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XTOOL A30M

XTOOL A30M Wireless OBD2 Scanner User Manual

Model: A30M

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1. INTRODUCTION

The XTOOL A30M Wireless OBD2 Scanner is a versatile diagnostic tool designed for both professional technicians and DIY enthusiasts. It offers comprehensive vehicle diagnostics, active tests, and various reset functions, all accessible wirelessly via your smartphone (Android & iPhone).



Figure 1.1: The XTOOL A30M wireless OBD2 scanner unit shown alongside its included OBDII extension cable.

Key features include:

- **Lifetime Free Software Updates:** Enjoy continuous access to the latest diagnostic and service functions without recurring fees.
- **Full Bidirectional Control/Active Tests:** Perform active tests on various vehicle components to quickly identify faults.
- **23 Reset Functions:** Essential maintenance functions such as Oil Reset, EPB Reset, SAS, ABS Brake Bleeding, Throttle Relearn, and Injector Coding.
- **Full System Diagnostics:** Scan all available vehicle systems including Engine, Transmission, ABS, SRS, AC, and more.
- **Live Data Streams Graphing:** Monitor up to 8 live data streams simultaneously for detailed analysis.
- **Stable Wireless Connectivity:** Diagnose vehicles wirelessly up to 33 feet away using Bluetooth.
- **Extensive Compatibility:** Supports over 85 American, European, and Asian car makes from 1996 onwards.



Figure 1.2: The XTOOL A30M scanner and its retail packaging, highlighting key features like bidirectional control, full diagnostics, 21 hot services, and free updates.

2. PACKAGE CONTENTS

Please check the package contents carefully upon unboxing. If any items are missing or damaged, contact XTOOL customer support immediately.

- XTOOL A30M Wireless OBD2 Scanner Unit
- OBDII Extension Cable (1.64ft / 50cm)
- User Manual (this document)



Figure 2.1: The included 16-pin male to female OBDII extension cable, designed for universal compatibility with standard OBDII devices.

1.64ft / 50cm Extension Cable



Figure 2.2: Diagram illustrating the 1.64ft (50cm) length of the OBDII extension cable.

16-Pin Male to Female Interface

Universal Extension Cord for Standard OBDII Devices



Figure 2.3: Close-up view of the 16-pin male and female connectors on the OBDII extension cable.

3. SETUP GUIDE

Follow these steps to set up your XTOOL A30M scanner for first-time use:

1. **Download the App:** Search for the "XTOOL" app on the Apple App Store (for iPhone) or Google Play Store (for Android). Download and install the application on your smartphone.
2. **Connect the Scanner to Vehicle:**
 - Locate your vehicle's OBDII port. This is typically found under the dashboard on the driver's side.
 - Plug the XTOOL A30M scanner unit directly into the OBDII port. If the port is difficult to access, use the provided OBDII extension cable.
 - Once connected, the scanner unit will power on, indicated by its display.
3. **Pair with Your Smartphone:**
 - Turn on your smartphone's Bluetooth.

- Open the XTOOL application.
- The app will guide you through the pairing process. Select the XTOOL A30M device from the list of available Bluetooth devices.
- Once paired, the app will establish a connection with the scanner.

4. Vehicle Information & Updates:

- The app may prompt you to download vehicle-specific software or updates. Ensure you have a stable internet connection for this step.
- Input your vehicle's information (make, model, year, VIN) as prompted by the app to ensure accurate diagnostics.

Note: Ensure your vehicle's ignition is in the "ON" position (engine off) or the engine is running, depending on the diagnostic function you intend to perform.

4. OPERATING INSTRUCTIONS

The XTOOL A30M provides a comprehensive suite of diagnostic and service functions. Navigate through the XTOOL app on your smartphone to access these features.

4.1 Full System Diagnostics

This function allows you to scan all available electronic control units (ECUs) in your vehicle for diagnostic trouble codes (DTCs) and view live data.

