/fuel mixture for improved fuel efficiency and reduced

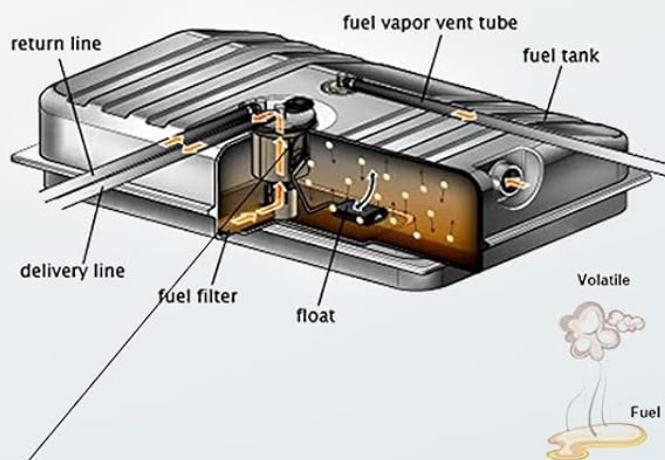
emissions.

- **EVAP System Test:** Performs a leak test on your vehicle's Evaporative Emission Control System to check for fuel vapor leaks.

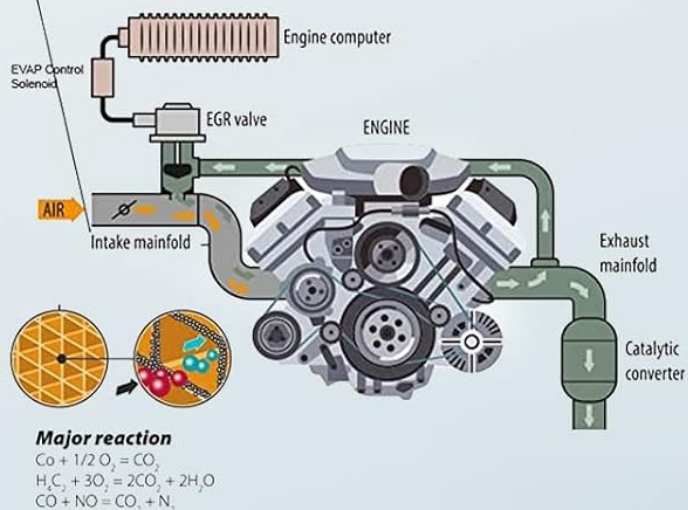
Professional EVAP Leak Test

Verify if O_2 sensors are working properly

EVAP Pressure Sensor



Evaporative Emission Control (EVAP) System



Perform EVAP system leak tests and O_2 sensor diagnostics.

DTC Lookup

The device has over 42,000 built-in DTC lookups, allowing you to quickly identify fault definitions without needing to

search online.

- Select "**Lookup**" from the main menu.
- Enter the DTC code to view its definition.

Humanized DTC Lookup

Easy to navigate with built-in product codes, Don't need to search online

NOTE: The DTC Lookup function allows you to search for definitions of codes stored in the built-in code library. For manufacturer specific codes, you must select a vehicle make in an additional screen to search for DTC definitions.



DTC Lookup

Please input DTC:

P0000

The 1st range: P,C,B,U
The 2nd range: 0,1,2,3
The others from 0 to F

Change Data: [▲] or [▼]
Moving Cursor : ENTER +[▶] or ENTER +[◀]
Confirmation: ENTER

DTC Lookup

P0123

Throttle/Pedal Position
Sensor/Switch A Circuit High

Quickly find definitions for diagnostic trouble codes using the built-in lookup feature.

Access important vehicle information such as Vehicle Identification Number (VIN), Calibration Identifications (CALID), and Calibration Verification Numbers (CVN).

- Select **"About"** or **"Vehicle Information"** from the menu to retrieve these details.

MAINTENANCE

Software Updates

The ANCEL AD410 offers free lifetime software updates to ensure you always have the latest features and bug fixes. The USB port at the bottom of the device is used for this purpose.

1. Connect the AD410 to your computer using the provided USB cable.
2. Visit the official ANCEL website (www.anceltech.com) and navigate to the Download Center.
3. Select the AD410 product model and download the latest update software.
4. Follow the on-screen instructions to install the update.

Important Note: The USB cable is for software updates and sending feedback only; it is not for powering or charging the device. Do not connect both the USB port and the OBDII 16PIN port simultaneously, as this can interfere with diagnosis.

TROUBLESHOOTING

- **Cannot Clear Fault Codes:** Fault codes can only be cleared after the underlying issue in the car has been resolved. The device itself does not fix the car's problems. Ensure the erase code function is performed with the key in the 'ON' position and the engine 'OFF'. If codes still do not clear, the issue might be a hardware fault requiring repair before codes can be reset.
- **Limited System Support:** The ANCEL AD410 is primarily an engine code reader. It does**NOT** support other vehicle systems such as ABS (Anti-lock Braking System), SRS (Supplemental Restraint System/Airbag), Transmission, or other non-engine related systems.
- **Device Not Powering On:** Ensure the AD410 is correctly connected to the vehicle's 16-pin OBDII diagnostic port. The device draws power directly from this connection and does not require batteries or charging.
- **Compatibility Issues:** While the AD410 supports most 1996 US-based, 2000 EU-based, and Asian cars, light trucks, and SUVs, specific vehicle models may vary. If you encounter compatibility issues, verify your vehicle's OBDII compliance or contact ANCEL support.

SPECIFICATIONS

Feature	Detail
Brand	ANCEL
Model	AD410

Product Dimensions	3.05"L x 0.93"W x 4.88"H
Item Weight	10.6 ounces
Display Resolution	320x240
Operating System (for updates)	Support Windows 7/8/10/11 updates (Does not support Windows XP, Mac, and iOS systems)
Voltage	12 Volts
Automotive Fit Type	Universal Fit

WARRANTY AND SUPPORT

ANCEL is committed to providing reliable products and excellent customer service.

- **Lifetime Free Updates:** Enjoy continuous software improvements and bug fixes for the lifetime of your device.
- **30-Day Free Returns:** Refer to your purchase platform's return policy for details.
- **24/7 Tech Support:** For any technical assistance or inquiries, please contact ANCEL customer service.

For the most up-to-date user manual and support resources, please visit the official ANCEL website: www.anceltech.com. You can also find a PDF version of the user manual here [User Manual \(PDF\)](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question