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FOXWELL NT710

FOXWELL NT710 Diagnostic Scan Tool User Manual

Model: NT710 | Brand: FOXWELL

1. INTRODUCTION

The FOXWELL NT710 is an advanced OBD2 diagnostic scan tool designed for comprehensive vehicle diagnostics, particularly for Porsche models. It features an Android 9.0 system, a 5.5-inch intuitive touchscreen, and supports a wide range of diagnostic and maintenance functions. This manual provides instructions for setting up, operating, maintaining, and troubleshooting your NT710 device.

2. SETUP AND INITIAL USE

2.1 Unboxing and Components

Upon opening the package, ensure all components are present:

- 1 x FOXWELL NT710 Car Diagnostic Tablet
- 1 x Diagnostic Cable
- 1 x Carrying Hard Case
- 1 x Quick Guide

► NEWEST SMART FUNCTIONS

FOXWELL OBD2 Scanner Diagnostic Tool Fit for Porsche



Image: The FOXWELL NT710 diagnostic tablet, diagnostic cable, hard carrying case, and quick guide are included in the package.

2.2 Device Overview

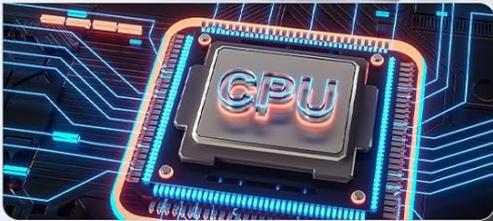
The NT710 features a 5.5-inch touchscreen, runs on Android 9.0, and is equipped with a 4000mAh battery and 32GB of memory. It supports Bluetooth and Wi-Fi connectivity.

► MAX YOUR DIAGNOSTIC POWER

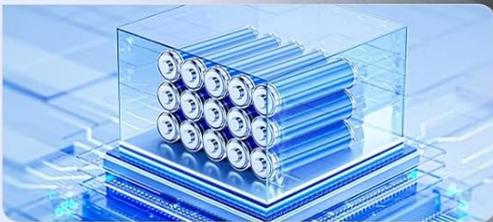
Faster, Slimmer, Superior to NT510



5.5" Touch Screen



Android 9.0 System



4000 mAh Battery



2G+32G Memory



Image: The FOXWELL NT710 diagnostic tool highlighting its 5.5-inch touchscreen, Android 9.0 system, 4000mAh battery, and 32GB memory.

2.3 Powering On and Initial Configuration

Press the power button to turn on the device. Follow the on-screen prompts to complete the initial setup, including language selection and Wi-Fi connection. A stable Wi-Fi connection is essential for software updates.

2.4 Connecting to Vehicle

Locate your vehicle's OBD2 port, typically found under the dashboard on the driver's side. Connect the diagnostic cable from the NT710 to the vehicle's OBD2 port. Ensure the vehicle's ignition is in the ON position (engine off or running, depending on the test).

Video: This video demonstrates the FOXWELL NT710's features, including its interface, update process, and various diagnostic and active test functions like window control and wiper operation.

3. OPERATING THE DIAGNOSTIC TOOL

3.1 OE-Level All-Systems Diagnosis

The NT710 can perform a full electronic system diagnosis for Porsche vehicles, covering modules such as engine, ABS, airbag, transmission, chassis, and HVAC. Key diagnostic functions include:

- **Read/Clear Codes:** Retrieve and erase diagnostic trouble codes (DTCs).
- **Live Data Stream:** View real-time data parameters from various sensors and components.
- **Auto VIN/Scan:** Automatically identify vehicle information for quick diagnosis.
- **ECU Information:** Access electronic control unit details.
- **Active Test:** Perform bi-directional control tests (see section 3.3).

► BIDIRECTIONAL CONTROL

ACTIVE TEST Can Verify Actuators Status in Seconds For A Quick Fix



Image: The FOXWELL NT710 performing OE-Level All Systems Diagnostics, illustrating its capability to read/clear codes, view live data, and perform active tests across various vehicle systems.

3.2 Full OBD2 Functions for All Cars

Beyond Porsche-specific diagnostics, the NT710 supports full OBD2 test functions for all cars manufactured after 1996 that comply with the OBD2 protocol. These functions include:

- Read & Clear Codes
- Live Data
- Freeze Frame
- O2 Sensor Test
- EVAP System Test
- On-Board Monitor Test
- Component Test
- Vehicle Information (VIN)
- I/M Readiness
- DTC Lookup



Image: An illustration of the full OBDII functions available on the NT710, including reading and clearing codes, live data, freeze frame, and various system tests.

3.3 Bi-Directional Control / Active Test

The NT710 allows you to send commands directly to the vehicle's ECU and components to perform specific active tests. This helps in verifying component functionality and identifying potential problems. Examples of active tests include:

- ABS manual control test
- ABS motor test
- Air pump relay test
- EVAP purge solenoid test
- Spark advance test
- Fan speed desired test
- Cooling fan test
- Actuator test
- Fuel pump on/off
- A/C clutch on/off
- Retract electronic parking brake

▶ ALL MAINTENANCE SERVICES

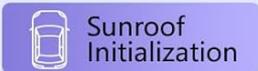
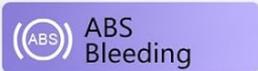


Image: The FOXWELL NT710 demonstrating bi-directional control, showing how it sends commands to vehicle components for active testing.