- **Read Codes:** Retrieve current, pending, and historic DTCs from various systems (Engine, Transmission, ABS, SRS, HVAC, etc.).
- **Clear Codes:** Erase DTCs from the vehicle's memory after repairs have been made.
- **Live Data:** View real-time parameters from vehicle sensors and components. The A30M supports graphing up to 8 live data streams simultaneously for easier analysis of trends and anomalies.
- **ECU Information:** Retrieve vehicle information such as VIN, calibration IDs, and calibration verification numbers.
- **Freeze Frame:** View a snapshot of vehicle operating conditions at the time a fault code was set.
- **Auto VIN:** Automatically identify vehicle information for quick setup.



Figure 4.1: An illustration depicting the comprehensive dealer-level full system diagnostic capabilities of the XTOOL A30M, covering systems like Engine, Transmission, ABS, SRS, and more.

4.2 Bidirectional Control / Active Tests

Bidirectional control allows the scanner to send commands to vehicle ECUs to perform specific tests and functions, helping to pinpoint faulty components without disassembly.

- Activate components like fuel pumps, injectors, A/C clutch, windows, sunroofs, and more.
- Test the functionality of various actuators and solenoids.
- This feature significantly reduces diagnostic time for complex issues.

Bi-directional OBD2 Scanner

Run active tests on a wide range of modules to quickly locate the faulty parts

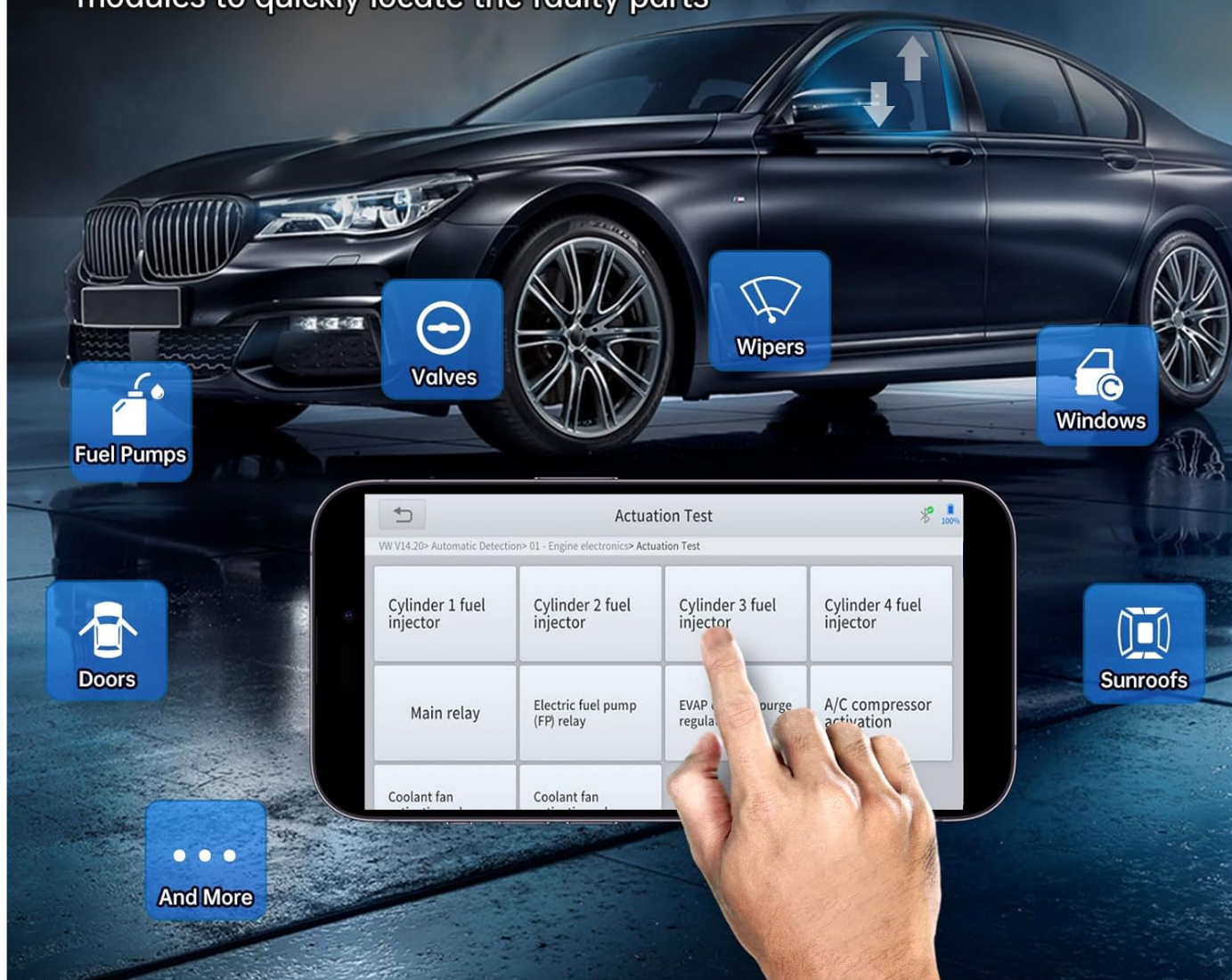


Figure 4.2: Visual representation of the bidirectional control capabilities, showing the ability to run active tests on components such as fuel pumps, valves, wipers, windows, doors, and sunroofs.

4.3 Reset Functions (23+ Services)

The A30M offers a wide range of service functions to assist with routine maintenance and repairs. Note that specific services may not be available for all vehicle models.

- **Oil Reset:** Reset the oil life reminder after an oil change.
- **EPB Reset:** Reset the electronic parking brake after brake pad replacement.
- **SAS Adjustment:** Calibrate the steering angle sensor.
- **ABS Bleeding:** Perform ABS brake bleeding procedures.
