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› XTOOL D7S OBD2 Scanner Diagnostic Tool User Manual

XTOOL D7S

XTOOL D7S OBD2 Scanner Diagnostic Tool User Manual

Model: D7S | Brand: XTOOL

INTRODUCTION

The XTOOL D7S OBD2 Scanner Diagnostic Tool is an advanced diagnostic device designed for comprehensive vehicle system analysis. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your D7S scanner to ensure optimal performance and accurate diagnostics.

The D7S V2.0 features upgraded hardware including 2+64GB storage, a high-definition rear camera, a folding stand, and an intuitive user interface. It supports Type-C fast charging and is compatible with the XV200 Endoscope.

SETUP AND FIRST USE

Package Contents

Before starting, verify that all items are present in the package:

- XTOOL D7S V2.0 Diagnostic Tablet
- OBDII Main Cable
- Type-C Charger Cable
- Charger Adapter (EU/US/UK)
- Type-A Adapter (to PC)
- Tool Case
- Quick Guide

In-depth **Diagnostics**, Detailed Analysis

» Quick and Easy Setup|Intuitive Interface|Clear navigation

Auto VIN

- **AUTO Scan**
- **8-in-1 Pids Graphic**
- **Google Code Search**
- **Crankshaft Relearn**
- **Report Print and Share**
- **Vehicle Voltage Display**
- **8MP Rear Camera**
- **Work with XV200**
- **Endoscope**
- **Foldable Bracket**



39+
Services



4000+
Active Test



All
System
Diagnostic



ECU
Coding Online
&Offline



PMI
Programming



3 Years
Free Updates

Image: The XTOOL D7S V2.0 diagnostic tool and its included accessories, such as the OBDII cable, charger, and carrying case.

Initial Power On and Configuration

1. **Charge the Device:** Connect the Type-C charger cable to the D7S and a power outlet. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the power button located on the side of the device until the XTOOL logo appears.
3. **Language Selection:** Follow the on-screen prompts to select your preferred language. The device supports 23+ languages.
4. **Wi-Fi Connection:** Connect the device to a stable Wi-Fi network to enable software updates and online functions.
5. **Software Update:** Navigate to the "Updates" section on the main interface and download any available software updates. It is recommended to keep the software updated for optimal performance and vehicle compatibility.

OPERATING THE D7S DIAGNOSTIC TOOL

Connecting to a Vehicle

1. Locate the vehicle's OBDII port, typically under the dashboard on the driver's side.
2. Connect the OBDII Main Cable to the D7S device and then to the vehicle's OBDII port.
3. Turn the vehicle's ignition to the "ON" position (engine off).
4. The D7S will automatically establish communication with the vehicle.



Image: The XTOOL D7S diagnostic tool connected to a vehicle, ready for operation.

Main Functions Overview

The D7S offers a range of diagnostic functions accessible from the main menu:

- **Diagnosis:** Perform full system scans, read and clear DTCs, view live data, and retrieve freeze frame data.
- **Special Function:** Access 36+ maintenance and service functions.
- **Report:** Generate, view, and share diagnostic reports.
- **Updates:** Download the latest software and vehicle data.
- **Settings:** Configure device preferences, network settings, and system information.
- **Remote Control:** For remote technical assistance.

2025 XTOOL D7S

NEWEST Upgraded Ver. of D7

► Offering enhanced features and superior performance.

Professional Diagnostics

- Can FD/DoIP/FCA ↑
- Full System Diagnostics
- Bidirectional Controls
- 39+ Special Functions
- Online ECU Coding ↑
- Support PMI Function ↑
- 23 Languages ↑

Hardware Upgrades

- New User Interface ↑
- Type-C Charging ↑
- 2500mAh*7.3V ↑
(5000mAh*3.7V)
- Vehicle Voltage Display ↑



2+64 GB
Storage

7-inch
Screen

1.5GHz
Quad-core

10 OS
Android

2.4G & 5Ghz

Image: The main user interface of the XTOOL D7S, displaying options for diagnosis, special functions, reports, and updates.

OE-Level Full System Diagnostics

The D7S V2.0 provides comprehensive OE-level diagnostics for all vehicle systems, including Engine, ABS, SRS, Transmission, BCM, HVAC, and more. This allows for thorough troubleshooting and identification of issues across the entire vehicle.

