XTOOL XTOOL AD20 Pro

XTOOL AD20 Pro OBD2 Scanner User Manual

Model: XTOOL AD20 Pro | Brand: XTOOL

INTRODUCTION

The XTOOL Advancer AD20 Pro is an advanced wireless OBD2 code reader designed for comprehensive vehicle diagnostics. This device integrates full OBDII tests, all-system scanning, engine light checks, oil reset functions, battery health checks, DTC lookup, performance testing, and trip analysis. It is compatible with most American vehicles (since 1996), European models (since 2000), and Asian cars (since 2008) that are OBDII compliant and use 12 volts. The AD20 Pro supports both oil and hybrid-electric vehicles.

WHAT'S IN THE BOX

- AD20 PRO OBD2 Scanner Unit
- User Manual (Digital)

Image: The XTOOL AD20 Pro OBD2 scanner unit next to a smartphone displaying its diagnostic application.

SETUP

1. **Download the "Advancer AD20Pro" App:** Download the official application from the App Store (for iOS devices) or Google Play (for Android devices). Ensure your device is iOS 11 or above, or Android 4.4 or above with a 64-bit processor.
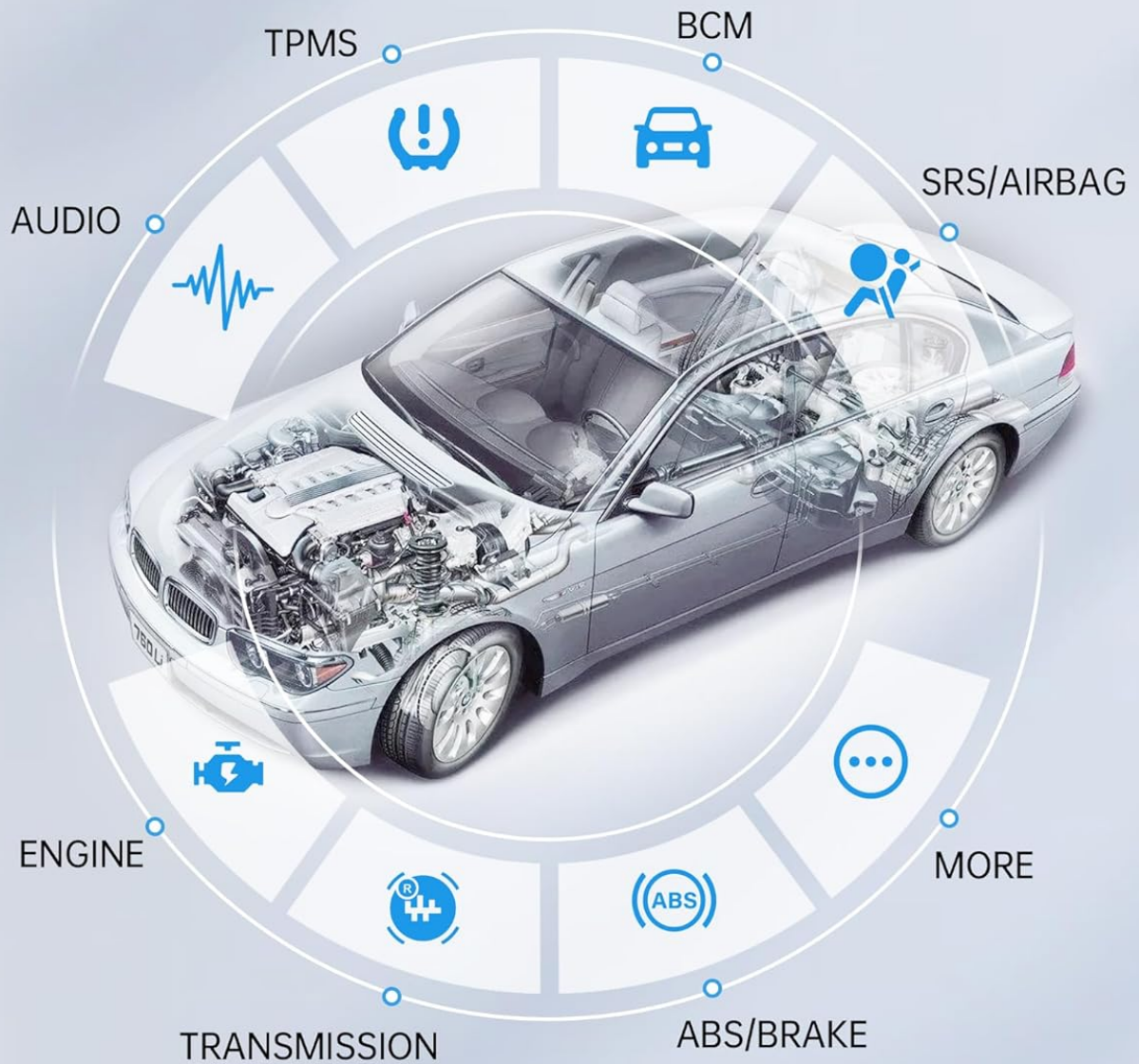
Image: Screenshot of the Advancer AD20Pro app available on app stores.

