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> ANCEL VD700Pro OBD2 Car Diagnostic Device User Manual

## ANCEL VD700Pro

# ANCEL VD700Pro OBD2 Car Diagnostic Device User Manual

Model: VD700Pro | Brand: ANCEL

## 1. INTRODUCTION

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The ANCEL VD700Pro is a professional OBD2 diagnostic device specifically designed for Volkswagen Audi Group (VAG) vehicles. It provides comprehensive system diagnostics and a range of special functions to help users identify and resolve vehicle issues efficiently. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your VD700Pro device.

## 2. PRODUCT OVERVIEW

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The VD700Pro features a 2.8-inch color LCD screen, a silicone keypad for easy navigation, and a robust, drop-resistant casing. It is powered directly from the vehicle's OBDII port.



Engine shut off solenoid?



Injector circuit open?



Intake air temperature too high?

## Supports for VAG/ OBD2 Vehicles after 2002 sold in EU



Read Codes



Erase Codes



I/M Readiness



Data Stream



Vehicle Information



EVAP System



Battery Check

## Supports For All VAG Vehicles



Read Codes



Erase Codes



Data Stream



Battery Check



Vehicle Information



The ANCEL VD700Pro device showing its main menu, including options for OBDII, VW specific functions, oil reset, and battery check. The screen is a 2.8-inch color LCD.

### Key Features:

- **Full System Diagnostics for VAG Vehicles:** Supports reading and clearing fault codes for all major systems including Engine, ABS, Transmission, Airbag, SAS, TPMS, EPB, ESP, Door Electronics, Lamp Control, Air-conditioning, and Battery System.
- **8 Special Functions:** Includes Throttle Position Adaption, EPB Replace Brake Pads, Diesel Engine Special Function, Steering Angle Learning, Tire Pressure Reset (TPMS), Injector Adaptation, Battery Registration, and Service Reset (Oil Reset).
- **OBD2 Functions:** Reads and clears fault codes, checks I/M readiness, reads data streams, performs EVAP system tests, and retrieves vehicle identification data.
- **Real-time Battery Voltage Monitoring:** Provides live monitoring of battery voltage.
- **Lifetime Free Updates:** Software updates are available free of charge from the official ANCEL website.
- **Multi-language Support:** Supports 10 display languages.
- **2 Color UI Themes:** Offers 'Gem Blue' and 'Sky Gray' interface themes.
- **Wide VAG Vehicle Compatibility:** Compatible with Volkswagen, Audi, Skoda, Seat, Bentley, Lamborghini, Bugatti, and Scania vehicles.

## 3. SETUP

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### 3.1 Connecting the Device

1. Locate the 16-pin OBDII diagnostic port in your vehicle. This port is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is turned off.
3. Plug the ANCEL VD700Pro's OBDII connector into the vehicle's diagnostic port. The device will power on automatically.
4. Turn the vehicle's ignition to the 'ON' position (engine can be off).

### 3.2 Software Updates

To ensure your device has the latest features and vehicle compatibility, it is recommended to perform software updates regularly. Updates are free for life.

1. Visit the official ANCEL website.
2. Navigate to the 'Download Center' and select your product model (VD700Pro).
3. Download the update software to a computer running Windows 7, 8, or 10 OS. (Note: macOS is not supported for updates).
4. Connect the VD700Pro device to your computer using the provided USB data cable.
5. Follow the on-screen instructions provided by the update software to complete the process.

# MULTIPLE LANGUAGES SUPPORT



English



German



Spanish



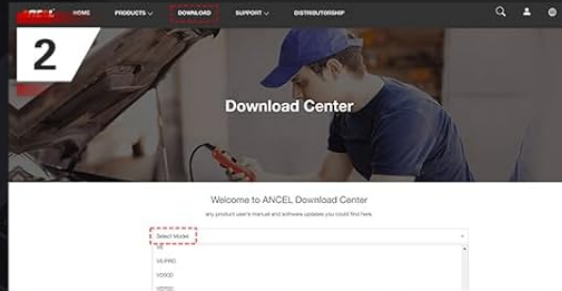
French



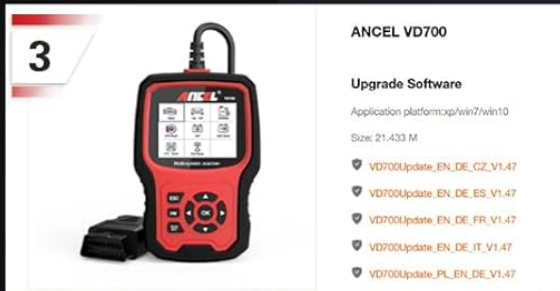
Italian



Login to ANCEL official website



Select "DOWNLOAD" -- Select "Product Model"



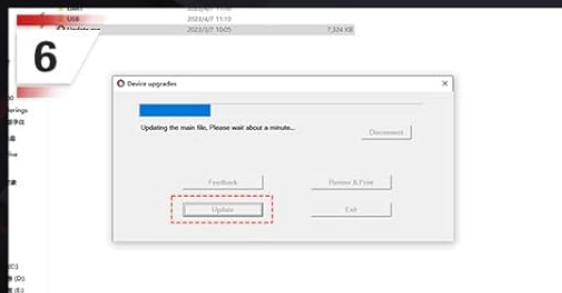
Select the desired language installation package



Download the language installer to your desktop



Connect the device to the computer with the data cable



Follow the on-screen instructions

You can download the required language installation package from our ANCEL official website.

