LAUNCH YZB05

LAUNCH Creader Elite OBD2 Diagnostic Tool for Mercedes-Benz, Maybach, Sprinter

Model: YZB05

1. Product Overview

The LAUNCH Creader Elite is a professional OBD2 diagnostic tool designed specifically for Mercedes-Benz, Maybach, and Sprinter vehicles. It offers comprehensive system diagnostics, advanced reset functions, ECU coding, and bidirectional control capabilities. This device operates on Android 6.0 and features a 4-inch touchscreen for intuitive navigation.

Key features include:

- **All System Diagnostics:** Reads and clears fault codes for all available vehicle systems, such as engine, ABS, SRS, transmission, EPB, DPF, TPMS, and more.
- **ECU Coding:** Allows for recalibration, adaptation, or configuration of certain components after repairs or replacements. Supports offline coding for ECUs.
- **Bidirectional Control:** Activates or controls vehicle systems or components to test their functionality.
- **31+ Reset Functions:** Includes oil lamp reset, SAS reset, brake pad reset, TPMS reset, injector coding, A/F reset, gearbox matching, IMMO service, start/stop reset, suspension matching, electronic throttle sensor reset, AFS reset, transport mode, ODO reset, A/C learning, and more.
- **Smart Diagnosis:** Features AUTO VIN for automatic vehicle identification and displays live sensor data, showing up to 4 PIDs simultaneously.
- **Lifetime Free Updates:** Software updates are available via one-click Wi-Fi, ensuring the device remains current with the latest vehicle data and functionalities.



Image 1.1: Overview of OE-level all systems diagnosis capabilities.

2. Setup

1. **Power On:** Press and hold the power button to turn on the device. The device will boot up to the main menu.
2. **Connect to Vehicle:** Locate the vehicle's OBD2 port, typically under the dashboard on the driver's side. Connect the diagnostic tool's OBD2 cable to this port. Ensure a secure connection.
3. **Initial Configuration:** Follow the on-screen prompts to select your preferred language and time zone.
4. **Wi-Fi Connection:** Navigate to 'Settings' on the device and connect to an available Wi-Fi network. A stable internet connection is required for software updates and online functions.
5. **Software Update:** After connecting to Wi-Fi, go to the 'Upgrade' section. The device will check for available updates. Select and download any pending updates to ensure optimal performance and access to the latest vehicle data.



Image 2.1: One-click free update interface.

3. Operating Instructions

3.1. Vehicle Diagnosis

1. **Start Diagnosis:** From the main menu, select 'Diagnose'. The device will attempt to automatically identify the vehicle using AUTO VIN scan. If AUTO VIN fails, you may need to manually select the vehicle make, model, and year.
2. **System Scan:** Once the vehicle is identified, select 'Health Report' or 'System Scan' to perform a comprehensive scan of all available electronic control units (ECUs).
3. **Read/Clear Fault Codes:** After the scan, the device will display any detected Diagnostic Trouble Codes (DTCs). Select a system to view detailed fault descriptions. To clear codes, select 'Clear Fault Code'. Ensure the underlying issue is resolved before clearing codes.
4. **Live Data Stream:** Select 'Read Data Stream' to view real-time parameters from various sensors. This data can be displayed numerically or graphically, allowing for detailed analysis. The device can display up

to 4 PIDs simultaneously.



Image 3.1: Automatic VIN scan feature.

3.2. Reset Functions

From the main menu, select 'Reset' to access the various maintenance and reset functions. Common functions include:

- **Oil Reset:** Resets the oil service light after an oil change.
- **EPB Reset:** Resets the electronic parking brake after brake pad replacement.
- **SAS Reset:** Calibrates the steering angle sensor.
- **TPMS Reset:** Resets the Tire Pressure Monitoring System.
- **DPF Regeneration:** Initiates the Diesel Particulate Filter regeneration process.
- **Injector Coding:** Codes new injector numbers into the ECU.
- **Gearbox Matching:** Adapts the transmission after repairs or replacement.

