

## XTOOL D6S

# XTOOL D6S OBD2 Scanner Diagnostic Tool User Manual

Model: D6S

## 1. INTRODUCTION

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The XTOOL D6S is a portable OBD2 scanner and vehicle maintenance solution designed for comprehensive automotive diagnostics. It offers a wide range of functions for professionals, DIYers, and home mechanics. This manual provides detailed instructions for setting up, operating, and maintaining your D6S diagnostic tool.



Image: The XTOOL D6S diagnostic tool, showcasing its compact design and user interface.

## 2. WHAT'S IN THE BOX

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Upon unboxing your XTOOL D6S, verify that all components are present:

- XTOOL D6S Car Diagnostic Tablet
- OBD2 Cable
- Type C Cable for Charging

## 3. SETUP GUIDE

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### 3.1 Initial Power On and Charging

Connect the provided Type C cable to the D6S device and a suitable power adapter (not included) or a computer USB port. The device will begin charging. A full charge is recommended before first use.

### 3.2 Connecting to Vehicle

Locate your vehicle's OBD2 port, typically found under the dashboard on the driver's side. Connect the OBD2 cable from the D6S to the vehicle's OBD2 port. The device can draw power directly from the OBD2 port once connected to the vehicle's ignition.

### 3.3 Software Updates

The XTOOL D6S offers free WiFi updates, ensuring access to the latest features and vehicle compatibility. It is recommended to regularly check for and install updates to maintain optimal performance and access new functionalities.

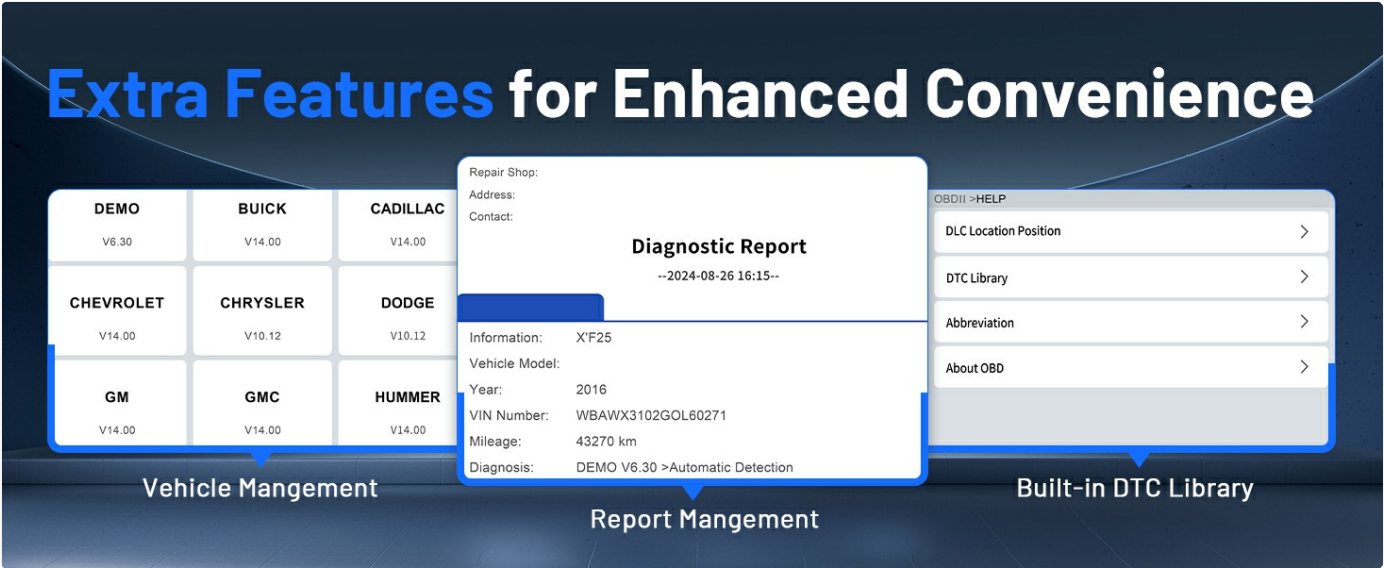


Image: The XTOOL D6S interface showing the update icon, indicating the availability of free software updates.

