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› FOXWELL NT630 Plus OBD2 Scanner with ABS and SRS Instruction Manual

## FOXWELL NT630 Plus

# FOXWELL NT630 Plus OBD2 Scanner User Manual

Model: NT630 Plus | Brand: FOXWELL

## INTRODUCTION

The FOXWELL NT630 Plus is an advanced diagnostic scan tool designed for comprehensive vehicle system analysis. It specializes in Anti-lock Braking System (ABS) and Supplemental Restraint System (SRS) diagnostics, alongside full OBD-II functions. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and accurate vehicle diagnostics.

Key capabilities include reading and clearing Diagnostic Trouble Codes (DTCs), viewing live data streams, performing active tests, and executing various special functions such as ABS auto bleed, Steering Angle Sensor (SAS) reset, Oil Light reset, and Electronic Parking Brake (EPB) reset.



Figure 1: FOXWELL NT630 Plus OBD2 Scanner device.

## SETUP

### Package Contents

- FOXWELL NT630 Plus Main Unit
- Diagnostic Cable (OBD-II connector)
- USB Cable
- User Manual (Printed)
- Hard Carrying Case



Figure 2: The NT630 Plus comes securely packaged in a durable hard case, ensuring protection and easy transport.

## Initial Setup & Power On

1. Locate the vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. Connect the diagnostic cable from the NT630 Plus to the vehicle's OBD-II port.
3. The scanner will automatically power on once connected to the vehicle.
4. Ensure the vehicle's ignition is in the ON position (engine off).

## Software Update

The NT630 Plus supports lifetime free software updates via WiFi. For optimal performance and the latest vehicle coverage, it is recommended to keep the firmware updated.

- Connect the scanner to a stable WiFi network through the 'Settings' menu.
- Navigate to 'Update' from the main menu and follow the on-screen prompts.
- Newer versions of the software allow direct WiFi updates without needing a PC.

# #1 ABS BLEEDING SCAN TOOL



Figure 3: The NT630 Plus features a clear display for easy navigation and software updates.

## OPERATING

### Navigation

The NT630 Plus features a 2.8" LCD screen and a user-friendly button layout for easy navigation. Use the arrow keys to move through menus and 'Enter' to confirm selections. 'Back' returns to the previous screen, and 'Help' provides on-screen assistance.

### Main Menu Overview

- **History:** Access previously saved diagnostic data.
- **AutoVin:** Automatically identifies vehicle information (VIN) for quick diagnostics.
- **OBDII:** Standard OBD-II functions for engine and transmission diagnostics.
- **ABS & Airbag:** Dedicated functions for Anti-lock Braking System and Supplemental Restraint System.

- **SAS:** Steering Angle Sensor calibration.
- **Settings:** Configure language, units, display, and other device preferences.
- **Playback:** Review recorded live data.
- **Update:** Access software update features.

## OBDII Functions

The OBDII menu provides essential engine diagnostic capabilities:

- **Read Codes:** Displays current, pending, and permanent Diagnostic Trouble Codes (DTCs).
- **Clear Codes:** Erases DTCs from the vehicle's computer and turns off the Check Engine Light (CEL).
- **Live Data:** Shows real-time data stream from the vehicle's sensors, often presented in text or graph format for easier analysis.
- **I/M Readiness:** Checks the readiness of the emission monitoring systems.
- **Freeze Frame:** Displays a snapshot of vehicle operating conditions when a fault code was set.



Figure 4: The NT630 Plus provides detailed live data, including graphical representations of sensor readings for comprehensive analysis.

## ABS & SRS Diagnostics

The NT630 Plus excels in diagnosing Anti-lock Braking System (ABS) and Supplemental Restraint System (SRS) issues:

- **Read/Clear ABS/SRS DTCs:** Identifies and clears fault codes related to ABS and SRS systems.
- **Live Data:** Monitors real-time data from ABS (e.g., wheel speed sensors, brake pressure) and SRS (e.g., airbag sensor status, wiring faults) components.
- **ABS Auto Bleed:** Performs automated bleeding procedures for the ABS system, crucial after brake system repairs or fluid changes to remove air.
- **SAS Reset:** Calibrates the Steering Angle Sensor, often required after steering system repairs or alignment.
- **Oil Light Reset:** Resets the oil service light after an oil change.
- **EPB Reset:** Resets the Electronic Parking Brake system after brake pad replacement.
- **Active Test:** Allows bidirectional control of specific ABS modules to test component functionality.



