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## ANCEL VD500

# ANCEL VD500 OBD2 Scanner Instruction Manual

Comprehensive guide for operating and maintaining your ANCEL VD500 diagnostic tool.

## 1. INTRODUCTION

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The ANCEL VD500 is a versatile OBD2 scanner primarily designed for Volkswagen Group (VW, Audi, Skoda, SEAT) 12-volt 16-pin vehicles. It also supports general OBD II compliant vehicles manufactured 1996 or later. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting, enabling users to diagnose and resolve common vehicle issues efficiently.

## 2. WHAT'S IN THE BOX

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Upon opening the package, you should find the following items:

- 1\*ANCEL VD500 for vw scan tool
- 1\*Dust-proof bag
- 1\*USB cable
- 1\*User manual

# NEW PACKAGING

- 1\*Packing box
- 1\*ANCEL VD500 Scan Tool
- 1\*Dust-proof bag
- 1\*User manual
- 1\*USB cable

**⚠** (ONLY for Upgrades. Do not connect USB cable during diagnosis)



Figure 2.1: ANCEL VD500 package contents.

## 3. SETUP

### 3.1 Connecting the Device

The ANCEL VD500 is a plug-and-play device, requiring no batteries or complex networking. Simply connect it to your vehicle's OBD2 port.

1. Locate your vehicle's 16-pin OBD2 port. This is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the ON position (engine off for most diagnostic functions).
3. Connect the VD500's OBD2 cable to the vehicle's OBD2 port. The device will power on automatically.



Figure 3.1: Connecting the ANCEL VD500 to the vehicle's OBD2 port.

Video 3.1: Demonstrates the simple plug-and-play connection of the ANCEL VD500 to a vehicle's OBD2 port.

## 4. OPERATING THE ANCEL VD500

### 4.1 User Interface and Navigation

The VD500 features a clear display and intuitive button layout for easy navigation. Use the ENTER, EXIT, and arrow buttons to select options and confirm actions within the menu.

# PRIVATE DOCTOR FOR YOUR CAR

## ALL SYSTEM DIAGNOSIS FOR VAG GROUP VEHICLES



Figure 4.1: ANCEL VD500 user interface and navigation buttons.

Video 4.1: A detailed walkthrough of the ANCEL VD500's menu and navigation for VAG vehicles.

## 4.2 VAG Specific Functions (Volkswagen, Audi, Skoda, SEAT)

The VD500 offers advanced diagnostic and reset functions tailored for Volkswagen Group vehicles:

- Full System Diagnosis:** Read and clear codes from various systems including Engine, ABS, Transmission, SAS (not all cars), ESP, TPMS, and other control modules.
- Oil Service Reset:** Reset the oil service light after an oil change to ensure proper maintenance scheduling.
- Electronic Parking Brake (EPB) Reset:** Safely retract and release brake calipers for brake pad replacement on vehicles with electronic parking brakes.
- Throttle Position Adaptation:** Perform throttle body adaptation to ensure correct idle speed and smooth acceleration.

# SPECIAL FUNCTIONS FOR VAG VEHICLES DIAGNOSIS:



Brake Pad (EPB)  
Reset



Oil Service  
Reset



Throttle Position  
Adaption

Figure 4.2: Special functions for VAG vehicles diagnosis.

Video 4.2: Overview of the all-in-one professional diagnostic capabilities of the ANCEL VD500 for VAG vehicles.

## 4.3 Standard OBD2 Functions (for non-VAG vehicles)

For other 1996 and newer OBD II compliant vehicles (non-Volkswagen), the VD500 can perform essential OBD2 functions:

- **Read and Clear Fault Codes:** Read current, pending, and permanent Diagnostic Trouble Codes (DTCs) and clear the Check Engine Light (CEL).
- **Display Fault Code Definitions:** Provides generic and manufacturer-specific definitions for DTCs.
- **Retrieve VIN Information:** Access the Vehicle Identification Number (VIN) for vehicle identification.

# OBDII FUNCTION FOR MOST CARS



Figure 4.3: OBDII functions for most cars.

## 5. SOFTWARE UPDATES AND LANGUAGE OPTIONS

The ANCEL VD500 offers free lifetime software updates to ensure compatibility with new vehicle models and to add new features. Keeping your device updated is crucial for optimal performance.

### 5.1 Updating the Software

1. Visit the official ANCEL website: [www.anceltech.com](http://www.anceltech.com)
2. Navigate to the "Download" or "Support" section and select the VD500 model.
3. Download the latest software update package to your computer.
4. Connect the VD500 to your computer using the provided USB cable.
5. Follow the on-screen instructions from the downloaded software to complete the update process.

# COMPATIBLE MODELS

Support all OBD interface 16PIN voltage 12V vehicles

Note: Vehicle OBDII port must be 16PIN!!!

## FITS FOR VOLKSWAGEN

sedan all series  
(2000-2019)

## FITS FOR AUDI

all series  
(2000-2019)

## FITS FOR SKODA

all series  
(2000-2019)

## FITS FOR SEAT

all series  
(2000-2019)



Fits for Volkswagen commercial vehicle, truck series:

Caddy -2018  
Caddy Pickup -2002  
-For Transporter 2003-2018,  
-For Amarok 2010-2018,  
-For Multivan 2003-2009,  
-For TGE 2017-2018

### Fits for BENTLEY:

Continental 2004-2019  
New Continental GT 2012-2018  
Continental Supersports 2012-2018  
Continental Supersports Convertible 2012-2018  
Continental Flying Spur 2012-2019  
Continental Flying Spur Speed 2012-2019  
Bentayga 2016-2019  
Mulsanne 2011-2019  
Brooklands 2009-2010  
Azure 2000-2010

### Fits for LAMBORGHINI:

URUS 2018-2019  
Gallardo 2008-2014  
Gallardo NF/Huracan 2014-2018  
Aventador 2012-2018  
URUS 2018-2019  
Gallardo 2008-2014  
Gallardo NF/Huracan 2014-2018  
Aventador 2012-2018

### Fits for BUGATTI:

Veyron 2001-2016  
Chiron 2017-2022

If you are not sure whether the car model is supported, we would recommended to contact us before purchasing.