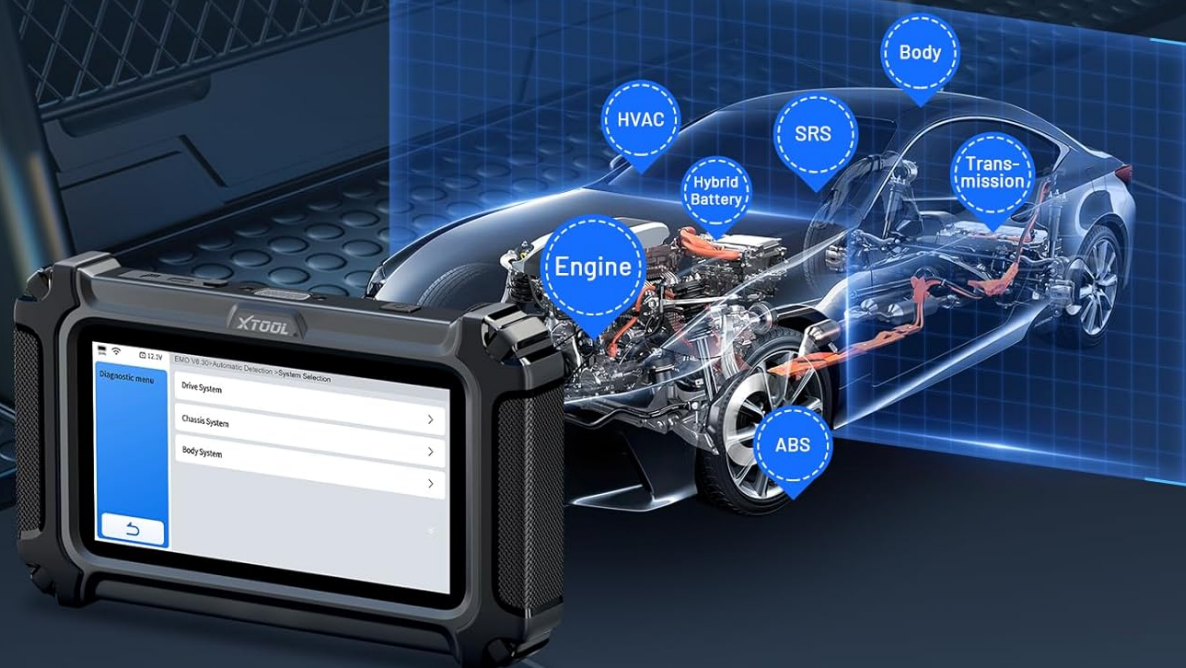
## 4. OPERATING INSTRUCTIONS

### 4.1 Full System Diagnostics

The D6S provides comprehensive access to all vehicle systems, including engine, transmission, ABS, airbag, and more. This allows for reading and clearing Diagnostic Trouble Codes (DTCs), monitoring real-time live data, and displaying up to 4 dynamic data graphs simultaneously.

# Dealer Level Full System Scan

Clear Check Engine Lights & Access OEM-Level Data



- ✓ Read DTC
- ✓ Erase DTC
- ✓ Live Data
- ✓ Freeze Frame
- ✓ ECU Information

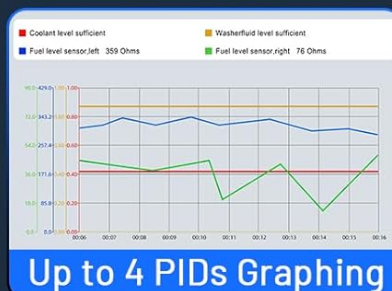


Image: Diagram illustrating the XTOOL D6S performing a full system diagnostic scan on various vehicle modules.

## 4.2 OBD2 Functions

The tool supports full OBDII functions to help diagnose and resolve issues indicated by the Check Engine Light (CEL). Key functions include:

- **Read DTC:** Retrieve current, pending, and permanent diagnostic trouble codes.
- **Erase DTC:** Clear diagnostic trouble codes and turn off the Check Engine Light.
- **Live Data:** View real-time operational parameters of the vehicle.
- **Freeze Frame:** Capture a snapshot of vehicle conditions when a fault code is set.
- **O2 Sensor Monitor:** Check the oxygen sensor's performance.
- **On-Board Monitor Test:** Retrieve results for emission-related powertrain components and systems.
- **I/M Readiness:** Check the readiness of the emission monitoring systems.
- **Component Test:** Initiate a leak test for the vehicle's EVAP system.
- **Read Vehicle Information:** Retrieve VIN, Cal ID, and CVN.