- **Throttle Relearn:** Relearn the throttle body position.
- **Injector Coding:** Code new injector numbers to the ECU.
- **TPMS Reset:** Reset tire pressure monitoring system.
- **Suspension:** Adjust or reset suspension parameters.

- **Gear Learning:** Perform crankshaft position sensor adaptive learning.
- **Headlight Adjustment:** Adjust headlight settings.
- **Window Initialization:** Initialize power windows.
- **Seat Calibration:** Calibrate seat memory functions.
- **Electronic Pump Activation:** Activate electronic fuel pump.
- **Transport Mode:** Deactivate transport mode.
- **Tire Upgrade:** Configure tire size changes.
- **Airbag Repair:** Clear airbag crash data.
- **D-P-F Regen:** Diesel Particulate Filter regeneration.
- **BMS Reset:** Battery Management System reset.
- And many more.

21 Reset Functions

Keep up with cars' maintenance and avoid hundreds of dollars coming from blind repairs.



Oil Reset



ABS Bleeding



Throttle Relearn



Injector Coding



EPB



BMS



D-P-F Regen



SAS Adjustment

- ▣ Power Balance
- ▣ TPMS Reset
- ▣ Suspension
- ▣ Gear Learning
- ▣ Gearbox Match
- ▣ Headlight Adjustment
- ▣ Window Initialization
- ▣ Seat Calibration
- ▣ Electronic Pump Activation
- ▣ Transport Mode
- ▣ Tire Upgrade
- ▣ Airbag Repair
- ▣ Instrument Cluster

Figure 4.3: A visual guide to some of the 21+ reset functions offered by the XTOOL A30M, including Oil Reset, ABS Bleeding, Throttle Relearn, Injector Coding, EPB, BMS, D-P-F Regen, and SAS Adjustment.

5. MAINTENANCE

To ensure the longevity and optimal performance of your XTOOL A30M scanner, follow these maintenance guidelines:

- **Software Updates:** The A30M comes with lifetime free software updates. Regularly check for and install updates via the XTOOL app to ensure compatibility with new vehicle models and access to the latest features and bug fixes. A stable internet connection is required for updates.
- **Cleaning:** Clean the scanner unit and cable with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the OBDII extension cable excessively. Always grasp the connector ends when plugging or unplugging to prevent damage to the pins.