This image displays the steps for updating the device software to support multiple languages, including logging into the ANCEL official website, selecting the download center, choosing the product model, downloading the language package, connecting the device, and following on-screen instructions.



The ANCEL VD700Pro diagnostic tool is shown connected to a laptop via a USB cable, indicating it is ready for a software update. The laptop screen shows the ANCEL download center.

### 3.3 Language and UI Theme Selection

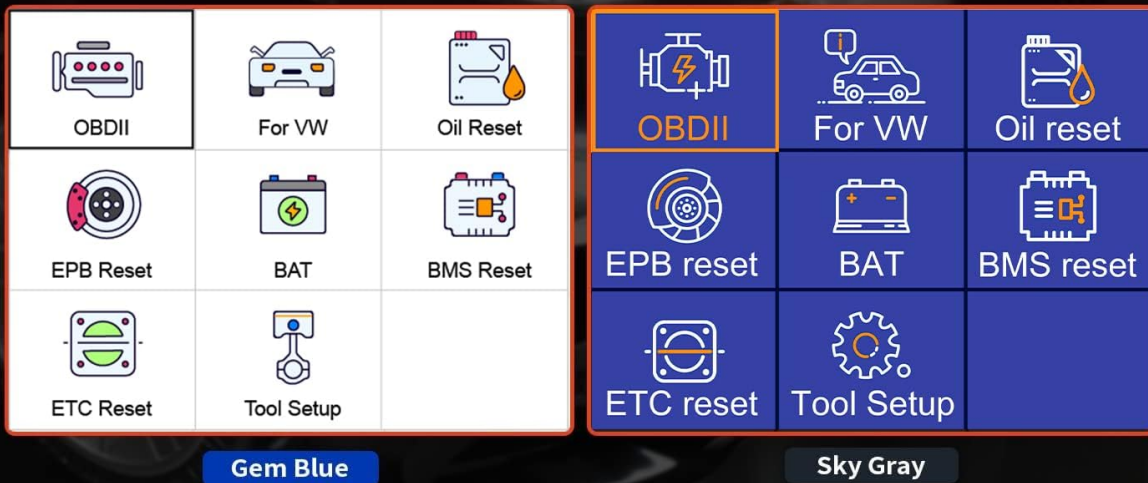
You can customize the device's language and user interface theme:

1. From the main menu, navigate to 'Tool Setup'.
2. Select 'Language' to choose from the 10 supported languages.
3. Select 'Skin Style' to switch between 'Gem Blue' and 'Sky Gray' themes.

# MULTI LANGUAGE MENUS



# TWO SKIN STYLE



The device supports 10 languages including English, French, Spanish, German, Russian, Swedish, Portuguese, Finnish, Norwegian, and Danish. It also offers two user interface themes: Gem Blue and Sky Gray.

## 4. OPERATING INSTRUCTIONS

### 4.1 Navigation

Use the 'OK' button to confirm selections, 'ESC' to go back, and the arrow keys to navigate through menus and options.

### 4.2 Full System Diagnostics for VAG Vehicles

The VD700Pro can perform a comprehensive scan of all electronic control units (ECUs) in compatible VAG vehicles.

# ALL SYSTEM DIAGNOSTIC FOR VAG VEHICLES BE YOUR CAR DOCTOR



This diagram highlights the ANCEL VD700Pro's capability for all-system diagnostics on VAG vehicles, covering systems such as Engine, ABS, SAS, Airbag, TPMS, EPB, SRS, and Transmission.

1. From the main menu, select 'For VW' (or similar VAG-specific option).
2. Choose 'Vehicle Scan' to automatically scan all systems for fault codes.
3. Alternatively, select 'System Selection' to manually choose a specific system (e.g., Engine, ABS, Airbag) for diagnosis.
4. The device will display any detected Diagnostic Trouble Codes (DTCs) and their definitions.
5. To clear codes, select the 'Erase Codes' option within the specific system's menu or the main diagnostic menu.

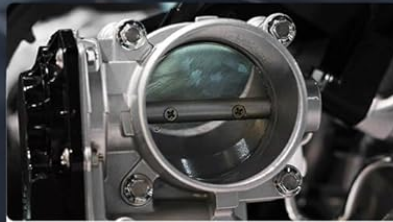
## 4.3 Special Functions

The VD700Pro offers several special functions for VAG vehicles, which are crucial after replacing components or for routine maintenance.

