

XTOOL

XTOOL D6 OBD2 Scanner Diagnostic Tool Instruction Manual

Model: XTOOL D6 Smart Diagnostic System

1. INTRODUCTION

The XTOOL D6 is a portable and powerful OBD2 scanner and vehicle maintenance solution designed for professionals, DIY enthusiasts, and home mechanics. It offers comprehensive diagnostic capabilities across all vehicle systems, along with 15 essential reset functions, ensuring your vehicle remains in optimal condition. This manual provides detailed instructions for its effective use.

2. WHAT'S IN THE BOX

- XTOOL D6 Scan Tool
- OBD2 Cable
- Type C Cable for Charging
- Quick Guide
- Tech Support Information

3. KEY FEATURES

- **Comprehensive All System Diagnostics:** Full access to vehicle systems including engine, transmission, ABS, airbag, and more.
- **15 Essential Reset Functions:** Includes Oil Light Maintenance, Throttle Relearn, EPB (Parking Brake Reset), TPMS Reset, SAS Calibration, Injector Coding, ABS Bleeding, Gearbox Match, Suspension Adjustment, and Crank Sensor Relearn.
- **CAN FD Protocol & FCA AutoAuth Support:** Compatible with modern vehicles, including 2018 and newer FCA vehicles, without needing additional cables.
- **Real-time Live Data Monitoring:** Displays up to 4 dynamic data graphs simultaneously for accurate analysis.
- **User-Friendly Interface:** 5.45-inch high-resolution touchscreen (1440x720) for clear visibility.
- **Free Lifetime Updates:** Access to the latest features via Wi-Fi updates with no subscription fees.

- **Battery Voltage Display:** Monitors the vehicle's electrical system in real-time.
- **Smart AutoVIN:** Automatically identifies vehicle VIN for faster diagnostics (may not work on all vehicles).
- **Built-in DTC Library:** Helps interpret fault codes easily.
- **Durable Design:** Features silicone grips and reinforced cables for longevity.
- **Wide Vehicle Compatibility:** Works with OBDII-equipped vehicles made after 1996, covering over 90 brands.

4. SPECIFICATIONS

Feature	Detail
Brand	XTOOL
Operating System	Linux
Display Resolution	1440x720
Item Weight	1.76 pounds
Storage	32GB (expandable)
Battery Capacity	3150mAh
Charging Port	Type C
Connectivity	Wi-Fi, OBD2 Cable
Supported Protocols	Most OBDII protocols, including CAN FD

5. SETUP GUIDE

5.1 Initial Power On and Connection

1. Ensure the XTOOL D6 is sufficiently charged using the provided Type C cable.
2. Locate your vehicle's OBD2 port, typically found under the dashboard on the driver's side.
3. Connect the OBD2 cable to the XTOOL D6 and then to your vehicle's OBD2 port.
4. Turn on the vehicle's ignition (do not start the engine unless instructed by a specific function).
5. The XTOOL D6 will power on automatically upon connection or can be manually powered on.



Image: The XTOOL D6 device displaying its main menu interface, ready for operation.

5.2 Software Updates

The XTOOL D6 offers free lifetime updates via Wi-Fi. It is recommended to regularly update the software to ensure access to the latest features and vehicle compatibility.

- From the main menu, select 'Updates'.
- Connect the device to a stable Wi-Fi network.
- Follow the on-screen prompts to download and install available updates.

ENJOY LIFETIME UPDATES AT NO EXTRA COST



**One Click
Online Update**



**Report
Sharing**

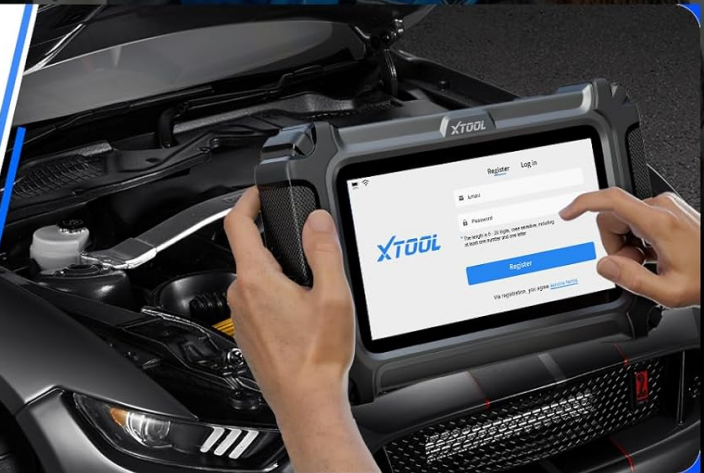


Image: The XTOOL D6 showing its update interface, highlighting the one-click online update feature.