# Engine Light On?

Full OBDII Functions Help You Turn Off MILs and Maintain Car Performance

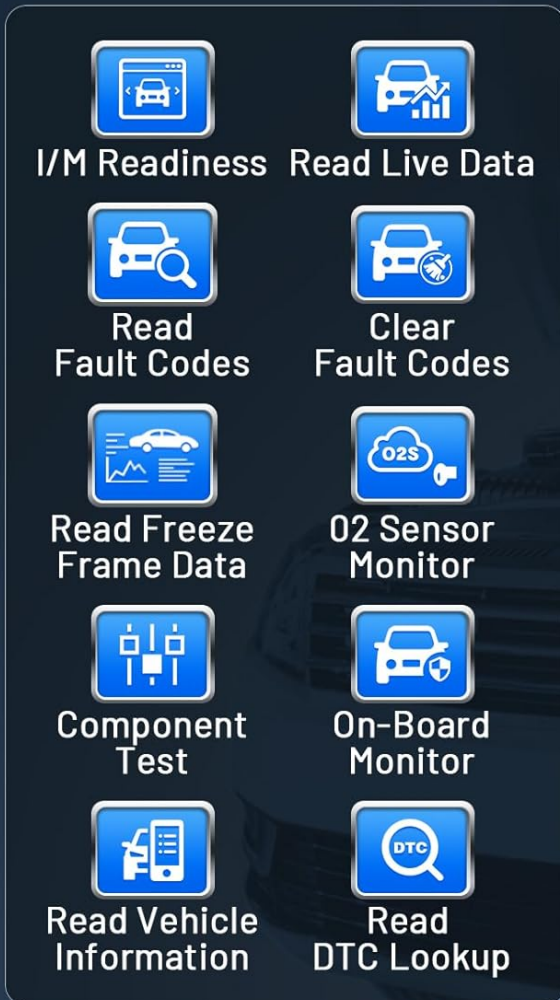


Image: The XTOOL D6S screen showing icons for various OBDII diagnostic functions.

## 4.3 Special Functions (30+ Reset Functions)

The D6S includes over 30 essential reset and maintenance functions. These functions assist in routine vehicle maintenance and post-repair procedures.

- **Throttle Relearn:** Resets the throttle actuators to accurately regulate throttle operations.
- **EPB (Electronic Parking Brake) Reset:** Resets the electronic parking brake system after brake pad replacement.
- **TPMS Reset:** Resets tire pressure monitoring system sensors.
- **SAS Calibration:** Calibrates the steering angle sensor.
- **Injector Coding:** Codes new injector numbers to the ECU.
- **ABS Bleeding:** Bleeds air from the ABS system.
- **Gearbox Match:** Adapts the transmission control module.
- **Suspension Adjustment:** Adjusts vehicle height sensor calibration.
- **Crank Sensor Relearn:** Essential after replacing or resetting the crankshaft position sensor.

- **Oil Reset:** Resets the oil life system.
- **BMS Reset:** Registers the new battery to the ECU.
- **DPF Regeneration:** Clears particulate matter from the DPF filter.
- **Headlight Adjustment:** Adjusts headlight settings.
- **Windows Initialization:** Initializes power windows.
- **Rain/Light Sensor Reset:** Resets rain and light sensors.
- **Transport Mode:** Deactivates transport mode.
- **A/C Relearn:** Relearns air conditioning system parameters.
- **NOx Reset:** Resets NOx sensor values.
- **AdBlue Reset:** Resets AdBlue system.
- **Coolant Bleeding:** Bleeds air from the cooling system.
- **Clutch Adaptation:** Adapts clutch parameters.
- **Tire Size Reset:** Resets tire size parameters.
- **Power Balance:** Checks cylinder power balance.
- **E\*G\*R Relearn:** Relearns EGR valve position.
- **V\*G\*T Relearn:** Relearns variable geometry turbocharger.
- **Seat Match:** Matches seat memory functions.

