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> FOXWELL NT510 Elite for Porsche OBD2 Diagnostic Scanner Full System ABS SRS Engine Code Reader with Bi-Directional Scan Tool
Active Test All Service Reset Oil EPB BMS TPS ESP CKP ABS Bleeding

FOXWELL NT510 Elite fit for porsche

FOXWELL NT510 Elite Diagnostic Scanner User Manual

Model: NT510 Elite | Brand: FOXWELL

INTRODUCTION

The FOXWELL NT510 Elite is a professional diagnostic scan tool specifically designed for Porsche vehicles, offering comprehensive system diagnostics, bi-directional control, and various service reset functions. This manual provides detailed instructions for its setup, operation, and maintenance, enabling users to effectively diagnose and maintain their vehicles.

PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present:

- 1 * NT510 Elite fit for Porche
- 1 * Carrying Case
- 1* User's Manual
- 1* USB Cable

SETUP GUIDE

Initial Device Setup

To begin using your NT510 Elite, connect it to your vehicle's OBD-II port. The device will typically power on automatically once connected. Ensure the vehicle's ignition is in the 'ON' position (engine off) for most diagnostic procedures.

Software Installation and Updates

To ensure optimal performance and access to the latest vehicle data, it is crucial to keep your NT510 Elite's software updated. Updates are provided free for life.

Steps for Software Update:

1. Connect the NT510 Elite to a computer via the provided USB cable.
2. Install the FoxAssist software on your computer. This software is available for download from the official FOXWELL website.

3. Launch FoxAssist and register your device using its serial number.
4. Select the "Update" option from the main menu of the FoxAssist software.
5. Connect the NT510 Elite to a Wi-Fi network if prompted by the device or FoxAssist.
6. Select the desired software packages (e.g., specific car brands) and click "Update" to download and install them onto your device.



The main unit of the FOXWELL NT510 Elite, displaying its user interface and the update option.

This video demonstrates the process of purchasing and downloading additional software packages for the FOXWELL NT510 Elite diagnostic tool using the FoxAssist application on a computer.

OPERATING INSTRUCTIONS

Main Menu Navigation

The NT510 Elite features a user-friendly interface. Use the directional buttons to navigate through menus and the ENTER button to confirm selections. The BACK button returns to the previous screen.

Full System Diagnostics

The scanner can perform a comprehensive scan of all available electronic control units (ECUs) in your Porsche, including Engine, ABS, Airbag (SRS), Transmission, HVAC, and more. This allows for a thorough understanding of your vehicle's health.

Auto VIN Scan: The device supports automatic VIN reading for quick vehicle identification, streamlining the diagnostic process.

Full System Diagnoses

Easily understand the health of your car



An illustrative diagram highlighting the various vehicle systems that the NT510 Elite can diagnose, such as engine, ABS, SRS, and transmission.

Automatic VIN Reading

Support manual/automatic reading of vehicle information



Auto VIN

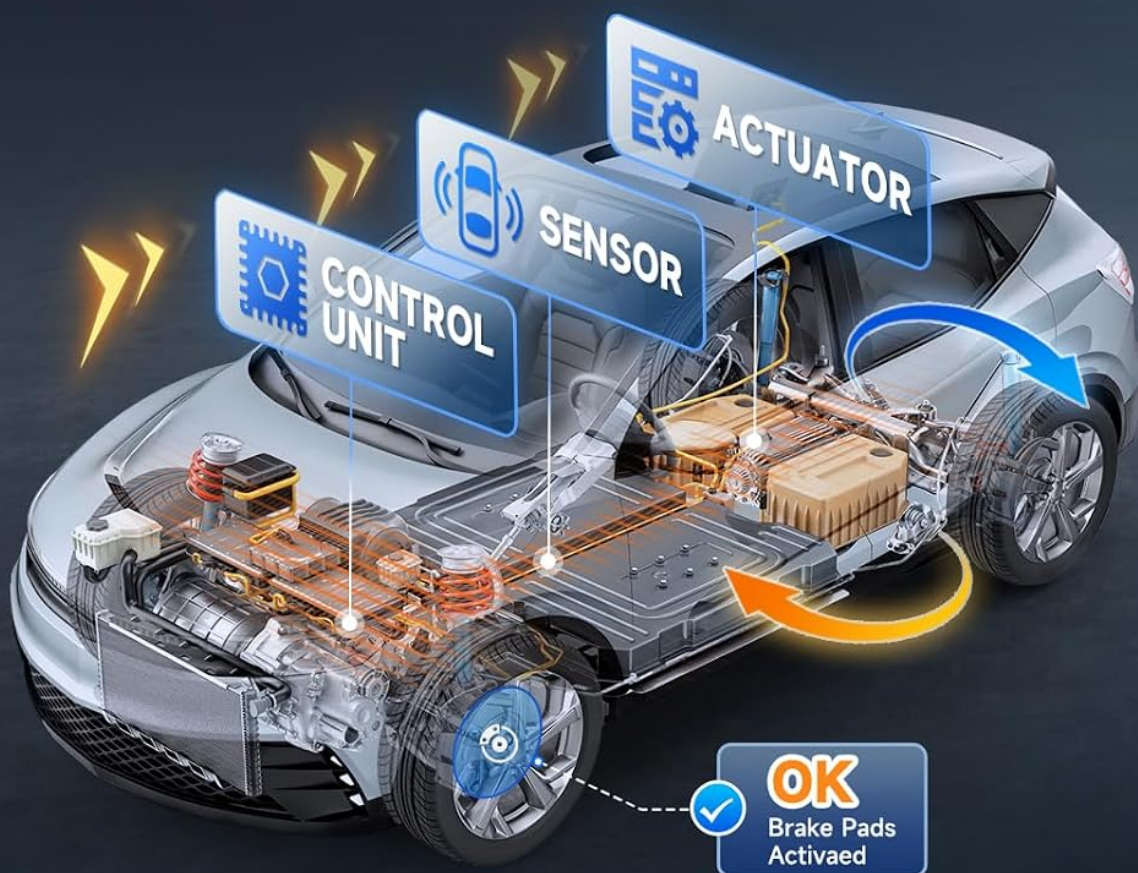
The NT510 Elite device connected to a vehicle, demonstrating its automatic VIN reading capability to quickly identify vehicle information.

