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ANCEL DS600 Elite

ANCEL DS600 Elite OBD2 Scanner User Manual

Model: DS600 Elite

INTRODUCTION

The ANCEL DS600 Elite OBD2 Scanner is a professional-grade diagnostic tool designed for comprehensive vehicle system analysis and maintenance. Running on Android 10, this device offers advanced functionalities including ECU online coding, bidirectional control, and over 34 reset services. It supports a wide range of vehicle makes and models, providing in-depth diagnostic capabilities for both automotive enthusiasts and professional mechanics.



Image: The ANCEL DS600 Elite diagnostic tablet with its wireless VCI connector.

SETUP

- 1. Unpacking:** Carefully remove all components from the packaging. Verify that all accessories listed in the product's accessory list are present.
- 2. Charging the Device:** Connect the provided power adapter to the DS600 Elite tablet and a power outlet. Ensure the device is fully charged before initial use. The 6000mAh battery provides extended operation time.
- 3. Power On:** Press and hold the power button located on the side of the tablet until the ANCEL logo appears on the 8-inch LCD touchscreen.
- 4. Initial Setup:** Follow the on-screen prompts to configure language (supports 25 languages), Wi-Fi connection (2.4GHz & 5GHz dual-frequency), and time zone settings.
- 5. VCI Connection:** Locate the vehicle's OBD2 port, typically under the dashboard. Plug the wireless Bluetooth VCI connector into the OBD2 port. The VCI will establish a wireless connection with the DS600 Elite tablet via Bluetooth 5.0.

6. **Software Update:** It is recommended to perform a software update immediately after initial setup to ensure the latest vehicle coverage and diagnostic functions. Navigate to the "Upgrade" icon on the main menu and follow the instructions for a one-click update. The device includes 2 years of free updates.



Image: Overview of the accessories included with the ANCEL DS600 Elite, such as the main unit, VCI connector, various cables, and power adapters.

OPERATING INSTRUCTIONS

Vehicle Connection and Identification

Once the VCI is connected to the vehicle's OBD2 port and paired with the tablet, the device is ready for vehicle communication. The DS600 Elite supports Intelligent VIN Recognition Technology for automatic vehicle identification.

- **Auto-VIN & Auto-Scan:** From the main menu, select "Diagnosis" or "AutoSearch". The system will automatically detect the vehicle's VIN and initiate a full system scan.

- **Manual Selection:** If automatic VIN detection fails or is not desired, you can manually select the vehicle make, model, and year from the extensive 200,000+ vehicle coverage database.

Your browser does not support the video tag.

Video: Demonstrates the ANCEL DS600 Elite's features, including its interface, ECU online coding, bidirectional control, and diagnostic report generation.

Diagnostic Functions

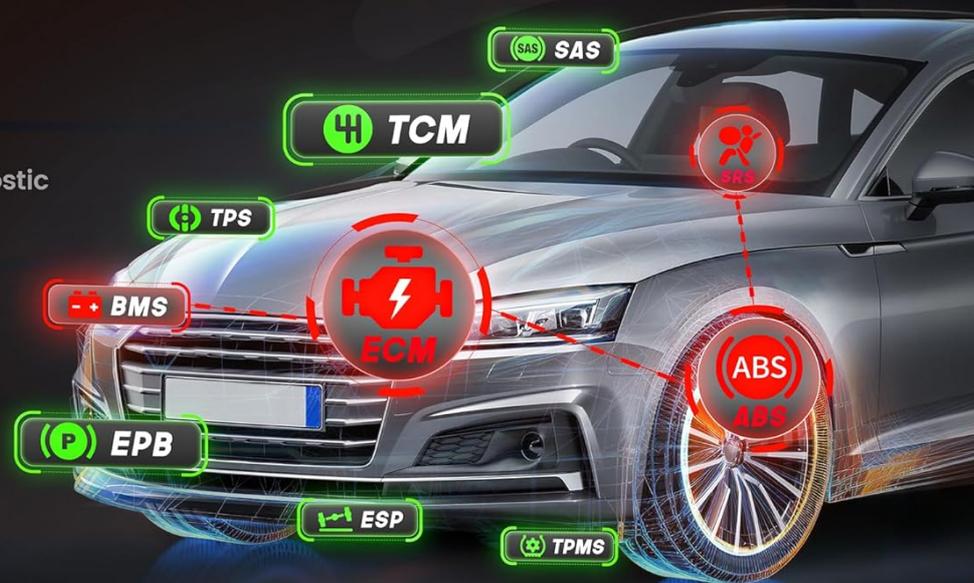
The DS600 Elite provides OE-level full system diagnostics, allowing access to all available modules for reading/clearing DTCs, viewing live data, and performing active tests.

