

XTOOL XTOOL TP150

XTOOL TP150 TPMS Programming Tool - Instruction Manual

Model: XTOOL TP150 | Brand: XTOOL

1. INTRODUCTION AND OVERVIEW

The XTOOL TP150 is a comprehensive Tire Pressure Monitoring System (TPMS) service tool designed for efficient monitoring and repair of TPMS systems. This device allows users to check tire pressure, temperature, and battery life, read sensor IDs, read and clear Diagnostic Trouble Codes (DTCs), reset TPMS warning lights, and perform activation, programming, and relearn functions for TPMS sensors. It is specifically designed to program XTOOL TS100 sensors (315/433MHz) and is compatible with a wide array of domestic and foreign vehicle makes and models.

2. SETUP AND INITIAL USE

Before using your XTOOL TP150, ensure it is adequately charged. The device comes with a unit charger and various adapters (US, UK, EU) for convenience. Connect the appropriate adapter to the charger and plug it into the device. The TP150 features a user-friendly interface with straightforward navigation via physical buttons, as it does not have a touch screen.



Figure 2.1: XTOOL TP150 main screen displaying tire pressure information.



Figure 2.2: Power adapters and cables included with the XTOOL TP150 for charging and connectivity.

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Video 2.1: An overview of the XTOOL TP150 TPMS programming tool, demonstrating its interface and basic functions. This video highlights the device's capabilities for programming TS100 sensors.

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Video 2.2: A demonstration of the XTOOL TP150 TPMS Tool, showcasing its features and how it can assist in TPMS maintenance. This video emphasizes the cost-saving benefits of using the tool.

3. OPERATING THE TP150

3.1. Activating/Triggering Sensors

The TP150 can activate all OEM and universal TPMS sensors. This function is crucial for initiating the relearn process and monitoring the current status of sensors, ensuring they are properly connected and functioning. To activate, select the "TPMS" option on the main menu, then choose your vehicle model, and select "trigger sensor".



Figure 3.1: Activating a TPMS sensor by holding the TP150 near the tire valve and pressing the activation button.

3.2. Programming XTOOL TS100 Sensors

The TP150's programming function is exclusively for XTOOL TS100 sensors. These dual-frequency sensors (315/433MHz) cover 99% of vehicle makes and models. There are four programming modes:

1. **Automatically ID Generation:** The device generates a new sensor ID.
2. **Entry ID Manually:** Users can input a sensor ID manually.
3. **Copy ID via Activation:** Copies the ID from an activated sensor.
4. **Copy ID via OBD:** Copies the ID from the vehicle's OBD system.

To program, navigate to "TPMS" > "Select Vehicle" > "programming sensors". Ensure the TS100 sensor is within 25 cm of the device.

Step 1: XTOOL TPMS Sensor Programming

Go "TPMS"-Select Vehicle-Click "programming sensors".

🔔 Note: Get XTOOL TS100 to finish it! Other programmed sensors does not require this step! 🔔

Acquiring sensor's information...

Attention: Before programming, take the sensor which is waiting for programming, next to the programming device within 25 cm.

Method 1: Auto ID Generation

Please input the sensor's ID (8 bits)

0	1	2	3	4	5
6	7	8	9	A	B

Method 2: Manual Input ID

Tire pressure sensor information

Tire	ID(HEX)	P(kPa)	T(°C)	B(v)
LF	57680987	230	24	3.0
RF	57680917	0	24	2.8
FR	57680387	300	24	2.3
RR	57680917	0	24	2.2

Method 3: Copy ID by Activation

Unprogrammed TPMS sensor ID

Tire	ID(HEX)	Select
LF	57680987	✓
RF	57680917	✓
LR	57680387	✓
RR	57680907	✓

Method 4: Copy ID by OBD

Figure 3.2: The four programming methods available on the XTOOL TP150 for TS100 sensors.

3.3. TPMS Relearn Procedures

The TP150 supports various relearn modes for both OEM and universal sensors after tire replacement or rotation. Some vehicles may automatically relearn after driving for 20 minutes. Refer to your vehicle's maintenance manual for specific requirements.

- **Automatic Relearn:** Drive the vehicle at ≥ 25 km/h (15 mph) for 20 minutes with all tires at standard pressure.
- **OBD Relearn:** Connect the tool to the OBD port and select "OBD relearn" to write sensor IDs into the system.
- **Stationary Relearn:** Follow on-screen instructions for a stationary relearn process.
- **Copy Sensors:** If sensor IDs are unchangeable, ensure they match the originals. Use the "Programming" menu on XTOOL TS100 sensors to copy IDs if needed.