# 30 Maintenance Functions

From Oil Light Reset to ABS Bleeding - No More Dealership Trips

NOx Reset



Crank Sensor Relearn



Electronic Parking Brake



Throttle Body Relearn



Oil Reset



SRS



A/F Reset



SAS



ABS Bleeding



TPMS Reset



A/C Relearn



Headlight

- › BMS Reset
- › AdBlue Reset
- › Clutch Adaption
- › E\*G\*R Relearn
- › D\*P\*F/G\*P\*F
- › Language Change
- › Power Balance
- › Coolant Bleeding
- › Gearbox Match
- › Transport Mode
- › Suspension
- › Seat Match
- › Tire Size Reset
- › Injector Coding
- › Windows Initialization
- › Rain/Light Sensor
- › Stop/Start Reset
- › V\*G\*T Relearn



**Note**

Function availability varies by vehicle.

Confirm compatibility via VIN at [xtoolofficial@hotmail.com](mailto:xtoolofficial@hotmail.com)

## Diagnostic Report



Generate PDF diagnostic reports to quickly identify issues, track repairs, assist troubleshooting, and document maintenance history.





Image: Illustration of the Throttle Relearn function, showing a throttle body and supported vehicle brands.



# 30 Special Functions

From DIYers to Shops - Skills Not Required!

## Daily Maintenance & Reset Functions

- Oil Reset
- Throttle Reset
- Windows Initialization
- Rain/Light Sensor Reset
- Transport Mode
- TPMS Reset (Tire Pressure Monitoring System Reset)
- BMS Reset (Battery Management System Reset)
- SAS (Steering Angle Sensor) Reset
- EPB (Electronic Parking Brake) Reset

○ Vehicle compatibility varies.  
○ Not all features work on all vehicles.  
○ Check yours: [xtoolofficial @ hotmail. c o m](mailto:xtoolofficial@hotmail.com)

## Emission & Engine Systems

- D\*P\*F / G\*P\*F Regeneration
- E\*G\*R Relearn
- AdBlue Reset
- NOx Reset
- Power Balance
- Coolant Bleeding

## Chassis & Transmission Systems

- ABS Bleeding
- Clutch Adaptation
- Gearbox Match
- Stop/Start Reset
- Tire Size Reset

## Body & Electrical Systems

- Injector Coding
- V\*G\*T Relearn
- Headlight Adjustment
- A/C Relearn
- Seat Match

Image: Illustration of the Crank Sensor Relearn function, depicting an engine crankshaft and supported vehicle brands.

## 4.4 AutoVIN and Diagnostic Reports

The AutoVIN technology automatically identifies your vehicle's VIN for faster diagnostics. After diagnosis, you can save and share detailed diagnostic reports to track vehicle performance and maintenance history.



