

VIDENT iAuto702 Pro

VIDENT iAuto702 Pro User Manual

Model: iAuto702 Pro | Brand: VIDENT

INTRODUCTION

The VIDENT iAuto702 Pro is an advanced multi-application service tool designed for comprehensive vehicle diagnostics and maintenance. It offers a wide range of functions, including ABS/SRS airbag scanning, OBD2 diagnostics, and 37 special service functions such as EPB, Oil Light Reset, TPS, BRT, and more. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your iAuto702 Pro device.

Key features include:

- Professional ABS/Airbag Scan and related service functions (e.g., ABS bleeding, steering sensor inspection).
- Comprehensive OBDII diagnostics with 12 modes for global OBDII/EOBD vehicles.
- 37 Special Service Functions covering a wide array of vehicle systems.
- 4.3-inch LCD Color Display with multilingual menu options.
- 3 years of free online updates via USB port.

SETUP

Follow these steps to set up your VIDENT iAuto702 Pro for first use:

1. **Unpack the Device:** Carefully remove the iAuto702 Pro scanner and all accessories from its packaging. Verify that all components, including the main unit, OBDII cable, TF card, leather carrying pouch, and user manual, are present.
2. **Connect to Vehicle:** Locate the OBDII diagnostic port in your vehicle. This port is typically found under the dashboard on the driver's side. Connect the OBDII cable from the iAuto702 Pro to the vehicle's OBDII port. The device will power on automatically, drawing power from the vehicle's battery.
3. **Initial Boot-up:** Upon first power-on, the device may prompt you to select a language. Use the directional buttons and the 'OK' button to navigate and confirm your preferred language (English, Spanish, German, French,

Portuguese, Dutch, Swedish, Italian, Simplified Chinese, Traditional Chinese, Russian, Japanese, Korean, Hungarian, Thai are supported).

4. **System Check:** The device will perform a brief system check. Ensure the screen displays the main application menu.



Image: The VIDENT iAuto702 Pro scan tool, showing its main display and control buttons. This is the primary device you will be using.

OPERATING INSTRUCTIONS

The iAuto702 Pro offers a user-friendly interface for various diagnostic and service functions. Use the directional arrows to navigate through menus, 'OK' to confirm selections, and 'ESC' to go back.

OBD2 12 Modes Diagnosis

This function provides comprehensive diagnostics for all OBDII/EOBD compliant vehicles. To access, select 'OBDII' from the main menu.

- **System Status:** View the current status of the vehicle's emission-related systems.
- **Read Codes:** Retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's computer.
- **Erase Codes:** Clear DTCs and turn off the Malfunction Indicator Lamp (MIL).
- **Live Data:** View real-time sensor data in text or graph format.
- **Freeze Frame:** Capture a snapshot of vehicle conditions when a fault code is set.
- **I/M Readiness:** Check the readiness of emission monitors.
- **O2 Monitor Test:** Retrieve O2 sensor monitor test results.
- **On-Board Monitor Test:** Access results of on-board diagnostic monitoring tests for specific components/systems.

- **Component Test:** Initiate a leak test for the EVAP system.
- **Vehicle Info:** Retrieve vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).
- **Modules Present:** Identify modules present on the vehicle's network.
- **DTC Lookup:** Look up definitions of generic and manufacturer-specific DTCs.

OBDII 12 Modes



Image: A screen capture from the VIDENT iAuto702 Pro showing the various OBDII 12 diagnostic modes available for selection.

Special Service Functions

The iAuto702 Pro supports at least 37 special service functions. To access these, select 'Service' from the main menu and choose the desired function.

- **ABS/Airbag Scan:** Diagnose Anti-lock Braking System (ABS) and Supplemental Restraint System (SRS) issues. This includes reading and clearing codes, and performing active tests like ABS bleeding.
- **Oil Light Service/Reset:** Reset the oil service light after an oil change.
- **EPB (Electronic Parking Brake):** Perform service and maintenance on the electronic parking brake system, such as deactivating and reactivating the brake control system.

- **BRT (Battery Registration):** Register a new battery to the vehicle's ECU.
- **TBA/TPS (Throttle Body Alignment/Throttle Position Sensor):** Perform throttle body relearn procedures.
- **Injector Coding:** Code new injector numbers to the ECU.
- **TPMS (Tire Pressure Monitoring System):** Perform TPMS sensor relearn procedures.
- **SAS (Steering Angle Sensor):** Calibrate the steering angle sensor.
- **Immobilizer:** Perform key programming and immobilizer matching.
- **DPF (Diesel Particulate Filter):** Perform DPF regeneration and reset.
- **Gear Learning:** Perform crankshaft position sensor adaptive learning.
- **Clutch Adaptation:** Adjust clutch parameters for optimal performance.
- **Trearbox Match:** Match transmission components.
- **Suspension Match:** Adjust vehicle suspension settings.
- **Sunroof Initialization:** Initialize the sunroof after repair or replacement.
- **Head Light:** Adjust headlight settings.
- **Adjust A/F:** Adjust air/fuel ratio.
- **Seat Match:** Match seat components.
- **Prime Fuel Pump:** Prime the fuel pump.
- **Windows Door:** Perform window and door initialization.
- **Turbo:** Perform turbocharger related functions.
- **Change Language:** Change the device's display language.
- **AT Adaptation:** Perform automatic transmission adaptation.
- **Change Tire:** Reset tire parameters after tire replacement.
- **EVAP Test:** Perform evaporative emission system test.
- **TCM Oil:** Reset transmission control module oil life.
- **ADblue:** Perform Adblue system functions.
- **Coolant:** Perform coolant system functions.
- **Power Balance:** Check cylinder power balance.
- **HVOLBAT:** High voltage battery functions.
- **Motor Angle:** Motor angle calibration.
- **NOx Reset:** Reset NOx sensor.
- **Stopstart:** Configure start-stop system.
- **Transport:** Activate/deactivate transport mode.