2. **Grant Permissions:** Follow the in-app prompts to grant necessary location and Bluetooth permissions. These are required for the app to function correctly.

Image: A smartphone displaying a prompt for location and Bluetooth permissions for the Advancer app.

3. **Register/Login:** Enter your account details and a 6-digit password to log in. Ensure no spaces or incorrect letters are used.

Image: A smartphone screen showing the login interface for the Advancer app.

4. **Scan & Pair Device:** Scan the QR code located on your AD20 Pro unit using the app's built-in scanner. This will pair the device with your smartphone.

Unmatched Vehicle Coverage

Support **98%** obd2-compliant vehicles after 1996 and newer

🇺🇸 USA   🔵 Europe   🌐 Asia

After 1966   After 2000   After 2008

XTOOL Advancer

12V light-duty trucks   Diesel cars   Gasoline cars   Minivans

Image: The XTOOL AD20 Pro unit is shown being plugged into a vehicle's OBD2 port located under the dashboard.

5. **Plug into Vehicle:** Insert the AD20 Pro into your vehicle's OBD2 port. Ensure the vehicle key is in the ON position.

6. **Start Engine & Diagnose:** Start the vehicle engine to begin the diagnostic process. The app will automatically detect your vehicle's information and allow you to perform various tests.

Video: Official XTOOL video demonstrating the 5 steps to use the AD20 Pro and start OBD2 diagnosis, including app download, device pairing, and vehicle connection.

OPERATING INSTRUCTIONS

All-System Diagnostic Scan

The AD20 Pro performs comprehensive in-depth checks across all vehicle systems, including Engine, Steering & Brake, Airbag, ABS, and more. It reads and clears manufacturer-specific DTC codes. Note: This function only reads and clears codes; it does not support system resets. Some DTCs may require physical repairs before they can be cleared.

Image: A visual representation of a car highlighting various systems (Engine, Transmission, ABS/Brake, SRS/Airbag, BCM, TPMS, Audio) that the XTOOL AD20 Pro can scan.

Full OBD Test & DTC Lookup

The device simplifies car diagnostics by performing a full range of OBDII tests. The DTC Lookup feature helps identify potential issues by providing detailed descriptions of fault codes and their possible causes. Tests include reading/clearing codes, live data streaming, freeze frame, ECU information, component testing, on-board monitor test (mode $06), O2 sensor test, and I/M readiness status.
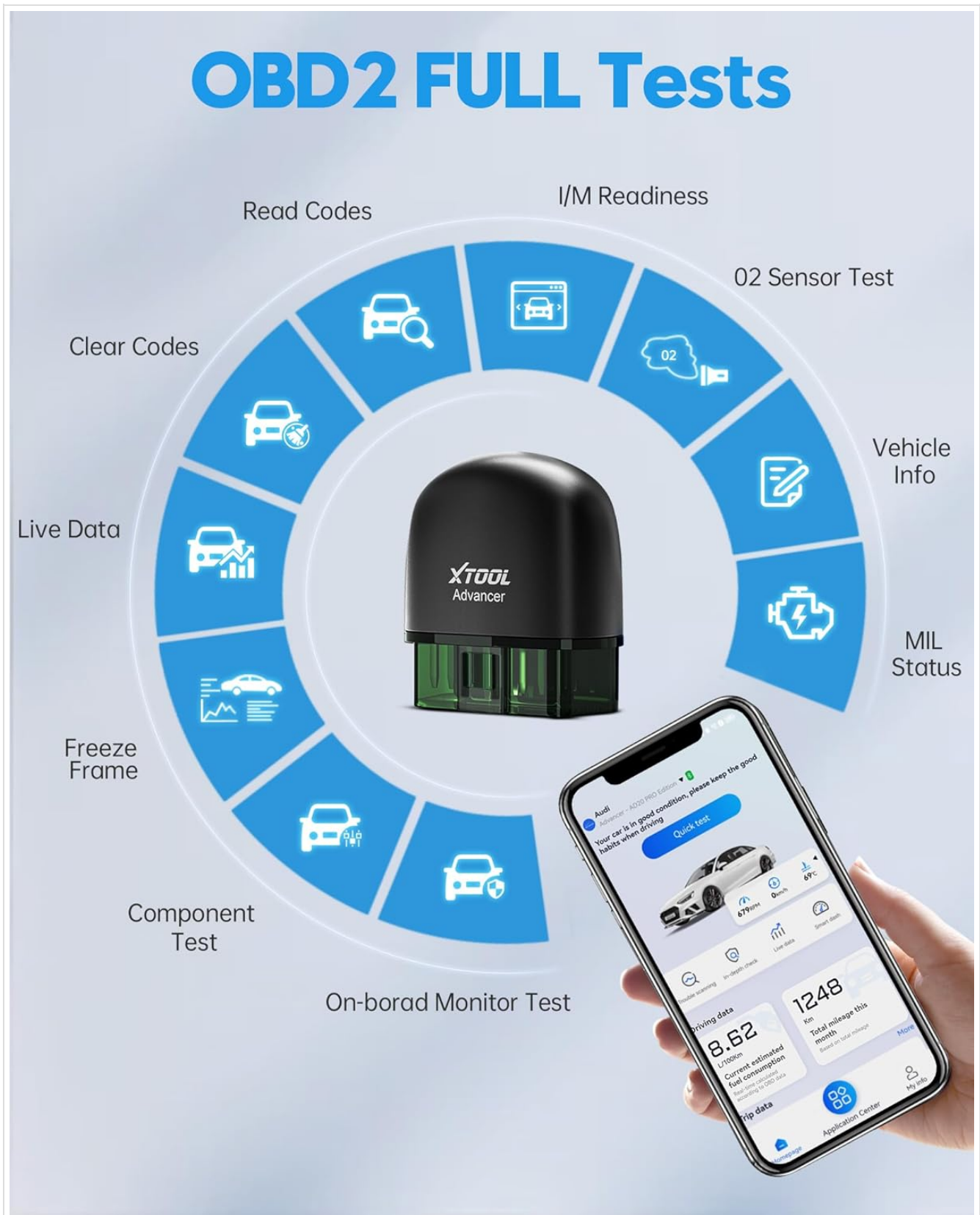

