FOXWELL T2000 Pro, NT630 Plus

FOXWELL T2000 Pro TPMS Relearn Tool & NT630 Plus OBD2 Scanner User Manual

Model: T2000 Pro, NT630 Plus
Brand: FOXWELL

1. Introduction and Overview

This manual provides detailed instructions for the FOXWELL T2000 Pro TPMS Relearn Tool and the FOXWELL NT630 Plus OBD2 Scanner. This powerful bundle offers comprehensive diagnostic and maintenance capabilities for your vehicle's Tire Pressure Monitoring System (TPMS), Anti-lock Braking System (ABS), Supplemental Restraint System (SRS/Airbag), and full OBD-II functions.

The T2000 Pro is designed for efficient TPMS sensor activation, relearn procedures, and diagnostics, ensuring proper tire pressure monitoring. The NT630 Plus extends diagnostic capabilities to critical ABS and SRS systems, including advanced functions like ABS auto bleed and various reset services, providing a complete and precise vehicle diagnosis.

Figure 1.1: FOXWELL T2000 Pro and NT630 Plus devices.

Figure 1.2: Key features of the T2000 Pro TPMS tool.

2. Setup

2.1 Unboxing and Initial Inspection

Carefully unpack all components from the packaging. Verify that all items listed in the product's packing list are present and undamaged. If any items are missing or damaged, contact customer support immediately.

2.2 Powering On the Device

The devices are typically powered via the vehicle's OBD-II port. Connect the diagnostic cable to the device and then to the vehicle's 16-pin OBD-II port, usually located under the dashboard on the driver's side. The device will power on automatically once connected.

2.3 Software Updates

It is recommended to regularly update the device software to ensure optimal performance and compatibility with the latest vehicle models and diagnostic protocols. Refer to the FOXWELL official website for detailed instructions on downloading and installing software updates. Both devices offer lifetime free updates.

3. Operating Instructions

3.1 TPMS Functions (T2000 Pro)

3.1.1 TPMS Sensor Activation

The T2000 Pro can activate 315MHz and 433MHz TPMS sensors. This process is necessary to wake up new or sleeping sensors before relearning. Follow the on-screen prompts to trigger the sensor. The tool will display sensor ID, frequency, position, tire pressure, tire temperature, and battery power.

Figure 3.1: Activating TPMS sensors using the T2000 Pro.

3.1.2 TPMS Sensor Relearn

After replacing a TPMS sensor or rotating tires, the vehicle's ECU needs to learn the new sensor IDs. The T2000 Pro supports multiple relearn methods:

- **Stationary Relearn:** Requires the vehicle to be in a specific mode (e.g., parking brake engaged).
- **OBD Relearn:** Directly writes sensor IDs to the vehicle's ECU via the OBD-II port.
- **Automatic Relearn:** The vehicle learns new sensor IDs by driving under specific conditions.
- **Clone Sensor:** Copies existing sensor IDs to new programmable sensors.

The appropriate relearn method varies by vehicle make and model. Consult your vehicle's service manual or the T2000 Pro's on-screen instructions for the correct procedure.

Figure 3.2: Various TPMS sensor relearn methods.

3.1.3 Complete TPMS Diagnostics

The T2000 Pro allows for comprehensive monitoring of your tires. It can read sensor data within 30 seconds, read and erase TPMS Diagnostic Trouble Codes (DTCs), provide on-screen DTC descriptions, check ID matching, and turn off the TPMS warning light.

Figure 3.3: TPMS diagnostic capabilities of the T2000 Pro.

3.2 Diagnostic Functions (NT630 Plus)

The NT630 Plus provides in-depth diagnostics for three core systems: ABS, SRS, and OBD-II.

Figure 3.4: The three main diagnostic systems supported.

3.2.1 ABS System Diagnostics

The NT630 Plus offers comprehensive coverage of ABS data, including FR/FL wheel speed, ABS static test, ABS system calibration, and ABS initialization. It supports reading and clearing codes, real-time data display, and active tests for the ABS system. The tool also features bidirectional control for precise testing and locating faulty parts.

3.2.2 SRS/Airbag System Diagnostics

Diagnose the Supplemental Restraint System (SRS) to ensure airbag functionality. The NT630 Plus can read and clear SRS fault codes, view live data, and perform active tests to diagnose issues such as SRS faults location and damaged clock spring checks.

3.2.3 Full OBD-II Functions

Access standard OBD-II functions for engine and emission-related diagnostics. This includes reading and clearing generic and manufacturer-specific DTCs, viewing live data streams, I/M readiness status, freeze frame data, and O2 sensor tests. The tool also supports Auto VIN for quick vehicle identification.

Figure 3.5: Detailed diagnostic functions for ABS and SRS/Airbag systems.

