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› FOXWELL Car Scanner NT604 Elite OBD2 Scanner ABS SRS Transmission, Check Engine Code Reader for Cars and Trucks, Diagnostic Scan Tool with SRS Airbag, Automotive Diagnostic Tool with Live Data

FOXWELL NT604Elite

FOXWELL NT604 Elite OBD2 Scanner User Manual

Model: NT604Elite | Brand: FOXWELL

Your comprehensive guide to operating and maintaining your automotive diagnostic tool.

1. PRODUCT OVERVIEW

The FOXWELL NT604 Elite is a professional OBD2 diagnostic scan tool designed for car owners to efficiently identify and resolve common vehicle issues. It provides comprehensive diagnostics for key systems including Engine, ABS (Anti-lock Braking System), SRS (Supplemental Restraint System), and Transmission. This device offers features such as reading and clearing fault codes, live data streaming, and vehicle information retrieval, empowering users to monitor vehicle health and perform basic troubleshooting.



Figure 1.1: FOXWELL NT604 Elite OBD2 Scanner main unit with display and control buttons.

Key features include a 4.3-inch color screen, user-friendly interface with large buttons, and a durable protective case for storage. It supports a wide range of vehicle makes from America, Asia, and Europe, and comes with lifetime free updates to ensure compatibility with new models and bug fixes.

2. WHAT'S IN THE BOX?

- FOXWELL NT604 Elite Scan Tool
- 1 * Sturdy Protective Box
- 1 * Diagnostic Cable & USB Cable
- 1 * User Manual
- 1 * Quick Start Guide

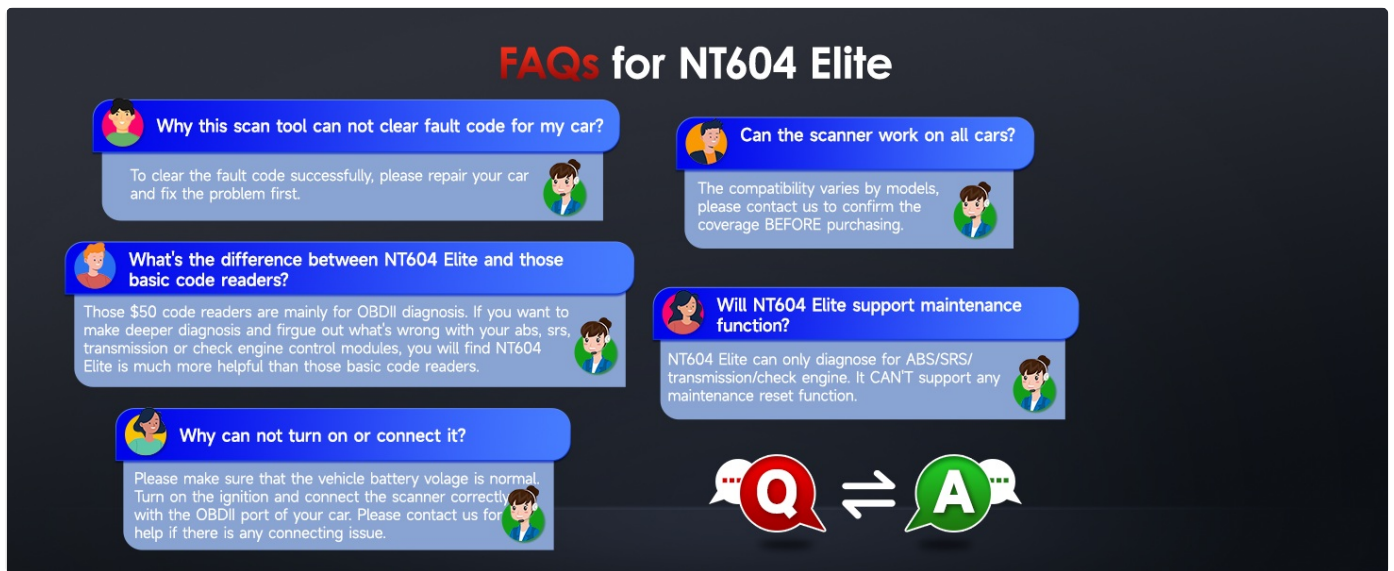


Figure 2.1: All items included in the FOXWELL NT604 Elite product package.