5.3 Language Settings

The device comes with a built-in English language option. For other languages, you may need to contact XTOOL customer service.

- Navigate to 'Settings' from the main menu.
- Select 'Language' to choose your preferred language.
- If your desired language is not available, send your serial number (S/N) along with the desired language to xtoolofficial@hotmail.com to request a language change.

6. OPERATING INSTRUCTIONS

6.1 General Navigation

The XTOOL D6 features a clear touchscreen interface. Use the touch screen to navigate through menus and select functions. The main menu provides quick access to core diagnostic features.

FULL OBD2 FUNCTIONS, WORK ON 10000+ CARS

Go-to OBD2 Scan Tool for anyone who owns a 12V car, SUV, or light truck, i.e., any car built after 1996 with a standard OBDII port.



Help to pinpoint issues when the "Check Engine" light comes on



Ensure vehicles meet emissions standards



Clear Codes and turn off the "Check Engine" light

...
AND MORE

Image: The XTOOL D6 interface showing clear navigation options for various diagnostic tasks.

6.2 All System Diagnostics

This function allows you to access and diagnose all available systems in your vehicle, including engine, transmission, ABS, airbag, and more.

- From the main menu, select 'Diagnosis' or 'Auto Scan'.
- The tool will automatically identify your vehicle (if AutoVIN is supported) or prompt for manual selection.
- Once connected, you can read and clear Diagnostic Trouble Codes (DTCs), view live data, and access vehicle information.

ALL SYSTEM DIAGNOSTICS WITH ONE-CLICK



When early-stage vehicle issues arise, you can rely on the D6 to pinpoint problems in the all available systems and decide if further repair is needed.



Image: The XTOOL D6 performing an all-system diagnostic, illustrating its ability to read codes, view live data, and access ECU information.

6.3 Special Functions (15 Reset Services)

The D6 offers 15 essential reset functions for various vehicle maintenance tasks. Select 'Special Function' from the main menu to access these options.

- **Oil Light Reset:** Resets the oil service light after an oil change.
- **EPB (Electronic Parking Brake) Reset:** Resets the electronic parking brake system.
- **TPMS Reset:** Resets tire pressure monitoring system sensors.
- **SAS (Steering Angle Sensor) Calibration:** Calibrates the steering angle sensor.
- **Injector Coding:** Codes new injector numbers to the ECU.
- **ABS Bleeding:** Performs ABS brake bleeding to restore brake sensitivity.
- **Throttle Relearn:** Adapts the throttle body to its new position after cleaning or replacement.
- **Gearbox Match:** Adapts the transmission control unit.
- **Suspension Adjustment:** Adjusts the vehicle's suspension system.
- **Crank Sensor Relearn:** Relearns crankshaft position sensor.
- **Headlight Adjustment:** Adjusts headlight settings.

- **Window Initialization:** Initializes power windows.
- And more, depending on vehicle compatibility.

15

ESSENTIAL MAINTENANCE FUNCTIONS

Special functions vary by vehicle, please check the compatibility before purchase.

Throttle

Suspension

TPMS Reset

ABS Bleeding

Injector Coding

Gearbox Match

Headlight

Window Initialization

EGR Relearn

Crank Sensor Relearn

Special functions

ABS Bleeding

BMS Reset

EGR Relearn

EPB

SAS

DPF/GPF

Maintenance Light Reset

Gearbox Matching

Suspension System

NOTE:

Please check the compatibility before order: [xtoolofficial @ hotmail . c o m](mailto:xtoolofficial@hotmail.com)

Image: The XTOOL D6 showing its array of 15 essential maintenance functions, such as throttle relearn and ABS bleeding.

6.4 Live Data Monitoring

Monitor real-time live data streams from various sensors. This helps in diagnosing intermittent issues and verifying repairs.

- After selecting 'Diagnosis' and connecting to the vehicle, choose 'Live Data'.
- You can select up to 4 data streams to display simultaneously for comparative analysis.

MONITOR AND GRAPH UP TO 4 LIVE DATA STREAMS

Real-time Monitoring and Analysis, visually display the sensor data, and pinpoint potential issues with greater accuracy.



Image: The XTOOL D6 displaying multiple live data streams graphically, allowing for real-time monitoring and analysis.

6.5 DTC Definition

The built-in DTC library provides definitions for diagnostic trouble codes, helping you understand vehicle issues without needing external resources.

- When DTCs are read, select the code to view its definition and potential causes.

6.6 Battery Voltage Display

The D6 includes a real-time battery voltage display to monitor your vehicle's electrical system, helping prevent unexpected module breakdowns.