Step 3: Tire Pressure Sensor Relearn

Check "OEM Sensor Information"-Get the "learning type"-Go "learning step".



Figure 3.3: Various TPMS relearn procedures supported by the XTOOL TP150.

3.4. TPMS Diagnosis and DTC Clearing

The TP150 can quickly diagnose TPMS-related problems, check pressure, temperature, and battery health, and identify faulty sensors. It can also read and clear DTCs (Diagnostic Trouble Codes) and reset the TPMS warning light.

To perform a diagnosis, go to "TPMS" > "Tire Pressure Diagnosis" > "Read & Clear Codes".

Free Online Update: Lifetime free update



24/7 Tech Service:

xtooldirect@outlook.com



Figure 3.4: TPMS diagnosis interface on the XTOOL TP150, showing options to read/clear codes and turn off warning lights.

4. MAINTENANCE

Keep your TP150 up-to-date with a single click for optimal performance. The device supports free lifetime software updates via Wi-Fi. To update, navigate to "Options" > "Wi-Fi connection" and sign in, then select "Upgrade" > "Wi-Fi Upgrade". Ensure the device is charging during the update process.

5. TROUBLESHOOTING

If you encounter any issues with activation, programming, or relearn procedures, ensure the device is fully charged and connected properly. For specific error codes or persistent issues, it is recommended to contact XTOOL technical support.




6. SPECIFICATIONS






- **Manufacturer:** XTOOL
- **Model:** XTOOL TP150
- **Item Weight:** 2.23 pounds
- **Package Dimensions:** 11.46 x 7.6 x 3.74 inches
- **Batteries:** 1 Lithium Polymer battery required
- **Operating System:** Linux
- **UPC:** 789605297168
- **First Available:** August 5, 2021

7. WARRANTY AND SUPPORT

The XTOOL TP150 comes with a 2-year warranty. For technical assistance, training, remote support, or any value-added services, please contact XTOOL Official support. You can reach them via email at xtooldirect@outlook.com. XTOOL has a professional technical team dedicated to providing comprehensive customer support.

Related Documents - XTOOL TP150

 <p>User Manual TP-series TPMS Diagnostic Tool</p> <p>Version 1.0 Release Date: 2021/07</p> <p>Shenzhen XTOOL Technology Co., Ltd.</p>	<p>XTOOL TP-series TPMS Diagnostic Tool User Manual</p> <p>Comprehensive user manual for the XTOOL TP-series TPMS Diagnostic Tool (TP150/TP200), covering operation, functions, settings, updates, and warranty. Learn how to check, diagnose, program, and relearn TPMS sensors.</p>
 <p>TP150 Tire Pressure Diagnosis Tool Operation Manual</p> <p>Efficient Smart Portable Please read this manual carefully before use</p>	<p>TP150 Tire Pressure Diagnosis Tool Operation Manual Xtool</p> <p>Comprehensive operation manual for the Xtool TP150 Tire Pressure Diagnosis Tool, covering product overview, functions, sensor programming, system diagnosis, and settings for professional vehicle maintenance.</p>
 <p>D7 DIAGNOSTIC TOOL USER MANUAL</p> <p>Version 1.0 Shenzhen XTOOL Technology Co., Ltd.</p>	<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>

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<div data-bbox="132 510 161 524"></div> <div data-bbox="148 575 277 591"><p>X-Series Service Tool</p></div> <div data-bbox="165 710 260 725"><p>User Manual</p></div>	<div data-bbox="339 557 1131 584">XTOOL X-Series Service Tool User Manual for X300P and X100Pro2</div> <div data-bbox="339 598 1436 705"><p>User manual for XTOOL X-Series Service Tools, including the X300P and X100Pro2. This guide provides detailed information on product overview, appearance, technical specifications, usage instructions, system settings, and software upgrading procedures via WiFi and USB.</p></div>
<div data-bbox="127 831 177 846"></div> <div data-bbox="138 873 287 900"><p>D8 Smart Diagnosis System User Manual</p></div> <div data-bbox="137 907 288 1005"></div> <div data-bbox="165 1052 260 1061"><p>Shenzhen Xtootech Intelligent Co., Ltd</p></div>	<div data-bbox="339 911 911 940">XTOOL D8 Smart Diagnosis System User Manual</div> <div data-bbox="339 952 1423 1059"><p>Comprehensive user manual for the XTOOL D8 Smart Diagnosis System, detailing its features, operation, diagnostic functions, special resets, and settings for automotive professionals and enthusiasts.</p></div>