# Additional User-Friendly & Convenient Diagnostic Features for DIYers and Mechanics

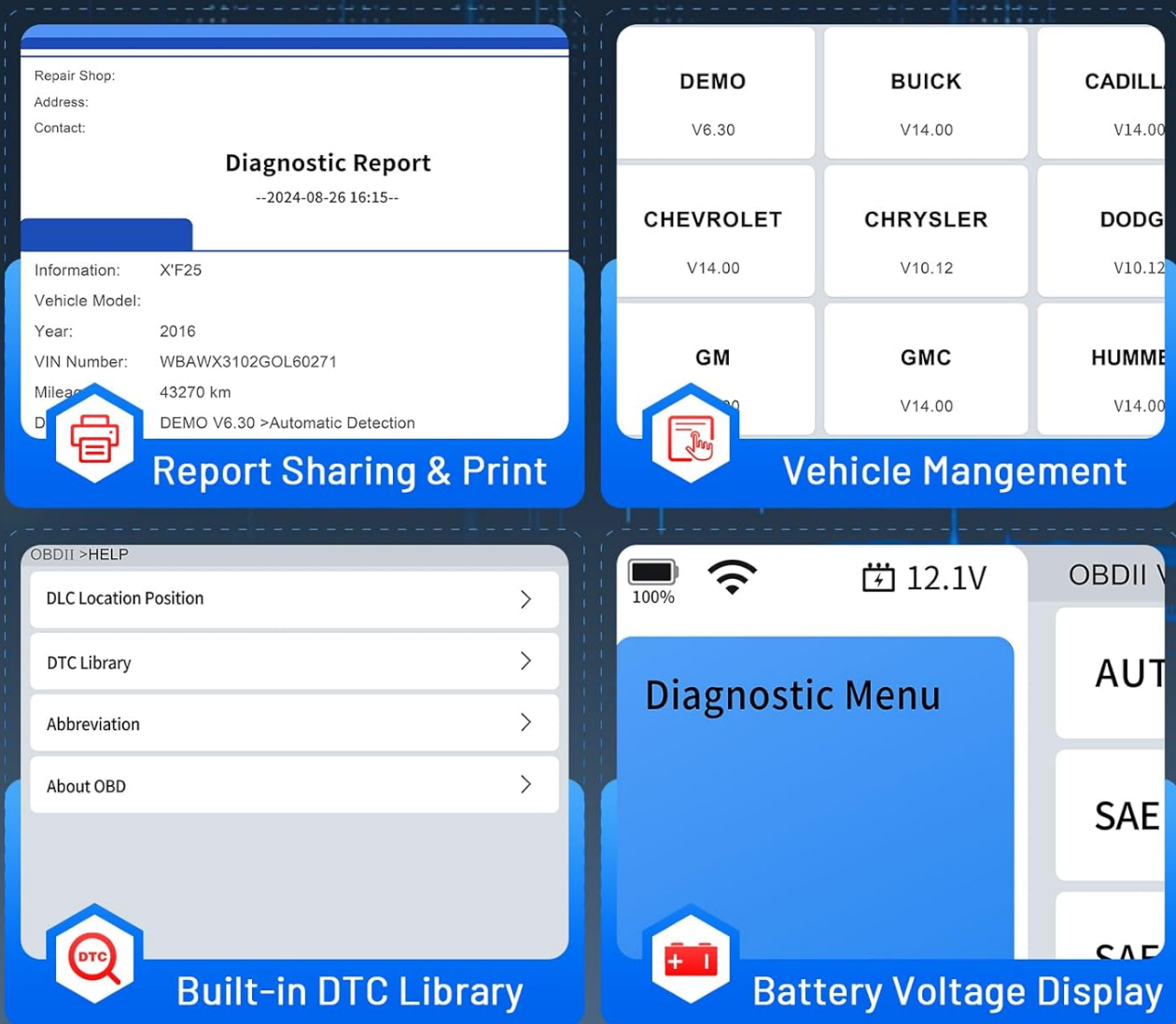


Image: Screenshots of the XTOOL D6S interface demonstrating AutoVIN, diagnostic report generation, and vehicle management.

## 4.5 Battery Voltage Display

Monitor your vehicle's electrical system in real-time with the integrated Battery Voltage Display feature. This helps ensure proper functioning of the battery and charging system.

## Crank Sensor Relearn



An essential function after replacing or resetting the crankshaft position sensor to ensure proper engine timing and performance.

For Ford For Chevrolet For Toyota For Honda For Nissan  
For Jeep For Mercedes-Benz For RAM For GMC For Dodge  
For BMW For Subaru For Audi For Subaru For Hyundai  
For Kia And More



Image: A mechanic checking a car battery with the XTOOL D6S displaying the battery voltage.

### 4.6 FCA AutoAuth & CAN FD Protocol Support

The D6S supports FCA AutoAuth for secure access to 2018 and newer Chrysler vehicles, and CAN FD for high-speed data transmission with 2020 and newer GM vehicles. This eliminates the need for additional cables or connectors for these protocols.

## Compact, User-Friendly and Comprehensive

XTOOL D6S is ideal for Every Driver

Automotive Repair Professionals

DIY Car Owners

Fleet Managers

Car Enthusiasts

Insurance Companies

Dealerships

Image: The XTOOL D6S interface showing FCA AutoAuth login screen and highlighting CAN FD protocol support.

### 4.7 Language Support

The XTOOL D6S supports 15 languages. To change the language, send your tool's serial number to [xtoolofficial@hotmail.com](mailto:xtoolofficial@hotmail.com) for assistance.