Image: A circular diagram illustrating the 10 full OBD2 tests, including Read Codes, Clear Codes, Live Data, Freeze Frame, Component Test, On-board Monitor Test, O2 Sensor Test, I/M Readiness, Vehicle Info, and MIL Status.

Track Vehicle Performance

Monitor your car's performance with the Performance Test, which measures data like 0-100 km/h acceleration, top speed, engine load, and coolant temperature. The Trip Analysis feature tracks metrics such as top speed, average speed, and fuel

consumption to help optimize driving behavior and improve safety. The Smart Dash feature allows for personalized head-up display of important data.
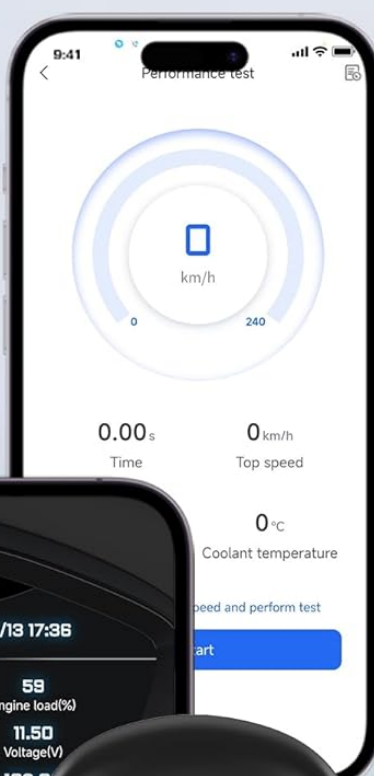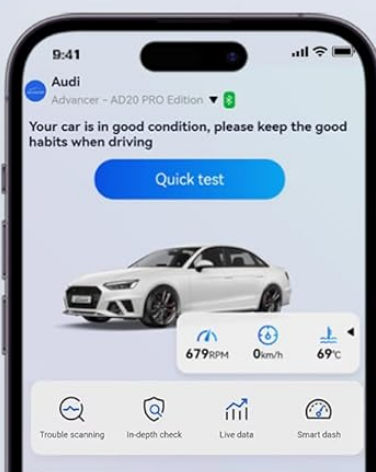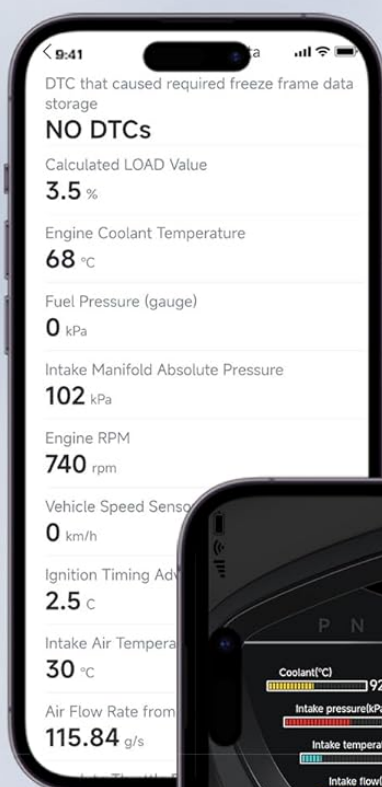

Image: A smartphone displaying real-time driving parameters such as current speed, RPM, coolant temperature, remaining fuel, battery voltage, engine load, intake temperature, throttle position, and intake pressure.