- **Read/Clear DTCs:** Access specific control modules to read diagnostic trouble codes and clear them after repairs.
- **Live Data Stream:** View real-time data parameters from various sensors and components. The device supports 12-in-1 data stream analysis for detailed monitoring.
- **Active Test (Bidirectional Control):** Perform component tests by sending commands to vehicle systems to verify functionality, such as turning on/off lights, operating windows, or testing fuel pumps. This aids in quickly locating faulty components.

OE ALL-SYSTEM DIAGNOSTICS

In-Depth & All-Round Diagnostics on All Available Modules

-  Read/Clear DTCs
-  Print Diagnostic Report
-  Graphic Live Data
-  Auto-VIN Auto-Scan



BI-DIRECTIONAL CONTROL

Individual Bi-directional Test to Pinpoint All Faulty Problems.



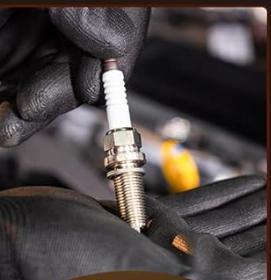
Turn Windows On/Off



Adjust Headlamps



A/C Compressor Clutch Relay



Turn Fuel Pump On/Off

Image: Illustrates the comprehensive OE All-System Diagnostics and the bidirectional control capabilities of the ANCEL DS600 Elite, showing examples like turning windows on/off and adjusting headlamps.

Special Functions and Resets

The tool offers over 34 popular maintenance and reset services, with more functions continuously added through updates.

- **ECU Online Coding:** Match ECU replacements, optimize vehicle performance, and customize car settings (e.g., Power Balance, PMI, Adaptive Data Reset, Online Calibration, Flash Hidden Functions). Supports offline coding for vehicle variants.
- **FCA SGW AutoAuth:** Provides secure access to FCA (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) vehicles from 2017 onwards, bypassing the Security Gateway Module.
- **V.A.G Guided Functions:** Offers step-by-step procedures for VW, SKODA, and SEAT vehicles, simplifying complex repair jobs.
- **Common Reset Services:** Includes Oil Reset, TPS, TPMS, SRS, SAS, ABS, EPB, IMMO, Injector Coding, A/T Learning, Suspension Matching, DPF Regeneration, Brake-pad Reset, Windows Calibration, EGR Adaptation, Coolant Bleeding, and more.

DEALER-LEVEL ECU CODING (ONLINE CODING)

Personalize Car Settings, Better Driving Experience

Component Matching

ECU Replacement

Personalization

ADVANTAGEOUS FEATURES:

- Match/Learn/Code
- the newly replaced ECUS
- Write a VIN to the ECU
- Recode Replacement parts to the car
- Perform a transmission quick relearn
- Program VIN into replacement PCM

UNLOCK HIDDEN FEATURES:
Activate mirrors folding function
Remove change speed limit
Remote window control unlocking
Adjust ambient lighting brightness

DISABLE ANNOYING FUNCTIONS:
Disable seatbelt chime
Disable auto start/stop
Disable daytime running light
More

CUSTOMIZE CAR OE-SETTINGS:
Retrofit Headlamp
Change tire size
Customize dash kits
Retrofit battery with different type

Image: Details the ECU Online Coding capabilities of the ANCEL DS600 Elite, showing personalization options and advantageous

features like matching/learning new ECUs and recoding replacement parts.