6. TROUBLESHOOTING

If you encounter issues while using your XTOOL A30M scanner, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scanner does not power on.	Not properly connected to OBDII port; Vehicle ignition off; Blown fuse in vehicle's OBDII circuit.	Ensure the scanner is firmly plugged into the OBDII port. Turn the vehicle ignition to the "ON" position. Check the vehicle's fuse box for a blown fuse related to the OBDII port.
Cannot connect via Bluetooth.	Bluetooth not enabled on smartphone; Scanner not in pairing mode; Interference; App issue.	Ensure Bluetooth is enabled on your smartphone. Restart the XTOOL app and try pairing again. Move closer to the vehicle/scanner. Restart both the scanner (by unplugging/replugging) and your smartphone.
App displays "No Communication".	Incorrect vehicle protocol; Loose connection; Vehicle not OBDII compliant; Damaged cable/scanner.	Verify your vehicle is OBDII compliant (1996 and newer for most regions). Ensure all connections are secure. Try a different OBDII port if available (e.g., if using an adapter). Contact support if the issue persists.
Specific function/reset not working.	Function not supported by vehicle; Software not updated; Incorrect procedure.	Not all functions are universally compatible with all vehicles. Ensure your app software is up to date. Refer to the app's specific instructions for the function.

If you continue to experience problems, please contact XTOOL customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model	A30M
Connectivity	Wireless (Bluetooth)
Operating System Compatibility	Android, iOS (iPhone)
Vehicle Coverage	85+ American, European, and Asian car makes (1996 onwards)

Feature	Detail
Software Updates	Lifetime Free Updates
Diagnostic Functions	Full System Diagnostics, Read/Clear DTCs, Live Data (8 streams), ECU Info, Freeze Frame, Auto VIN
Special Functions	Full Bidirectional Control/Active Tests, 23+ Reset Functions (Oil, EPB, SAS, ABS Bleeding, Throttle Relearn, Injector Coding, etc.)
Extension Cable Length	1.64 ft / 50 cm
Power Source	Vehicle OBDII Port
Date First Available	November 8, 2024

Compared to Most of Wireless BT OBD2 Scanner		
 A30M	 A30M	Others
<input type="checkbox"/> Special Functions	21	0-13
<input type="checkbox"/> Full Diagnostics	Full	4/Full
<input type="checkbox"/> Active Tests (Bidirectional)	✓	✗
<input type="checkbox"/> Battery Tests	✓	✗
<input type="checkbox"/> BT EDR	✓	✗
<input type="checkbox"/> Update Fee / Year	FREE	\$49.9-\$69.9/ Car Subscription
<input type="checkbox"/> Specific Vehicle Subscription / Year	FREE	Extra \$49.9-\$69.9/ Car Subscription
<input type="checkbox"/> Total Cost for 3 Years of Subscription	FREE	\$219.9-\$329.6/Car

Figure 7.1: A comparison table highlighting the superior features of the XTOOL A30M, including 21 special functions, full diagnostics, active tests, battery tests, BT EDR, and free lifetime updates, compared to other wireless OBD2 scanners.

8. WARRANTY & SUPPORT

8.1 Warranty Information

XTOOL products typically come with a limited warranty covering manufacturing defects. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official XTOOL website. Keep your purchase receipt as proof of purchase for warranty claims.

8.2 Customer Support


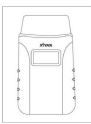


For technical assistance, troubleshooting, or warranty inquiries, please contact XTOOL customer support through the following channels:




- **Official Website:** Visit the XTOOL official website for FAQs, software downloads, and support contact information.
- **In-App Support:** Many XTOOL applications include a direct support or feedback option within the app itself.
- **Email Support:** Refer to the product packaging or official website for the customer support email address.

When contacting support, please have your product model (A30M) and purchase details ready to expedite the process.