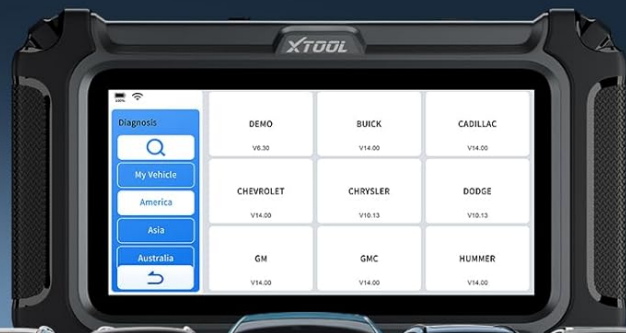
# Wide Vehicles Coverage

✓ Support CAN FD Protocol

✓ Efficient FCA AutoAuth Compatibility

✓ Global Version without IP Restriction

✓ 12V Vehicles include light-duty Trucks



Works with  
1996+ **U.S.** Cars

> 2003+ **EU** Cars

> 2008+ **Asian** Cars

15

Languages  
Supported



English



German



Spanish



French



Russian



Korean



Polish



Portuguese



Vietnamese



Arabic



Japanese



Turkish



Finnish



Italian



Traditional Chinese

And More

Note

Changing languages is quick and easy! Simply send us your tool SN to switch to your preferred language: [xtoolofficial@hotmail.com](mailto:xtoolofficial@hotmail.com)

Image: A map indicating countries and flags representing the 15 supported languages on the XTOOL D6S.

## 5. MAINTENANCE

### 5.1 Device Care

- Keep the device clean and free from dust and moisture.
- Avoid dropping the device or exposing it to extreme temperatures.
- Store the device in a cool, dry place when not in use.

### 5.2 Software Maintenance

Regularly connect the D6S to a Wi-Fi network and check for available software updates. Installing updates ensures continued compatibility with new vehicle models and access to improved diagnostic features.

## 6. TROUBLESHOOTING



## 6.1 Common Issues

- **Device not powering on:** Ensure the OBD2 cable is securely connected to the vehicle's port and the vehicle's ignition is on. If using the Type C cable, ensure it is connected to a working power source.
- **Communication error with vehicle:** Verify the OBD2 cable connection. Ensure the vehicle's ignition is on. Try another vehicle if possible to rule out a vehicle-specific issue.
- **AutoVIN not working:** AutoVIN may not work on all vehicles. If it fails, manually enter the VIN or select the vehicle make/model.
- **Specific function not working:** Function availability varies by vehicle. Consult the XTOOL official support for compatibility verification for your specific vehicle and function.

## 6.2 Built-in DTC Library

The D6S features a built-in DTC library to help interpret fault codes. Access this library from the main menu to understand the meaning of diagnostic trouble codes displayed by the scanner.