- **Read ECU Info:** Displays detailed information about the Electronic Control Unit.
- **Read Trouble DTC:** Reads Diagnostic Trouble Codes to identify specific faults.
- **Clear Trouble DTC:** Clears stored DTCs after repairs are completed.
- **Read Live Data:** Monitors real-time data streams from various sensors and components.
- **Read Freeze Frame:** Captures a snapshot of sensor data at the moment a fault code was set.
- **Active Test:** Performs bidirectional control tests on vehicle components.

OE-Level All Systems Diagnostics

- OE-level diagnostics for all vehicle systems simplify comprehensive troubleshooting.

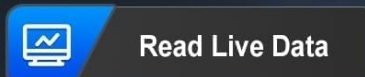
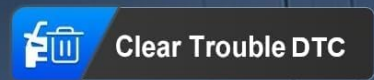
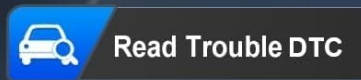
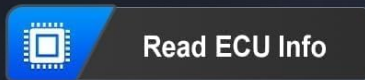


Image: An illustration of the XTOOL D7S performing a full system diagnostic scan, highlighting its ability to read ECU info, DTCs, live data, and conduct active tests.

Bidirectional Control (Active Tests)

The bidirectional control feature allows the D7S to send commands to vehicle systems and components to test their functionality. This includes over 4000 active tests, such as:

- Fuel Injector Test
- ABS Pump Motor Test
- Wiper Motor Test
- A/C Clutch Cycling
- Fuel Pump Activation
- Cooling Fan Test
- Mirror Test
- Hazard Warning Lights Test

4000+ Bidirectional Controls

- Access 4000+ tests and control vehicle systems effortlessly with precise commands.