Follow the on-screen instructions for each specific reset function. Some functions may require specific vehicle conditions (e.g., engine temperature, ignition status).



Image 3.2: Full range of reset functions.

3.3. ECU Coding and Bidirectional Control

These advanced functions allow for deeper interaction with vehicle systems:

- **ECU Coding:** Used to match, learn, or code newly replaced ECUs or to customize vehicle settings. Access this function through the 'Diagnose' menu under 'Special Function' or 'Variant Coding'.
- **Bidirectional Control (Active Test):** Allows you to send commands to vehicle components to test their operational status. Examples include operating mirrors, modulating the throttle, turning on the radiator fan, or testing door locks. This helps in pinpointing faulty components.

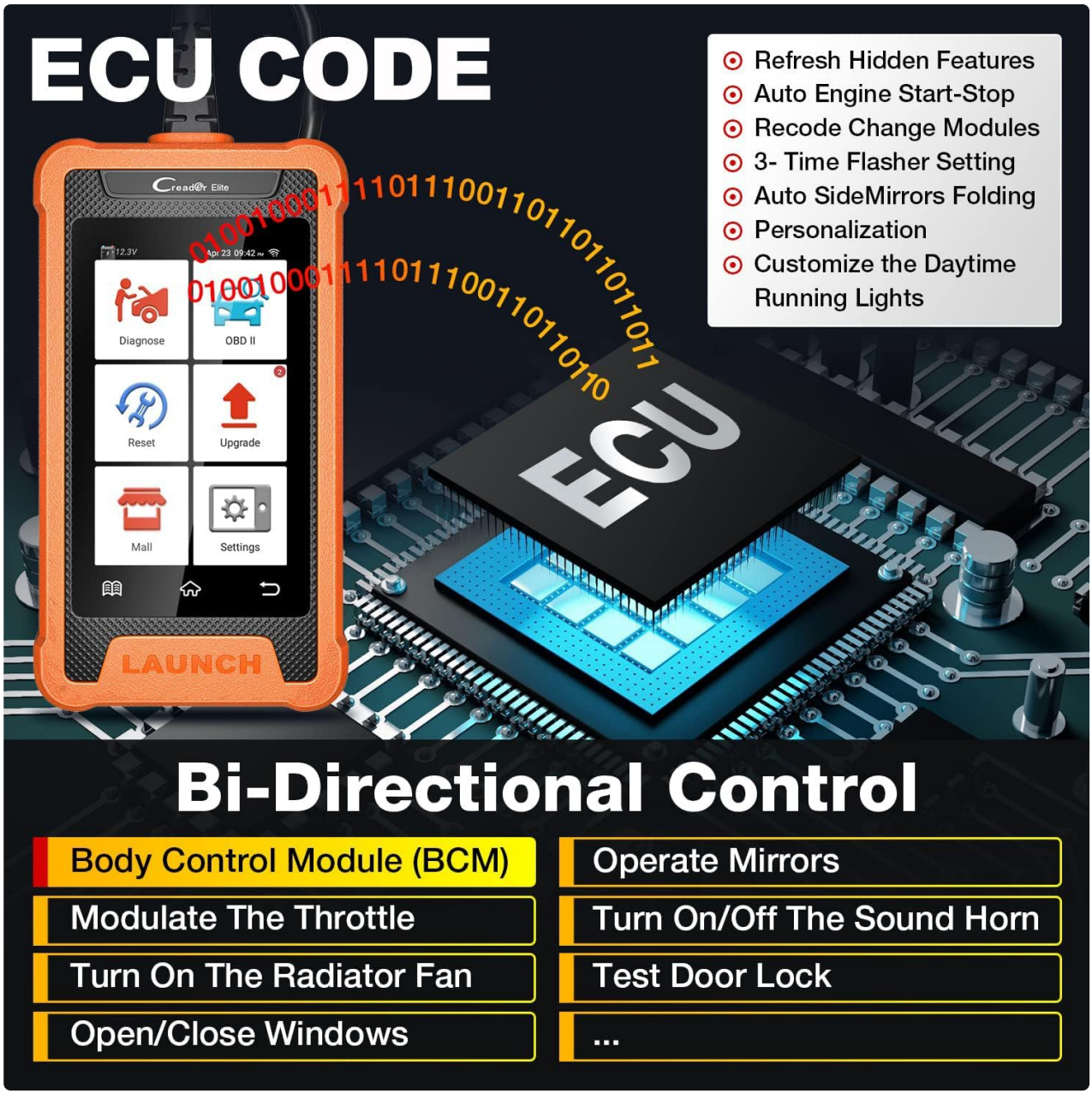


Image 3.3: ECU coding and bidirectional control capabilities.

3.4. OBD II Functions for All Car Makes

In addition to specific Mercedes-Benz functions, the device supports standard OBD II functions for all car makes:

- Read Codes
- Erase Codes
- View Live Data
- View Freeze Frame Data
- O2 Sensor Test
- EVAP System Test
- I/M Readiness
- Turn Off MIL (Malfunction Indicator Lamp)
- Vehicle Information
- On-Board Monitor Test



Image 3.4: Standard OBD II functions.

3.5. Diagnostic Reports

The device can generate and save diagnostic reports. These reports provide a summary of the vehicle's condition, including VIN, diagnostic date, and detected fault codes. Reports can be printed or shared via email for record-keeping or further analysis.