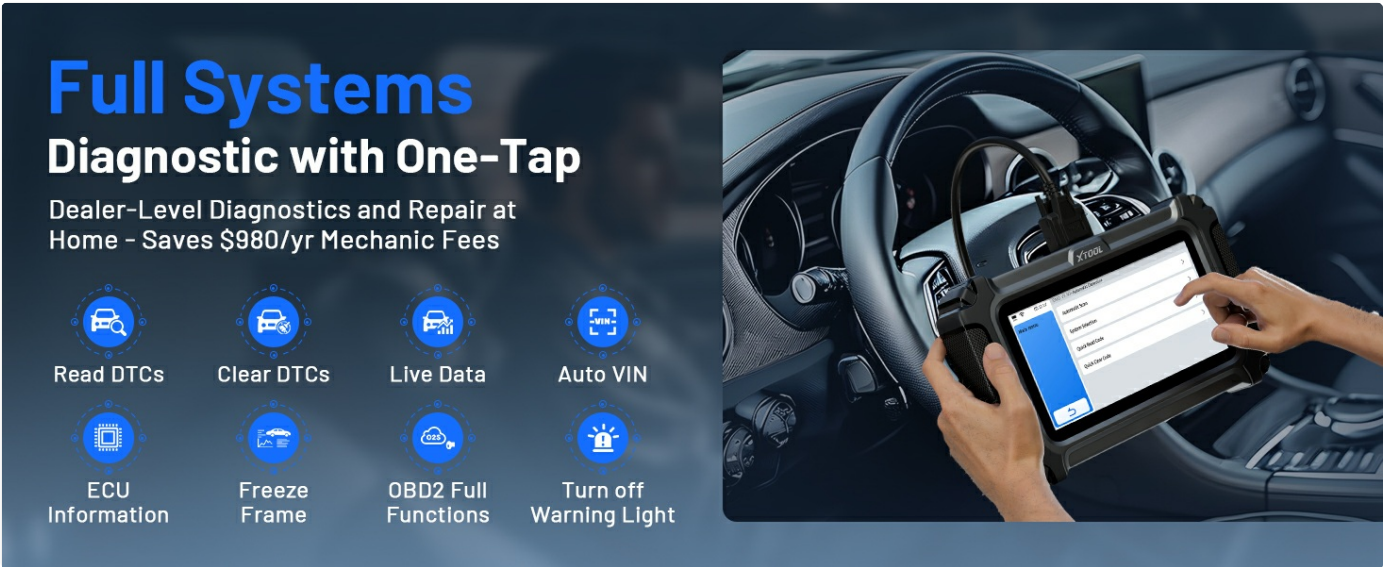


Image: The XTOOL D6S interface displaying options for vehicle management, report management, and the built-in DTC library.

## 7. SPECIFICATIONS

Feature	Detail
Brand	XTOOL
Model	XTOOL D6S Smart Diagnostic System
Item Model Number	D6S
Item Weight	1.76 pounds
Package Dimensions	9.57 x 6.06 x 3.43 inches
Operating System	Linux
UPC	753467393139
Date First Available	August 27, 2024

## 8. WARRANTY AND SUPPORT

## 8.1 Warranty Information

XTOOL provides a 2-year warranty for the D6S OBD2 Scanner Diagnostic Tool. This warranty covers manufacturing defects and ensures reliable performance of the device.

## 8.2 Technical Support

For technical assistance, troubleshooting, or any inquiries regarding your XTOOL D6S, please contact XTOOL's customer support. They are committed to resolving concerns swiftly and provide continued technical support.



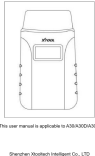
For compatibility checks or language change requests, you can email: [xtoolofficial@hotmail.com](mailto:xtoolofficial@hotmail.com)






Image: A smiling customer support representative, symbolizing XTOOL's commitment to technical support.



### Related Documents - D6S

<div></div>	<p><a href="#">XTOOL D7 Diagnostic Tool User Manual</a></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><a href="#">XTOOL D6S Smart Diagnostic System User Manual</a></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>
<div></div>	<p><a href="#">XTOOL Anyscan Wireless Scan Tool User Manual</a></p> <p>Comprehensive user manual for the XTOOL Anyscan Wireless Scan Tool (models A30, A30D, A30M). Learn about setup, operation, diagnosis, special functions, and troubleshooting for this automotive diagnostic device.</p>

<div><div>XTOOL</div><div>User Manual</div><div>D7 Smart Diagnostic System</div><div></div></div>	<div><div><a href="#">XTOOL D7 Smart Diagnostic System User Manual - Automotive Repair</a></div><div>Explore the XTOOL D7 Smart Diagnostic System with this comprehensive user manual. Learn about its advanced features for full system diagnostics, OBD-II functions, and specialized maintenance resets like ABS, EPB, Oil, TPMS, and more. Includes setup, operation, and troubleshooting guides.</div></div>
<div><div>XTOOL</div><div>D5S Smart Diagnostic System</div><div>USER MANUAL</div><div></div><div>Download</div><div>Updated: 10/12/2024</div></div>	<div><div><a href="#">XTOOL D5S Smart Diagnostic System User Manual</a></div><div>This user manual provides comprehensive guidance on the XTOOL D5S Smart Diagnostic System, covering its features, operation, safety precautions, and troubleshooting for automotive diagnostics.</div></div>
<div><div>XTOOL</div><div>D7 Smart Diagnosis System</div><div>User Manual</div><div></div></div>	<div><div><a href="#">XTOOL D7 Smart Diagnosis System User Manual: Comprehensive Guide to Automotive Diagnostics</a></div><div>User manual for the XTOOL D7 Smart Diagnosis System, an advanced Android-based OBD2 scanner. Covers setup, operation, system diagnostics, and special reset functions for professional and DIY automotive repair.</div></div>