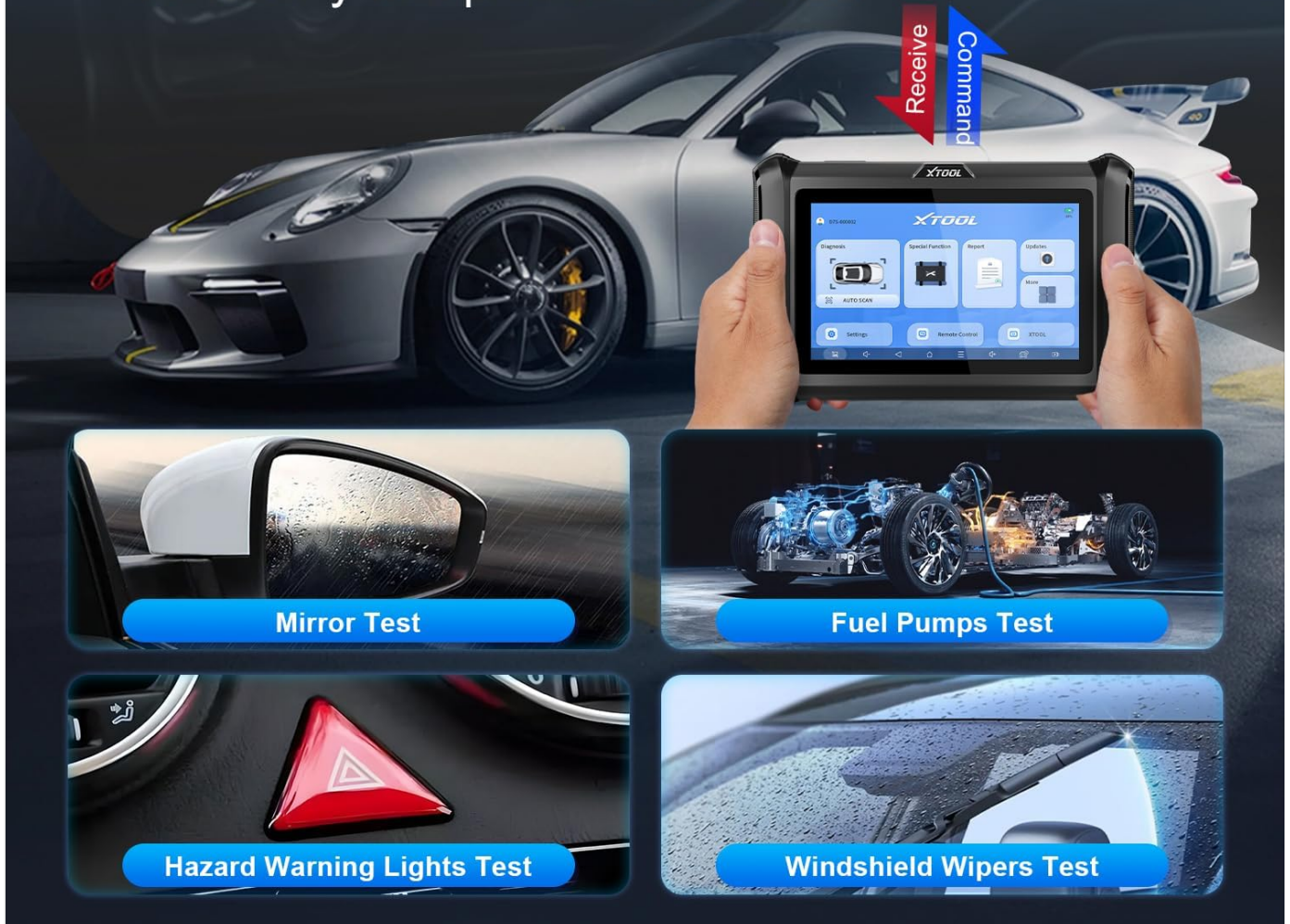


Image: The XTOOL D7S demonstrating bidirectional control capabilities, with examples of tests such as mirror, fuel pump, hazard warning lights, and windshield wipers.

Special Functions (36+ Maintenance Services)

The D7S provides over 36 common maintenance and reset functions, including:

- Oil Reset
- Electronic Parking Brake (EPB) Reset
- Steering Angle Sensor (SAS) Calibration
- Battery Management System (BMS) Reset
- Throttle Relearn
- Injector Coding
- ABS Bleeding
- Tire Pressure Monitoring System (TPMS) Reset
- Crank Sensor Relearn

- Power Balance
- Gearbox Match
- HV Battery
- A/C Relearn
- Rain/Light Sensor
- And more.

36+ Maintenance Services

► Enhance vehicle diagnostics: comprehensive solutions for faster, more efficient results.



Power Balance



ABS Bleeding



Oil Light Reset



EPB



SAS



SRS



BMS Reset



Throttle



TPMS Reset



Injector Coding



Suspension



Headlight

- ✓ Crankshaft pos.variation learn
- ✓ Zero Point Calibration
- ✓ Coolant Bleeding
- ✓ Seat Calibration
- ✓ Control unit Reset
- ✓ Clutch Adaption
- ✓ Gearbox Match
- ✓ Idle Relearn
- ✓ A/F settings
- ✓ Start/Stop Reset
- ✓ Tire Size Reset
- ✓ Crank Sensor Relearn
- ✓ HV Battery
- ✓ A/C Relearn
- ✓ Rain/Light Sensor
- ⋮ And more

NOTE: Please provide the vehicle model/year and required features to check compatibility before purchasing

Image: A visual representation of the 36+ maintenance services offered by the XTOOL D7S, such as Oil Reset, EPB, SAS, BMS Reset, Throttle Relearn, and Injector Coding.

ECU Coding

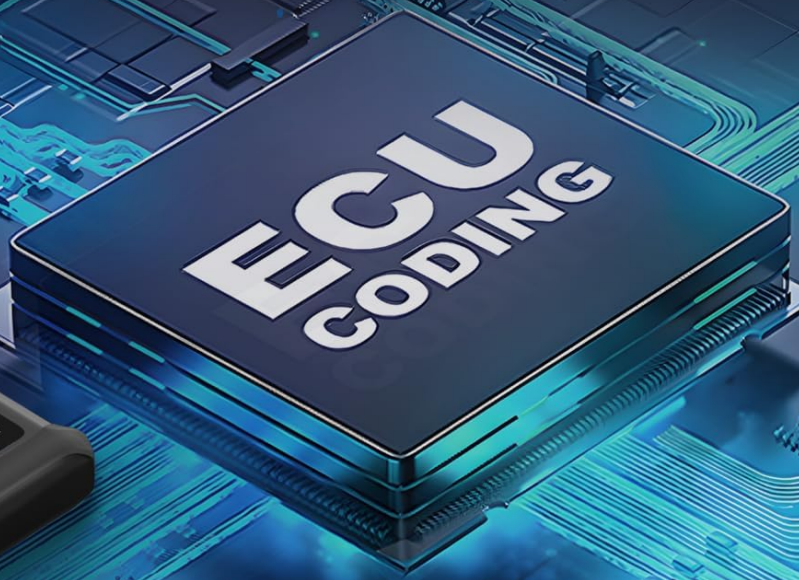
The D7S supports online and offline ECU coding for specific vehicle brands like BMW and Mercedes-Benz, and PMI function for Ford, Lincoln, and Mazda. This function allows for component matching, online calibration, and online parameterization.