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Related Documents - A30M

<div> USER MANUAL Anyscan Wireless Scan Tool  <small>This user manual is applicable to A30/A30D/A30M Shenzhen Xositech Technology Co., Ltd.</small></div>	<p>XTOOL Anyscan Wireless Scan Tool User Manual</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> AD10 User Manual  1. Appearance AD10 is a compact, handheld diagnostic tool with a color LCD screen and a built-in printer. It is designed for easy use and portability. 2. Basic Parameters Model: AD10 Dimensions: 110mm x 60mm x 30mm Weight: 150g Power: 5V/1A Storage: 128MB Language: English, Chinese, Spanish, French, German, Italian, Portuguese, Russian, Japanese, Korean, Vietnamese, Thai, Indonesian, Malay, Hebrew, Arabic, Persian, Turkish, Greek, Polish, Czech, Slovak, Hungarian, Romanian, Bulgarian, Croatian, Serbian, Slovenian, Macedonian, Albanian, Montenegro, Bosnia and Herzegovina, Serbia, Kosovo, North Macedonia, Bulgaria, Greece, Cyprus, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, United Arab Emirates, Bahrain, Brunei, Cambodia, Laos, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam, Hong Kong, Macao, and others. 3. Product Functions • Vehicle Diagnosis • Performance Testing • DIY Mode • Data Logging</div>	<p>XTOOL AD10 OBD2 Diagnostic Tool User Manual</p> <p>User manual for the XTOOL AD10 OBD2 diagnostic scanner. Learn about its appearance, basic parameters, functions like vehicle diagnosis, performance testing, and DIY mode, and how to download and use the software.</p>
<div><p>Common Issues and Answers for AD20 & AD20 Pro</p><p>1. How to use the device? Step 1: Download the "Education AD20" or "AD20" files for AD20 users or "Training Pro" file for AD20 Pro users, and follow the steps to turn on the location permissions and Bluetooth permissions required by the AD20/AD20 Pro. Note: Double permissions: Go to Settings > Privacy & Security > Bluetooth/Location (For mobile phones only). Step 2: Enter your email address and a valid password. Note: Please make sure that the email address/password is correct (for space or special characters including other cases). Step 3: Upload the device to your PC and use the AD20/AD20 Pro. Step 4: Plug AD20 into your vehicle's OBD2 port and pair the AD20 and your vehicle. Note: Please make sure that the ignition switch is in "ON" position. Step 5: Start the vehicle engine and the diagnosis. 2. If a pop-up box to read codes when I start the password. Please make sure the AD20 has access to the network. 3. Bluetooth connection issue. Please check the following cases to solve the issue.</p></div>	<p>XTOOL AD20 Pro OBD2 Scanner Common Issues and Answers</p> <p>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.</p>

<div><p>Anyscan A30M User Manual</p><p>Safety Information</p><p>Read this manual carefully before using the device. It contains important information about the correct use of the device and the safety precautions that must be followed. Failure to follow these instructions may result in injury or damage to the device.</p><p>Read this manual carefully before using the device. It contains important information about the correct use of the device and the safety precautions that must be followed. Failure to follow these instructions may result in injury or damage to the device.</p></div>	<p>Anyscan A30M User Manual - XTOOL Automotive Diagnostic Tool</p> <p>Comprehensive user manual for the XTOOL Anyscan A30M, detailing its features, operation, safety guidelines, and diagnostic functions for automotive repair.</p>
<div><p>XTOOL</p><p>D7 Smart Diagnosis System User Manual</p></div>	<p>XTOOL D7 Smart Diagnosis System User Manual</p> <p>Explore the XTOOL D7 Smart Diagnosis System with this comprehensive user manual. Learn about its advanced Android-based features for automotive diagnostics, including complete system scans, OBD2 functions, and specialized resets like Oil Reset, EPB, SAS, and more. Essential guide for efficient vehicle maintenance and troubleshooting.</p>
<div><p>Anyscan A30 User Manual</p><p>Safety Information</p><p>Read this manual carefully before using the device. It contains important information about the correct use of the device and the safety precautions that must be followed. Failure to follow these instructions may result in injury or damage to the device.</p><p>Read this manual carefully before using the device. It contains important information about the correct use of the device and the safety precautions that must be followed. Failure to follow these instructions may result in injury or damage to the device.</p></div>	<p>Anyscan A30 User Manual: Automotive Diagnostic Tool Guide</p> <p>Comprehensive user manual for the XTOOL Anyscan A30, an automotive diagnostic tool. Learn about safety, setup, app usage, diagnosis, services, settings, and updates for your vehicle.</p>