- The battery voltage is typically displayed on the top bar of the device screen.

6.7 Diagnostic Report

Save and share diagnostic reports to keep track of your vehicle's performance and maintenance history.

- After completing a diagnostic scan, look for options to 'Save' or 'Share' the report.

7. SPECIFIC OPERATION: THROTTLE BODY RELEARN

This procedure is crucial after cleaning or replacing a throttle body to ensure proper engine idle and response. The XTOOL D6 simplifies this process.

7.1 Prerequisites

- Ensure the XTOOL D6 is properly connected to the vehicle's OBD2 port.
- Turn on the vehicle's ignition (engine off).
- The vehicle battery voltage must be at least 11.5V.
- The engine should have no active fault codes. Clear any existing DTCs before proceeding.
- Do not press the accelerator pedal during the procedure.
- Turn off all electrical equipment and accessories (e.g., radio, lights, AC).
- The engine should be at operating temperature (warmed up).

7.2 Step-by-Step Procedure

1. From the XTOOL D6 main menu, select 'Special Function'.
2. Choose 'Throttle Matching' or 'Throttle Relearn'.
3. Select your vehicle's manufacturer from the list. The tool will attempt to recognize the vehicle.
4. Confirm the prerequisites displayed on the screen. Press 'OK' to proceed.
5. The device will connect and initialize the diagnostic program.
6. You may be prompted to select a specific channel for the throttle body reset. Refer to your vehicle's service manual or online resources to find the correct channel (e.g., for a Skoda Fabia, it might be Type 1, 060 channel).
7. Once the correct channel is selected, the throttle body relearn process will begin. You may hear clicking or buzzing sounds from the throttle body as it performs the reset. This process typically takes less than a minute.
8. Once the process is complete, exit all menus on the XTOOL D6.
9. Start the vehicle's engine. If the reset was successful, the engine should start immediately and idle normally.
10. Disconnect the XTOOL D6 from the OBD2 port.
11. It is recommended to take the vehicle for a short test drive to confirm improved throttle response and engine performance.

Video: A detailed demonstration of performing a throttle body relearn using an XTOOL diagnostic tool. The video shows connecting the device, navigating through the special functions menu, selecting the throttle matching option, confirming prerequisites, and observing the throttle body's physical movement during the reset process.

8. MAINTENANCE

- **Keep Clean:** Wipe the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Store Properly:** Store the XTOOL D6 in its original packaging or a protective case when not in use to prevent damage.
- **Software Updates:** Regularly perform software updates as described in Section 5.2 to ensure optimal performance and compatibility.
- **Battery Care:** Charge the device regularly, even if not in frequent use, to maintain battery health.

9. TROUBLESHOOTING

- **Device Not Powering On:** Ensure the device is fully charged or connected to the vehicle's OBD2 port

with the ignition on. Check the OBD2 cable for any damage.

- **Communication Error:** Verify that the OBD2 cable is securely connected to both the device and the vehicle's port. Ensure the vehicle's ignition is on. Try a different vehicle if possible to rule out a vehicle-specific issue.
- **Function Not Working:** Ensure your vehicle model and year are compatible with the specific function you are trying to perform. Check for any pending software updates.
- **Incorrect Readings/DTCs:** Ensure the vehicle's VIN is correctly identified. Perform a full system scan to get a comprehensive overview.
- **Physical Durability:** The XTOOL D6 is designed to be robust. A drop test video demonstrates its ability to withstand impacts and continue functioning, indicating good physical durability.

Video: A demonstration of the XTOOL D6's durability through a drop test. The device is shown being dropped multiple times and continuing to function, highlighting its robust construction.



10. WARRANTY AND SUPPORT

XTOOL stands by its products with a 2-year warranty and continued technical support.

- **Warranty:** The XTOOL D6 comes with a 2-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Technical Support:** For any technical issues, questions, or assistance, you can contact XTOOL technical support at xtoolofficial@hotmail.com.
- **Online Resources:** Visit the official XTOOL website for additional resources, FAQs, and product information.

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Related Documents -

<div></div>	<p>XTOOL D7 Diagnostic Tool User Manual</p> <p>Comprehensive user manual for the XTOOL D7 Diagnostic Tool, covering its features, operation, safety guidelines, and troubleshooting. Learn how to perform various diagnostic functions, special services, and system resets for a wide range of vehicles.</p>
<div></div>	<p>XTOOL D6S Smart Diagnostic System User Manual</p> <p>Comprehensive user manual for the XTOOL D6S Smart Diagnostic System, detailing its features, operation, maintenance services, special functions, and safety guidelines for automotive professionals and DIY enthusiasts.</p>