# PRO-LEVEL ABS & SRS DIAGNOSTICS

Q ABS & SRS

- ✓ Wheel Speed Sensor Issues
- ✓ ABS Control Module Fault
- ✓ Wiring or Connection Faults
- ✓ Low or Contaminated Brake Fluid
- ✓ Sensor Malfunction Location
- ✓ Damaged Clock Spring Check

Figure 5: The device offers professional-level diagnostics for ABS and SRS, identifying issues like wheel speed sensor problems and wiring faults.

# SELF-DIAGNOSIS OF OBDII STATUS



Figure 6: The NT630 Plus is an effective tool for performing ABS bleeding, ensuring proper brake pedal response after maintenance.

Video 1: Demonstration of performing an Oil Light Reset using the FOXWELL NT630 Plus.

Video 2: Guide on how to perform an SAS Reset with the FOXWELL NT630 Plus.

Video 3: Overview of the FOXWELL NT630 Plus ABS SRS Bidirectional Brake Bleed Scanner capabilities.

## MAINTENANCE

Regular software updates are crucial for maintaining the scanner's compatibility with newer vehicle models and ensuring accurate diagnostics. Updates are free for life and can be performed via WiFi directly on the device.

## TROUBLESHOOTING

- **Scanner Not Powering On:** Ensure the diagnostic cable is securely connected to the vehicle's OBD-II port and the vehicle's ignition is on.

- **Auto VIN Not Working:** Some vehicles may not support automatic VIN detection. Manually enter the VIN if needed.
- **Compatibility Issues:** Vehicle coverage and specific functions may vary depending on the car's make, model, and year. Always verify compatibility on the FOXWELL official support site before purchase.
- **Cannot Clear SRS/Airbag Codes:** The NT630 Plus can read and clear ABS/SRS DTCs, but it CANNOT reset or erase any Airbag crash codes or perform programming. Ensure all vehicle issues are properly repaired before attempting to clear codes.
- **Brake Pedal Feels Weak After Bleeding:** Ensure brake fluid reservoir is at the proper level. The ABS auto bleed function helps remove air from the ABS module, but manual bleeding may be required first.

SPECIFICATIONS

| Feature            | Specification                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand              | FOXWELL                                                                                                                                                                                                                                  |
| Model              | NT630 Plus                                                                                                                                                                                                                               |
| Product Dimensions | 9.84"L x 2.36"W x 17.72"H                                                                                                                                                                                                                |
| Item Weight        | 4.9 ounces                                                                                                                                                                                                                               |
| Voltage            | 12 Volts                                                                                                                                                                                                                                 |
| Special Features   | ABS Version Test, Automated Test, Hydraulic Control Test, ABS Motor Test, Autobleed Test, Automated Bleed, Service Bleed, Gear Tension Relief Test, Actuator Test, Brake Bleed Preparation Test, ABS Manual Control Tests, Function Test |

WARRANTY & SUPPORT

For any questions regarding your FOXWELL NT630 Plus scanner, including usage problems or issues with damaged products, please contact FOXWELL support directly.

- **Email Support:** [amazonsupport@foxwelltech.com](mailto:amazonsupport@foxwelltech.com)
- **Official Website:** [www.foxwelltech.us](http://www.foxwelltech.us) (Note: Not [www.foxwelltech.com](http://www.foxwelltech.com))

Refer to the User Manual (PDF) available on the product page for detailed WiFi update steps and other operational guidelines.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

### Answered questions about this manual

#### How do I erase diagnostic trouble codes with the FOXWELL NT630 Plus scanner?

To erase Diagnostic Trouble Codes (DTCs) with the FOXWELL NT630 Plus, follow these steps:Initial Setup:  
Connect the diagnostic cable to the vehicle's OBD-II port and turn the ignition to the ON position (engine off).Navigate...

[Read full answer](#)