34+ FREE SERVICE FUNCTIONS
More Hidden Services Keep Growing

DPF Regeneration
EGR Adaption
Coolant Bleeding
Brake-pad Reset
Windows Calibration
Injector Coding
Seat Calibration
SAS Calibration
Transport Mode

Oil Reset
AFS Reset(headlamp)
TPMS Reset
I-M-M-O Reset
ABS Bleeding
Battery Matching
Gear Learning
Throttle Adaption

Get More From: Diagnostic -- Choose Model&Year -- Select System -- Special Function

Note: The services vary from car to car, it's suggested to check compatibility with us before order.

Image: Displays a selection of the 34+ service functions available on the ANCEL DS600 Elite, such as Oil Reset, TPMS Reset, ABS Bleeding, and Injector Coding.

MAINTENANCE

- **Software Updates:** Regularly check for and install software updates to ensure optimal performance, expanded vehicle coverage, and new features. Updates are available for 2 years free of charge.
- **Cleaning:** Use a soft, damp cloth to clean the device. Avoid abrasive cleaners or solvents that could damage the screen or casing.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure the battery is charged to approximately 50% to prolong its lifespan.
- **VCI Care:** Keep the VCI connector clean and free of debris. Avoid forcing the connector into the OBD2 port.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; faulty power adapter.	Charge the device fully. Check power adapter and cable for damage.
VCI not connecting via Bluetooth.	VCI not properly seated; Bluetooth off on tablet; VCI not powered.	Ensure VCI is firmly plugged into OBD2 port. Verify Bluetooth is enabled on the tablet. Check vehicle's ignition is on.
Unable to communicate with vehicle.	Incorrect vehicle selection; faulty OBD2 port; software outdated.	Verify vehicle information is correctly entered. Test OBD2 port with another device. Update software to the latest version.
Diagnostic function not supported for specific vehicle.	Vehicle compatibility limitations; software version.	Check compatibility with ANCEL support. Ensure software is up-to-date. Some advanced functions may not be universally supported across all models.

For further assistance, utilize the "Online Feedback" function on the device to send diagnostic logs to ANCEL engineers for analysis.

SPECIFICATIONS

- **Operating System:** Android 10.0
- **Processor:** 2.0 GHz Quad-core CPU
- **Display:** 8-inch LCD Touchscreen, 1280 x 800 resolution
- **Memory:** 2GB RAM + 32GB ROM
- **Battery:** 6000mAh Lithium Ion (included)
- **Camera:** 8 Megapixels Rear-Facing
- **Connectivity:** Bluetooth 5.0, 2.4GHz & 5GHz Dual-Frequency Wi-Fi
- **Vehicle Coverage:** Over 200,000+ vehicle models, 150+ car brands (Universal Fit)
- **Languages:** Supports 25 languages
- **Item Weight:** Approximately 11.08 pounds
- **Package Dimensions:** Approximately 18.05 x 12 x 6 inches

ADVANCED HARDWARE CONFIGURATION

Optimized Hardware Configuration Allows Higher Operating Speeds



5-Year
Warranty



2-Year
Free Update



60-Day Return
Replacement



24/7 After
Sale Service



Android 10.0



6000mAh Battery



Rear Camera 8.0MP



8" HD Touchscreen



2G RAM + 32G ROM



Auto-VIN & Auto-Scan



2.4Ghz/5Ghz WI-FI



Timely Feedback



One-click Update



Remote Diagnosis

Image: Highlights the advanced hardware specifications of the ANCEL DS600 Elite, including its Android 10.0 OS, 6000mAh battery, 8-inch HD touchscreen, and 2G RAM + 32G ROM.

WARRANTY AND SUPPORT

The ANCEL DS600 Elite comes with a 2-year free software update period. For specific warranty details, please refer to the warranty card included in your product packaging or contact ANCEL customer service directly.

Customer Support:

- **Online Feedback:** Use the "Online Feedback" function within the device's software to submit issues or questions directly to ANCEL's technical support team.
- **Remote Diagnosis:** The device supports remote assistance, allowing ANCEL technicians or authorized personnel to provide support remotely.
- **Contact Information:** For further inquiries regarding registration, vehicle compatibility, or other difficulties, please contact ANCEL customer service. Refer to the official ANCEL website or the product packaging for the most current contact details.