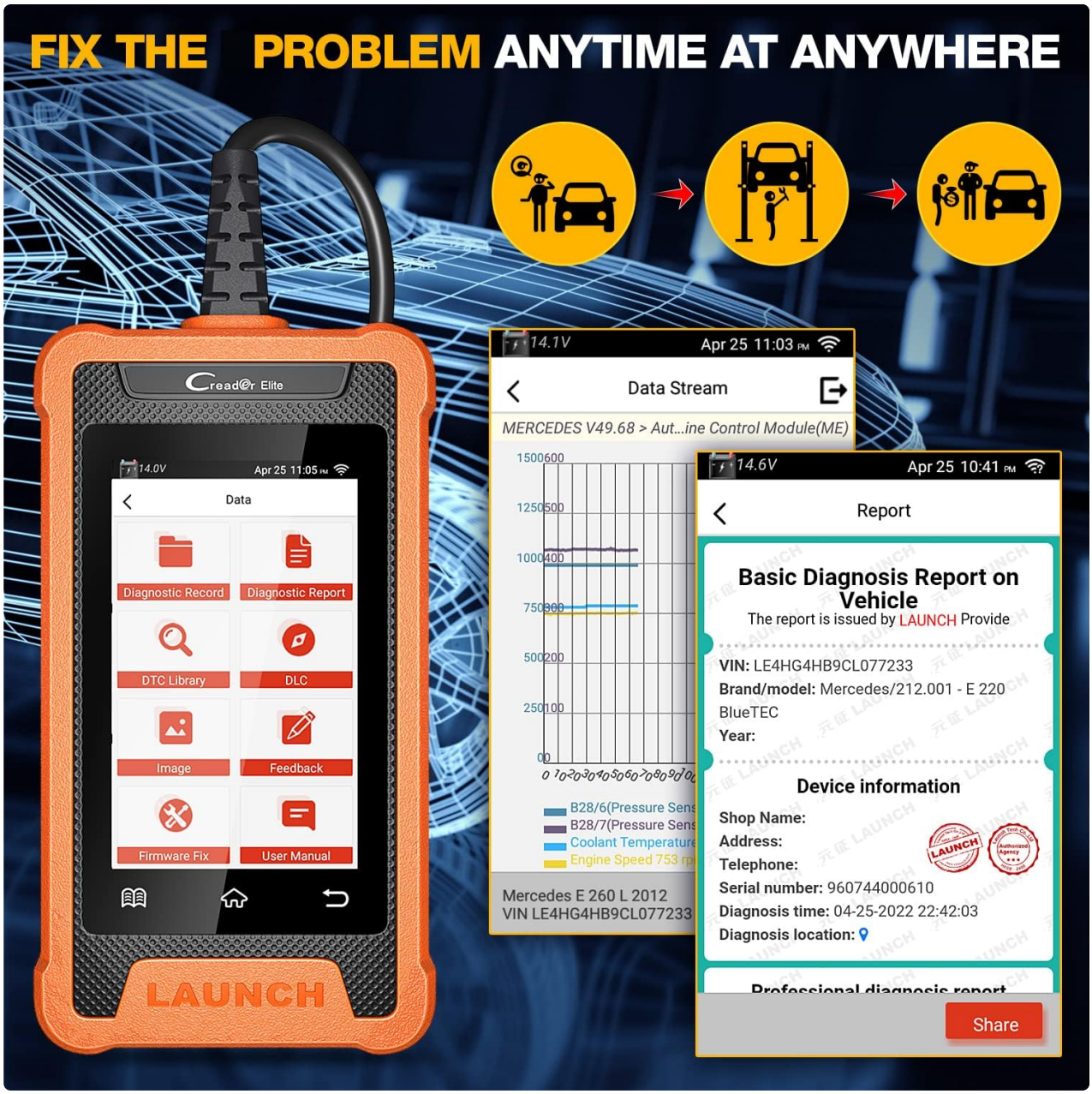


Image 3.5: Diagnostic data stream and report generation.

4. Maintenance

- **Software Updates:** Regularly check for and install software updates via Wi-Fi to ensure the device has the latest vehicle coverage and features. Updates are free for life.
- **Cleaning:** Clean the device with a soft, damp cloth. Avoid using abrasive cleaners or solvents. Keep the screen free of dust and smudges for optimal touch response.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Disconnect it from the vehicle when not in use.
- **Battery Care:** If the device has an internal battery, ensure it is charged periodically to maintain battery health, even when not in regular use.

5. Troubleshooting

- **Device Not Powering On:** Ensure the device is properly connected to the vehicle's OBD2 port or a power source. Check the vehicle's battery voltage.
- **Connection Issues:** Verify that the OBD2 cable is securely connected to both the device and the vehicle. Ensure the vehicle's ignition is on.
- **Slow Operation/Updates:** A slow internet connection can affect update speed. Ensure a strong Wi-Fi signal. If the device is generally slow, try restarting it.
- **Cannot Clear Fault Codes:** If fault codes cannot be cleared, it indicates an active underlying issue in the vehicle. The codes will reappear until the root cause is addressed and repaired.
- **Function Not Available:** Some advanced functions may not be supported by all vehicle models or years. Ensure your vehicle is compatible with the specific function you are attempting to use.
- **Software Glitches:** If you experience unexpected behavior, ensure your software is up to date. If the issue persists, contact customer support.

6. Specifications

Brand	LAUNCH
Model Number	YZB05
Power Source	Battery Powered
Operating System	Android 6.0
Screen Size	4 Inches
Native Resolution	320x480
GTIN/UPC	884508007798
Country of Origin	China



Image 6.1: Rear view of the diagnostic tool with technical details.

7. Warranty and Support

The LAUNCH Creader Elite diagnostic tool comes with a commitment to quality. Spare parts availability in the EU is guaranteed for 2 years.

For any quality issues, update problems, or compatibility concerns, please contact customer support. You can typically reach support via the messaging system on the platform where the product was purchased (e.g., Amazon message).

Remember that software updates are provided free for life, ensuring continuous improvement and expanded vehicle coverage for your device.

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