Bi-Directional Control (Active Test)

This function allows you to send commands to vehicle components to test their functionality, aiding in pinpointing issues. Examples include testing fuel pumps, windows, sunroofs, and wipers, just like a professional mechanic would.

Bi-Directional Control

Master driving skills of your vehicle for safe journeys



Fuel Injector Pump



Door Lock Test



Turn On/Off Lights



A/C Clutch On/Off



Turn On/Off Sound Horn



Test Door Lock

A visual representation of the bi-directional control feature, showing how the scanner can activate various components like fuel pumps, door locks, and lights for diagnostic testing.

Service Functions

The NT510 Elite provides access to over 25 common service and reset functions specific to Porsche vehicles, helping

you handle maintenance like a professional.

- **Oil Reset:** Resets the oil service light after an oil change, ensuring accurate maintenance scheduling.



A digital dashboard display illustrating the process of resetting the oil service light, indicating convenience and guided steps.

- **EPB (Electronic Parking Brake) Reset:** Deactivates and reactivates the electronic parking brake system for safe brake pad replacement.
- **BMS (Battery Management System) Reset:** Registers a new battery to the vehicle's ECU, optimizing charging and

battery life.

- **SAS (Steering Angle Sensor) Calibration:** Calibrates the steering angle sensor after steering system repairs, ensuring proper steering alignment.
- **TPS (Throttle Position Sensor) Relearn:** Performs throttle body relearn procedures to ensure correct idle and acceleration.
- **ABS Bleeding:** Bleeds the brake system to restore ABS brake sensitivity and ensure proper braking performance.
- **Injector Coding:** Codes new injector numbers to the ECU, optimizing fuel delivery.
- **CKP (Crankshaft Position Sensor) Relearn:** Performs crankshaft position system variation learn, crucial for engine timing.

OBD2 Functions

For general OBD2 compliant vehicles, the scanner supports all 10 OBD2 test modes, providing comprehensive diagnostic capabilities for a wide range of vehicles.

- Reading and clearing Diagnostic Trouble Codes (DTCs).
- I/M Readiness status check to determine if the vehicle is ready for emissions testing.
- Viewing Freeze Frame Data, which captures vehicle conditions at the time a fault code is set.
- Live Data Stream display in both text and graph formats for real-time monitoring of sensor data.
- O2 Sensor Test to check the functionality of oxygen sensors.
- On-Board Monitor Test for non-continuously monitored systems.
- EVAP System Test to check for leaks in the evaporative emission system.
- Retrieving Vehicle Information (VIN, CIN, CVN).

Affordable And Effective

The ultimate solution for your vehicle needs

Full OBDII

The Functions of FOXWELL NT301

All Services Reset



Full System

Active Test

The NT510 Elite displaying live data graphs and connected to a printer, demonstrating its ability to monitor vehicle conditions in real-time and print diagnostic reports.

DEVICE MAINTENANCE

Cleaning

To maintain the device's appearance and functionality, use a soft, damp cloth for cleaning. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the casing or screen.

Storage

When not in use, store the NT510 Elite in its provided carrying case. Keep the device in a dry, cool environment, away from direct sunlight, extreme temperatures, and excessive dust or moisture.

TROUBLESHOOTING

This section addresses common issues you might encounter while using the FOXWELL NT510 Elite. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
Device does not power on	Not properly connected to OBD-II port; vehicle battery low.	Ensure secure connection to the vehicle's OBD-II port. Check the vehicle's battery voltage to ensure it is sufficient.
Communication error with vehicle	Incorrect vehicle protocol selected; faulty OBD-II port on vehicle; outdated software.	Verify vehicle compatibility and ensure the correct vehicle make/model is selected. Check the vehicle's OBD-II port for damage. Update the device software.
Software update fails or device freezes	Unstable internet connection during update; corrupted download file; insufficient storage on device.	Ensure a stable internet connection. Re-download the software. If the issue persists, contact FOXWELL support.
Specific function not working for my car	Function not supported for specific model/year; software bug.	Refer to the official FOXWELL website for detailed function lists per model. Contact FOXWELL support with your VIN for specific compatibility inquiries.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	FOXWELL
Product Dimensions	3.7"L x 1.26"W x 5.71"H
Operating System	Linux
Language	English
Automotive Fit Type	Vehicle Specific Fit
Item Weight	1.37 pounds
Model	NT510 Elite fit for porsche
Manufacturer	FOXWELL

Feature	Detail
Date First Available	October 15, 2019



Back view of the NT510 Elite, displaying its technical specifications label.

WARRANTY AND SUPPORT

The FOXWELL NT510 Elite comes with lifetime software updates, ensuring your device remains current with new models and features. For technical assistance, troubleshooting, or warranty inquiries, please contact FOXWELL customer support directly. You may also refer to the official user manual available as a PDF for more detailed information:

[User Manual \(PDF\)](#)

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

Open the live page

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