3. SETUP

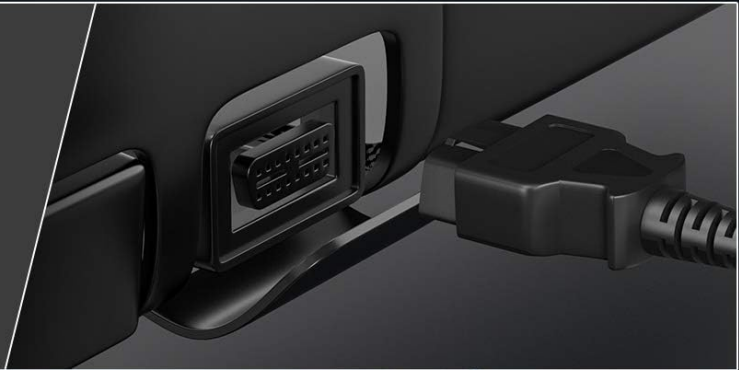
The FOXWELL NT604 Elite is designed for immediate use right out of the box, with pre-installed software. No initial software download is required before first use.

1. **Connect to Vehicle:** Locate your vehicle's OBDII port (typically under the dashboard on the driver's side). Plug the diagnostic cable into the OBDII port.
2. **Turn on Ignition:** Turn your car's ignition to the "ON" position (engine can be off). The scanner will power on automatically.
3. **Select Menu:** Use the navigation buttons on the scanner to select the desired menu option (e.g., "AutoVin" for automatic vehicle identification or "Diagnostic" to begin scanning).

Easy to use---Work out of box!

1

Plug into OBDII port (16pin)



2

Turn on ignition of your car



3

Select menu to start diagnosis



Figure 3.1: Visual guide for connecting the scanner to the OBDII port and turning on ignition.

Your browser does not support the video tag.

Video 3.1: A quick overview of the FOXWELL NT604 Elite OBD2 scanner, demonstrating its physical features and initial setup steps. This video is provided by the seller, OBDZON.

4. OPERATING THE SCANNER

The NT604 Elite offers various operating modes for comprehensive vehicle diagnostics.

4.1. AutoVIN Scan

This feature automatically identifies your vehicle's VIN (Vehicle Identification Number) and retrieves essential vehicle information, saving time from manual input.

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Video 4.1: A short preview demonstrating the AutoVIN feature of the FOXWELL NT604 Elite, showing how it automatically identifies vehicle information. This video is provided by the seller, OBDZON.

4.2. Enhanced 4-System Diagnosis

The core functionality of the NT604 Elite lies in its ability to diagnose four critical systems:

Engine System: Read and clear check engine codes to troubleshoot engine-related issues.

ABS System: Diagnose anti-lock braking system faults and clear warning lights.

SRS (Airbag) System: Identify airbag system issues and clear SRS warning lights. (Note: Airbag crash/collision data cannot be cleared even if the airbag is replaced.)

Transmission System: Scan for transmission-related fault codes and view live data to pinpoint problems.



Figure 4.1: Diagram illustrating the four main systems diagnosed by the NT604 Elite: Engine, Transmission, SRS, and ABS.

Turn Off ABS/Airbag/ Check Engine/AT light

quickly locate root cause, read and clear fault code



Figure 4.2: The scanner can help turn off ABS, Airbag, Check Engine, and AT lights after issues are resolved.

4.3. Live Data Stream

View real-time sensor data in text and graph formats, which is crucial for diagnosing intermittent problems and monitoring system performance. This includes data like transmission temperature, wheel speed, engine RPM, and more.



Figure 4.3: Example of live data stream displayed in graph format on the scanner.

4.4. OBDII Functions

Beyond the 4-system diagnosis, the NT604 Elite also performs standard OBDII functions:

- **Read DTCs:** Retrieve diagnostic trouble codes.
- **Clear Codes:** Erase DTCs from the vehicle's computer.
- **Freeze Frame:** View a snapshot of vehicle conditions when a fault code is triggered.
- **I/M Readiness:** Check if the vehicle's emission systems are ready for inspection.
- **O2 Sensor Test:** Monitor oxygen sensor performance.
- **On-Board Monitor Test:** Access results of on-board diagnostic monitoring tests.
- **Vehicle Information:** Retrieve vehicle identification information (VIN, CID, CVN).
- **DTC Lookup:** Built-in library to look up definitions of fault codes.
- **Evap Test:** Perform evaporative emission system tests.