Note: The availability of specific special functions depends on the vehicle's make, model, and year. Refer to the device's on-screen prompts for compatibility.

37 SERVICE FUNCTION

The following 16 species are represented



oilReset



EPB



Transport



DPF



Injector
Coding



Throttle
Reset



Steering
Angle



ABS
Bleed



TPMS
Reset



Suspension



Adblue



Coolant



NOx Reset
Stopstart



Power
Balance



Motor
Angle

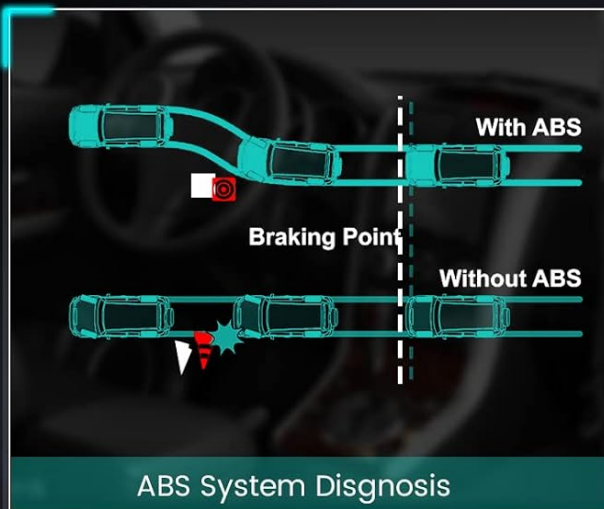


HVOLBAT

And More.....



Image: A visual representation of some of the 37 service functions available on the VIDENT iAuto702 Pro, including Oil Reset, EPB, DPF, and Injector Coding.



ABS SRS BIDIRECTIONAL/ACTIVE TEST



Image: Illustrates the ABS and SRS (Airbag) diagnostic capabilities, highlighting the bidirectional/active test functionality of the iAuto702 Pro.

MAINTENANCE

Software Updates

To ensure your iAuto702 Pro operates with the latest vehicle coverage and functions, it is crucial to perform regular software updates. VIDENT provides 3 years of free online updates.

1. **Register Your Device:** Visit the official VIDENT website and register your iAuto702 Pro using the serial number found on the back of the device.
2. **Download Update Tool:** Download the update client software from the VIDENT website to your personal computer.
3. **Connect Device:** Connect your iAuto702 Pro to your computer using the provided USB cable.

4. **Perform Update:** Launch the update client software on your computer and follow the on-screen instructions to download and install the latest software versions to your device. Ensure a stable internet connection during the update process.

FREE UPDATE ONLINE

UPDATE SOFTWARE; SUPPORTS PRINT OUT DIAGNOSTIC REPORT VIA PC



Image: Depicts the process of updating the VIDENT iAuto702 Pro online, showing the device connected to a laptop via USB, and a printer for diagnostic report printouts.

Care and Storage

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Store the device in its protective pouch when not in use to prevent damage.
- Do not attempt to disassemble the device, as this will void the warranty.

TROUBLESHOOTING

This section addresses common issues you might encounter with your VIDENT iAuto702 Pro.

- **Device Does Not Power On:**
 - Ensure the OBDII cable is securely connected to both the vehicle's OBDII port and the iAuto702 Pro.
 - Verify that the vehicle's ignition is in the 'ON' position (engine can be off).
 - Check the vehicle's battery voltage. The device requires sufficient power from the vehicle.
- **Communication Error with Vehicle:**
 - Confirm the vehicle supports the OBDII protocol.
 - Check for any damage to the OBDII cable or connector.
 - Ensure the vehicle's ignition is on.
 - Try connecting to a different vehicle to rule out a vehicle-specific issue.
- **Software Update Issues:**
 - Ensure your computer has a stable internet connection.
 - Verify that the update client software is the latest version.
 - Temporarily disable any antivirus or firewall software that might interfere with the update process.
 - Ensure the device is properly connected to the computer via USB.
 - *Important:* Always update the tool online immediately upon receiving it, as older software versions may have compatibility issues with newer vehicles or functions.
- **Specific Function Not Working:**
 - Confirm that the specific function is supported for your vehicle's make, model, and year. Refer to the device's on-screen prompts or the VIDENT website for compatibility lists.
 - Ensure the device software is up to date.
 - Some functions require specific vehicle conditions (e.g., engine temperature, ignition cycle). Follow any on-screen instructions carefully.

SPECIFICATIONS

Feature	Detail
Manufacturer	VIDENT
Model Number	iAuto702 Pro
Product Dimensions	20.98 x 11.99 x 3.99 cm
Item Weight	953 g
Power Source	Battery Powered (via OBDII connection)
Screen Size	4.3 Inches

Display Resolution	480x272
UPC	889327034772

WARRANTY AND SUPPORT

VIDENT offers a commitment to product quality and customer satisfaction. Your iAuto702 Pro comes with 3 years of free online software updates, ensuring your device remains current with the latest vehicle data and diagnostic capabilities.

For technical support, warranty claims, or further inquiries, please visit the official VIDENT website or contact their customer service directly. Ensure you have your device's serial number ready when seeking support.

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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