3.3 Special Functions (NT630 Plus)

3.3.1 Professional ABS Auto Bleed

The NT630 Plus assists in resolving soft brake pedal issues by monitoring the ABS for air and performing automatic bleeding procedures. This function helps restore firm and precise braking. Note that some vehicles may only support manual bleeding, making this feature unavailable.

Figure 3.6: The process and benefits of ABS Auto Bleed.

3.3.2 Hot Reset Functions

The NT630 Plus supports several hot reset functions:

- **SAS Calibration:** Steering Angle Sensor calibration.
- **Oil/Service Light Reset:** Resets the oil service light after an oil change.
- **EPB Reset:** Electronic Parking Brake reset, necessary when replacing brake pads.

Coverage for these functions may vary depending on the specific car conditions and model.

Figure 3.7: Overview of hot reset functions.

4. MAINTENANCE

4.1 Cleaning the Device

Regularly clean the device's screen and casing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the plastic or screen.

4.2 Storage

Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original case or a protective pouch to prevent physical damage.

4.3 Software Updates

As mentioned in the setup section, ensure your device's software is always up-to-date. This ensures compatibility with the latest vehicle models and access to new features or bug fixes. Visit the FOXWELL official website for update instructions.

5. TROUBLESHOOTING

5.1 Device Not Powering On

- Ensure the diagnostic cable is securely connected to both the device and the vehicle's OBD-II port.
- Verify the vehicle's ignition is in the ON position (engine off or running, as required by the specific diagnostic function).
- Check the vehicle's fuse for the OBD-II port.

5.2 Communication Errors

- Confirm the vehicle's make, model, and year are correctly selected in the device's menu.
- Ensure the vehicle's battery has sufficient voltage.
- Try connecting the device to a different compatible vehicle to rule out a device issue.

5.3 Inaccurate Readings or Failed Functions

- Ensure the device software is up-to-date.
- Verify that the specific function is supported for your vehicle model. Refer to the device's vehicle coverage list.
- Follow all on-screen instructions precisely for diagnostic or service functions.

6. SPECIFICATIONS

Brand	FOXWELL
Model Numbers	T2000 Pro, NT630 Plus
ASIN	B0DQ15RDB2
Date First Available	December 10, 2024
TPMS Sensor Coverage	Activates 99% of 315MHz and 433MHz sensors
Diagnostic Systems	ABS, SRS/Airbag, OBD-II
Software Updates	Lifetime Free Update

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official FOXWELL website or the warranty card included with your product. Typically, FOXWELL products come with a limited warranty covering manufacturing defects. For technical support, software updates, or any inquiries regarding your FOXWELL T2000 Pro or NT630 Plus, please visit the official FOXWELL website or contact their customer service directly. You can also visit the FOXWELL Store on Amazon for more product information and support resources.

Related Documents - T2000 Pro, NT630 Plus

[Foxwell NT630 Plus OBD2 Scanner FAQ and Troubleshooting Guide](#)
Find answers to frequently asked questions and troubleshooting tips for the Foxwell NT630 Plus OBD2 diagnostic scanner, covering registration, updates, common issues, and operational functions.

[FOXWELL NT630 Pro ABS & Airbag Reset Tool User Manual](#)
This user manual provides comprehensive instructions for the FOXWELL NT630 Pro, a professional diagnostic tool designed for automotive ABS and Airbag systems. Learn how to identify vehicles, read and clear codes, view live data, and perform special functions for efficient automotive diagnostics.

[FOXWELL NT630 Elite ABS & Airbag Reset Tool User Manual | Diagnostics & Guide](#)
Explore the comprehensive user manual for the FOXWELL NT630 Elite ABS & Airbag Reset Tool. This guide details features, setup, diagnostic operations, OBDII/EOBD functions, system configuration, software updates, and result printing for effective vehicle diagnostics.

[FOXWELL NT630 Pro ABS & Airbag Reset Tool User Manual](#)
Comprehensive user manual for the FOXWELL NT630 Pro, a professional automotive diagnostic tool for ABS and Airbag systems. Covers vehicle identification, diagnostic operations, OBDII/EOBD functions, system setup, and software updates.

[FOXWELL NT630Plus ABS & Airbag Reset Tool User Manual](#)
User manual for the FOXWELL NT630Plus ABS & Airbag Reset Tool, detailing its features for automotive diagnostics, ABS/Airbag system checks, SAS calibration, and OBDII/EOBD functions. Includes safety information and setup guides from Shenzhen Foxwell Technology Co., Ltd.

NT510 Multi-system Scanner Manual_English_V1.00

[FOXWELL NT510 Multi-system Scanner User Manual](#)

Comprehensive user manual for the FOXWELL NT510 Multi-system Scanner, detailing its features, operations, safety information, and troubleshooting for automotive diagnostics. Covers vehicle identification, system diagnostics, bi-directional tests, OBDII/EOBD functions, and service/maintenance procedures.