Professional OBDII Code Reader



Engine Shut Off Solenoid



Injector Circuit Open?



Intake air temp too high?



read
codes



clear
codes



view
live data



freeze
frame



I/M
Readiness



On-BOARD
Monitor test



component
test



retrieve
vehicle info



modules
present



DTC
Lookup



Figure 4.4: Overview of the professional OBDII code reader functions available.

Are you Ready for **Annual Inspection?**

I/M readiness function helps you do self-check for s-mog test



Since DTCs Cleared	
Name	Value
Malfunction Indicator Lamp(MIL) Status	OFF
Misfire Monitoring	OK
Fuel system Monitoring	OK
Comprehensive component Monitoring	OK
Catalyst Monitoring	OK
Heated Catalyst Monitoring	N/A
Evaporative system Monitoring	N/A
Pause(F1)	Graph(F2)
Save(F3)	

Figure 4.5: The I/M Readiness function helps determine if your car is ready for an annual inspection (smog test).

5. MAINTENANCE

The FOXWELL NT604 Elite is primarily a diagnostic tool. It does not support advanced maintenance functions such as EPB Reset, ABS Bleeding, Oil Light Reset, or Battery Reset Programming. For these functions, a more specialized tool would be required.

5.1. Software Updates

The NT604 Elite offers lifetime free updates. To update the software:

1. Visit the official FOXWELL website (www.foxwelltech.us/register.html) to register your device.
2. Download and install the FoxAssist PC application from the support section (www.foxwelltech.us/support-tools.html).
3. Connect the scanner to your computer using the provided USB cable or by inserting the Micro SD card into a card reader connected to your computer.
4. Follow the on-screen instructions in the FoxAssist software to download and install the latest vehicle software and

bug fixes.



Figure 5.1: The scanner supports lifetime free updates and allows printing of diagnostic reports.

6. TROUBLESHOOTING

Here are some common questions and solutions for the NT604 Elite:

Q: Why can't this scan tool clear fault codes for my car?

A: To clear the fault code successfully, please repair your car and fix the problem first.

Q: Can the scanner work on all cars?

A: Compatibility varies by car makes and models. Please confirm coverage before purchasing by checking the FOXWELL website.

Q: Why can't it turn on or connect?

A: Ensure the vehicle battery voltage is normal. Turn on the ignition and connect the scanner correctly with the OBDII port of your car. If issues persist, contact customer support.

Q: What's the difference between NT604 Elite and basic code readers?

A: Basic \$50-100 code readers are mainly for OBDII diagnosis. The NT604 Elite offers deeper diagnosis for ABS, SRS, transmission, and check engine control modules, making it more comprehensive.

Q: Does NT604 Elite support maintenance functions?

A: No, the NT604 Elite only supports diagnostic functions for control modules like ABS, SRS, transmission, and check engine. It does NOT support maintenance functions like EPB Reset, ABS Bleeding, Oil light reset, or battery reset programming.



Figure 6.1: Common FAQs regarding the FOXWELL NT604 Elite scanner.

7. SPECIFICATIONS

Feature	Detail
Brand	FOXWELL
Model Number	NT604Elite
Item Weight	2.79 pounds
Product Dimensions	7.68 x 3.54 x 1.18 inches
Display Resolution	480x272
Operating System	Windows 10 (for software updates)
Date First Available	December 2, 2020

8. WARRANTY AND SUPPORT

FOXWELL provides a one-year limited warranty for the NT604 Elite scanner. For any assistance with registration, updates, compatibility, or other issues, please contact FOXWELL customer support.

- **Contact Support:** You can send a message via Amazon or ask a question on the product page. Fast responses are typically provided within 24 hours.
- **User Guide (PDF):** For detailed instructions, refer to the official User Guide available at: <https://manuals.plus/m/4cf910ca3e122efc73e2e578c80231556087f130ce42c35389c0923921a86e07>
- **User Manual (PDF):** An additional User Manual is available at: <https://manuals.plus/m/3ca4e1e28c8b87aee2c467886149767b07a5687a48088cbdb741dd7e81973ba9>

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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