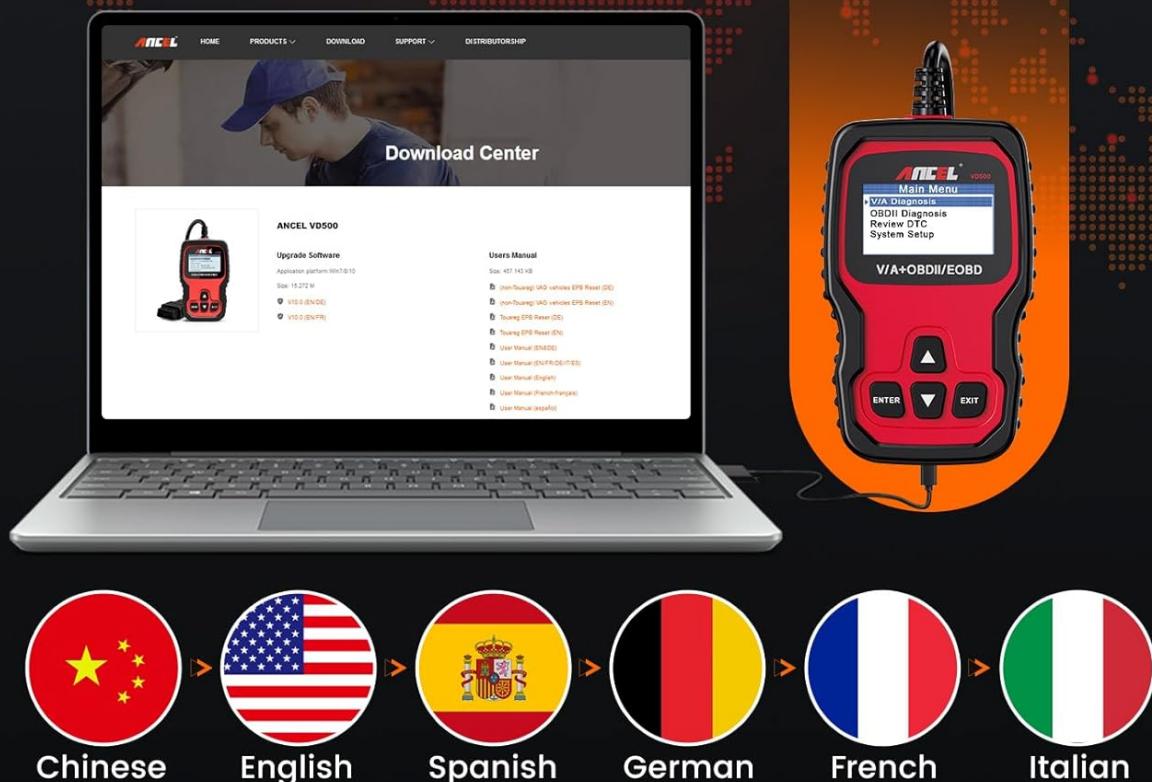
Figure 5.1: ANCEL official website for software updates and language downloads.

Video 5.1: Step-by-step guide on how to perform a free lifetime software update for your ANCEL VD500.

## 5.2 Language Selection

The device supports English and German by default. Additional languages (Spanish, French, Italian) can be downloaded from the official website during the update process, allowing you to customize the interface to your preference.

# MULTIPLE LANGUAGES SUPPORT



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

Figure 5.2: Multiple language support on the ANCEL VD500.

## 6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and reliable performance of your ANCEL VD500 scanner:

- Keep the device clean and free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning.
- Store the scanner in its dust-proof bag in a cool, dry place when not in use.
- Avoid dropping the device or subjecting it to strong impacts, as this can damage internal components.
- Do not attempt to disassemble the device, as this will void the warranty and may cause irreparable damage.

## 7. TROUBLESHOOTING

### 7.1 Common Issues

- **Device not powering on:** Ensure the OBD2 cable is securely connected to the vehicle's OBD2 port and the ignition is in the

ON position. Check the vehicle's battery voltage.

- **"Vehicle does not support" message:** This may occur for certain advanced functions if your specific vehicle model or year is not fully compatible with that particular function. Refer to the detailed compatibility list on the ANCEL website or contact support for clarification.
- **Airbag light reset failure:** While the VD500 can clear airbag codes, persistent issues may indicate an underlying hardware fault that requires professional diagnosis and repair by a qualified mechanic.
- **VIN not readable:** Some older or non-VAG vehicles may not fully support VIN retrieval via the standard OBD2 protocol.

## 7.2 Contacting Support

For further assistance, specific technical queries, or warranty claims, please visit the official ANCEL support website: [www.anceltech.com](http://www.anceltech.com). You can find FAQs, additional resources, and contact information for their customer service team.

## 8. SPECIFICATIONS

Feature	Detail
Brand	ANCEL
Product Dimensions	2.76" L x 0.87" W x 4.92" H
Operating System	Linux
Language	English (default), German, Spanish, French, Italian (downloadable)
Display Resolution	64 x 64
Item Weight	12 ounces
Voltage	12 Volts

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