Online ECU CODING

► Advanced Vehicle Diagnostic Function

New ECUs Matching

- Component Matching
- Online Calibration
- Online Parameterization



For BENZ



For BMW



For VW



For AUDI



For SKODA

NOTE: Please provide the vehicle model, year, and desired features for compatibility confirmation before purchasing.

Image: The XTOOL D7S performing ECU coding, illustrating its advanced diagnostic capabilities for brands such as Mercedes-Benz, BMW, VW, Audi, and Skoda.

Live Data Graphing and AutoVIN

The device can display up to 8 dynamic PID data streams simultaneously in graphical form, which can be exported as CSV, played back, and recorded. The AutoVIN feature automatically identifies vehicle make, model, and year, while AutoScan scans all ECUs for fault codes.

2025 Newest Hardware **5X Faster** Diagnosis



Android10.0
Rapid Response



1.5GHz 4 Core
Powerful Processor



2G/64G
Smoother Operation



5000mAh
Type-C Fast Charging



2.4&5 GHz
Solid Wireless Upgrading



7" Touchscreen
Larger & Ultra-sharp



OBDII Cable
More Stable Connection



Package includes



Charger Adapter EU/US/UK



Tool Case



Quick Guide



VGA to OBD II
Main Cable



Type-C Charger
Cable



Type-A Adapter
(to PC)

Image: A detailed view of the XTOOL D7S's in-depth diagnostic features, including AutoVIN, 8-in-1 PIDs graphic display, Google Code Search, and report printing capabilities.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, damp cloth to clean the device. Avoid abrasive cleaners or solvents.
- **Storage:** Store the device in its protective case in a cool, dry place when not in use.
- **Software Updates:** Regularly check for and install software updates to ensure the device has the latest vehicle coverage and functions. Updates are free for 3 years.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the device fully. Press and hold the power button for 3-5 seconds.
Cannot connect to vehicle.	OBDII cable loose; Vehicle ignition off; Incompatible vehicle protocol.	Ensure cable is securely connected. Turn ignition to "ON". Verify vehicle compatibility (CAN FD, DoIP, FCA AutoAuth).
Software functions not working.	Outdated software; Software glitch.	Perform a software update. Restart the device.
Slow response time.	Too many applications running; Low storage.	Close unnecessary applications. Clear cache or unused data.

TECHNICAL SPECIFICATIONS

- **Model:** D7S V2.0
- **Operating System:** Android 10.0
- **Processor:** 1.5GHz Quad-core
- **Storage:** 2GB RAM + 64GB ROM
- **Display:** 7-inch Touchscreen, 1024x600 resolution
- **Battery:** 2500mAh 7.3V (equivalent to 5000mAh 3.7V)
- **Connectivity:** Wi-Fi (2.4G & 5G), Type-C
- **Camera:** High-definition rear camera
- **Protocols Supported:** CAN FD, DoIP, OBDII, EOBD, etc.
- **Vehicle Coverage:** 150+ brands, 10,000+ models (US, EU, Asia, Australia)

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3 Years
Free Updates

Image: An overview of the XTOOL D7S V2.0's hardware upgrades and specifications, highlighting its faster diagnosis capabilities.

WARRANTY AND SUPPORT

XTOOL provides comprehensive support for the D7S diagnostic tool:

- **Free Software Updates:** 3 years of free software updates (valued at \$300).
- **Warranty:** 24-month brand warranty.
- **Return Policy:** 30-day return policy.
- **Technical Support:** Lifetime technical support available 24/7/365.
- **Multi-language Support:** Built-in support for 23+ languages.

For technical assistance or compatibility inquiries, please contact XTOOL customer support with your device's serial number (S/N code).

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