# ANCEL VD700 PRO POWERFUL FUNCTIONS FOR VAG GROUP VEHICLES



Oil Service Reset



Throttle position Adaption



EPB Reset



TPMS Reset



Injector Learning



DPF Reset / Regeneration



Fuel Pump Activation



Battery Registration



Airbag Reset



SAS Calibration



A visual representation of the nine special functions available on the ANCEL VD700Pro: Oil Service Reset, Throttle Position Adaption, EPB Reset, TPMS Reset, Injector Learning, DPF Reset, Fuel Pump Activation, Battery Registration, and SAS Calibration.

To access these functions:

1. From the main menu, select 'Special Functions'.
2. Choose the desired function from the list:
  - **Service Reset (Oil Reset):** Resets the oil service light after an oil change.
  - **Throttle Learning:** Adapts the throttle position after replacement or cleaning.
  - **EPB Replace Brake Pads:** Safely retracts and engages electronic parking brake calipers for pad replacement.

- **Steering Angle Learning:** Calibrates the steering angle sensor.
- **Tire Pressure Reset (TPMS):** Resets the Tire Pressure Monitoring System.
- **Injector Adaptation:** Codes new injector values into the ECU.
- **Battery Registration:** Registers a new battery with the vehicle's battery management system.
- **DPF Reset:** Resets the Diesel Particulate Filter system.

3. Follow the on-screen prompts to complete the procedure.

## 4.4 OBD2 Modes

For general OBD2 compliant vehicles (post-2002 with 16-pin OBDII connector), the VD700Pro supports standard OBD2 diagnostic modes.

1. From the main menu, select 'OBDII'.
2. Choose from the following options:
  - **Read Codes:** Displays current, pending, and permanent diagnostic trouble codes.
  - **Erase Codes:** Clears all diagnostic trouble codes and turns off the Malfunction Indicator Lamp (MIL).
  - **I/M Readiness:** Checks the readiness of emission-related monitors.
  - **Data Stream:** Displays live sensor data in text or graph format.
  - **Evap System Test:** Initiates a test of the evaporative emission control system.
  - **Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).

## 4.5 Real-time Battery Voltage Monitoring

The device can monitor your vehicle's battery voltage in real-time.

1. From the main menu, select 'BAT' (Battery Check).
2. Follow the on-screen instructions, which may include starting the engine for a charging system test.
3. The device will display current, minimum, and maximum voltage readings over time.

## 5. MAINTENANCE

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The ANCEL VD700Pro is designed for durability, but proper care ensures its longevity and performance.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in a dry, cool place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly update the device software as described in Section 3.2 to maintain optimal functionality and compatibility.

## 6. TROUBLESHOOTING

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If you encounter issues with your ANCEL VD700Pro, refer to the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the device is securely connected to the vehicle's 16-pin OBDII port. Check the vehicle's ignition is in the 'ON' position. Verify the vehicle's battery has sufficient charge.
- **Communication Error:** Ensure the vehicle is OBDII compliant and manufactured after 2002. Check for loose connections at the OBDII port. Try the device on another compatible vehicle to rule out a vehicle-

specific issue.

- **Update Software Issues:** Ensure your computer runs Windows 7, 8, or 10. Verify a stable internet connection. Re-download the update software from the official ANCEL website.
- **Incorrect Readings/Functions Not Working:** Ensure the correct vehicle model and year are selected if prompted. Some older VAG protocols may require manual handling; refer to the detailed user manual for specific instructions.

For specific Diagnostic Trouble Code (DTC) definitions, the device has a built-in DTC lookup library. For further assistance, contact ANCEL customer support.

## 7. SPECIFICATIONS

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Feature	Specification
Model	VD700Pro
Screen Size	2.8 inches (Color LCD)
Power Source	Cable (via OBDII port)
Supported Update OS	Windows 7, 8, 10
Item Weight	590 Grams
Supported Protocols	J1850 VPM, J1850PWM, ISO9141, KWP 2000, TP16, KWP1281, TP20, UDS
Vehicle Compatibility	12V vehicles (non-electric) with OBDII interface and 16-pin connector, manufactured after 2002. Specifically designed for VAG Group vehicles.

## 8. WARRANTY AND SUPPORT

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The ANCEL VD700Pro comes with a commitment to customer satisfaction and ongoing support.

- **Lifetime Free Updates:** Benefit from continuous software updates to ensure your device remains current with the latest vehicle models and diagnostic capabilities.
- **Customer Support:** For any questions, technical assistance, or support needs, please contact ANCEL customer service through Amazon messages. Provide your model, year of manufacture, VIN information, and desired functions for efficient support.