MAINTENANCE

Check Engine Light

The AD20 Pro allows you to quickly read and clear diagnostic trouble codes (DTCs) that trigger the check engine light. It also provides I/M monitor readiness status to help determine if your car is ready for inspection.

Do What You Want To Do
Professional more than just diagnostics

Check Engine Light
Get that inspection sticker without paying thousands to the car repair place

Oil Rest Function
Maintain the oil light at home to ensure a high level care for your vehicle.

Battery Check
Monitor the battery status and have a good battery performace.

Feature depends on vehicle make/ model/ year.
Send VIN to verify compatibility: xtool tools us @ out look . c o m

Image: Visuals depicting the Check Engine Light function, Oil Reset function, and Battery Check function of the device.

Oil Reset Function

Effortlessly maintain your vehicle's oil light at home using the oil reset special function, saving time and money on mechanic visits.

Battery Check

Monitor your car's battery status to ensure good performance and identify potential issues early.

TROUBLESHOOTING

If you encounter issues, first ensure the device is properly plugged into the OBD2 port and your vehicle's ignition is in the ON position. Verify that Bluetooth is enabled on your smartphone and that the Advancer AD20Pro app has the necessary permissions (location, Bluetooth). For specific Diagnostic Trouble Codes (DTCs), use the in-app DTC Lookup feature for detailed explanations and potential solutions. If codes persist after clearing, further inspection by a qualified mechanic may be required.

For connectivity issues, ensure your smartphone's operating system meets the minimum requirements (iOS 11+ or Android 4.4+ 64-bit). If the app fails to connect, try restarting the app or your phone. The device is not compatible with third-party software.

SPECIFICATIONS

Item	Specification
Brand	XTOOL
Model	XTOOL AD20 Pro
Power Source	Corded Electric
Operating System	Android & iOS
Automotive Fit Type	Universal Fit
Item Weight	1.44 ounces
Package Dimensions	4.13 x 2.8 x 1.06 inches
Country of Origin	China
UPC	758283011670

WARRANTY AND SUPPORT

XTOOL provides lifetime free updates for the AD20 Pro, ensuring compatibility with new vehicle models and diagnostic codes. For technical support or warranty inquiries, please refer to the contact information provided in your product packaging or visit the official XTOOL website.

The product includes a 30-day return and replacement policy. 24/7 technical support is available. For specific inquiries, you may contact XTOOL Tools via email at xtooltoolsus@outlook.com.

Related Documents - XTOOL AD20 Pro

[XTOOL AD20 Pro OBD2 Scanner Common Issues and Answers](#)
A comprehensive guide addressing common issues and providing answers for the XTOOL AD20 and AD20 Pro OBD2 car diagnostic tools. Covers setup, connectivity, troubleshooting, and feature explanations.

[XTOOL Advancer AD20/AD20 Pro Smart OBD II Dongle User Guide](#)
Comprehensive guide to the XTOOL Advancer Smart OBD II Dongle (AD20/AD20 Pro). Learn about its features, functions, specifications, and how to use it for vehicle health checks, diagnostics, live data monitoring, maintenance resets, and driving habit analysis.

[XTOOL Advancer Smart OBDDongle: Your Guide to Advanced Vehicle Diagnostics](#)
Learn about the XTOOL Advancer AD20 and AD20 Pro smart OBD dongles. This guide covers product features, specifications, how to use, and FAQs for enhanced vehicle health checks and driving analysis.

[XTOOL D7W Smart Diagnostic System User Manual](#)
Comprehensive user manual for the XTOOL D7W Smart Diagnostic System, detailing its features, operation, diagnostic functions, special maintenance functions, reporting, updates, warranty, and remote assistance.

[XTOOL D7 Smart Diagnostic System User Manual - Automotive Repair](#)
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.

XTOOL D7 Smart Diagnosis System User Manual: Features and Operation Guide

Comprehensive user manual for the XTOOL D7 Smart Diagnosis System. Learn about its advanced vehicle diagnostic capabilities, extensive special functions for maintenance and resets, and how to effectively use the device for automotive repair.