4. MAINTENANCE SERVICES

The NT710 offers a comprehensive suite of maintenance services to help manage your Porsche vehicle's upkeep:

- **Oil Reset:** Reset the oil service light after an oil change.
- **Battery Registration:** Register a new battery to the vehicle's system.
- **Parking Brake Reset (EPB):** Reset the electronic parking brake system for brake pad replacement.
- **TPS (Throttle Position Relearn):** Relearn the throttle body position.
- **ABS/SRS Reset:** Reset Anti-lock Braking System and Supplemental Restraint System warnings.
- **DPF Regeneration:** Perform Diesel Particulate Filter regeneration.
- **TPMS Reset:** Reset the Tire Pressure Monitoring System.
- **Injector Coding:** Code new injectors to the ECU.
- **Air Suspension:** Adjust or calibrate air suspension systems.

- **CKP (Crankshaft Sensor Relearn):** Perform crankshaft position sensor relearn procedures.
- **SAS Reset:** Steering Angle Sensor calibration.

▶ ALL MAINTENANCE SERVICES

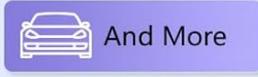


Image: A visual representation of the various maintenance services supported by the FOXWELL NT710, including oil reset, EPB reset, and injector coding.

4.1 Specific Maintenance Functions



Image: Oil Light Reset.

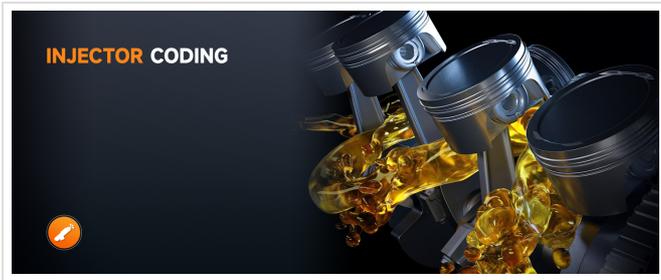


Image: Injector Coding.

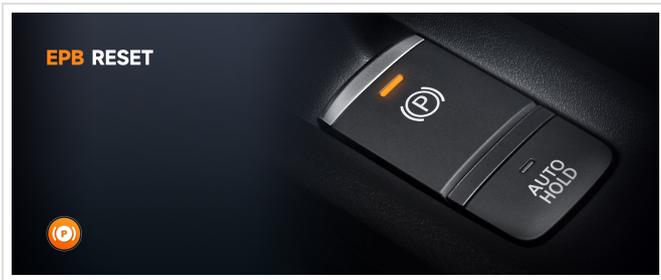


Image: ABS Bleeding.



Image: EPB Reset.

5. SOFTWARE UPDATES AND DATA MANAGEMENT

5.1 One-Click Wi-Fi Update

The NT710 supports lifetime free updates via Wi-Fi. Connect the device to a stable Wi-Fi network and navigate to the 'Update' section on the main menu. Follow the on-screen instructions to download and install the latest software versions. Regular updates ensure compatibility with new vehicle models and access to the latest features.



Image: The FOXWELL NT710's one-click Wi-Fi update feature, simplifying software maintenance.

5.2 Data Sharing and Printing

Diagnostic reports and live data can be saved, shared, and printed directly from the device. This feature allows for easy record-keeping and sharing information with technicians or clients.



Image: The NT710's capability to share and print diagnostic data, facilitating easy record-keeping and communication.

6. TROUBLESHOOTING

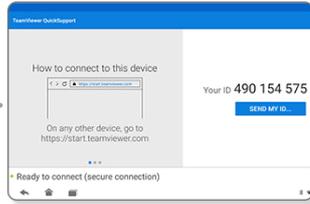
If you encounter issues with your FOXWELL NT710, consider the following:

- **Device Not Powering On:** Ensure the device is fully charged or connected to the vehicle's OBD2 port. Check the diagnostic cable for secure connection.
- **Communication Errors:** Verify the diagnostic cable is securely connected to both the device and the vehicle's OBD2 port. Ensure the vehicle's ignition is on. Try restarting both the device and the vehicle.
- **Function Not Supported:** Some advanced functions may not be supported on all vehicle models or years. Refer to the vehicle coverage list or contact support for specific compatibility.
- **Clearing Codes:** It is recommended that all necessary repairs are fully completed before clearing diagnostic codes to ensure vehicle performance and safety.

6.1 Remote Technical Support

The NT710 offers remote technical support. If you encounter complex issues, you can use this feature to allow a technician to remotely access your device for diagnosis and assistance.

REMOTE TECHNICAL SUPPORT



1 Problems encountered while driving

The engine is abnormal, the door cannot be opened, the air conditioner cannot be adjusted, etc.

2 Please enter your device ID

Enter this page to find your device ID and contact our technical staff in time.

3 Professional technical analysis

The technician will find the car fault based on the ID provided and solve the problem.

Image: Remote Technical Support feature, showing the process of connecting with a technician for assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	FOXWELL
Model	NT710
Operating System	Android 9.0
Screen Size	5.5 Inches
Item Weight	3.25 pounds
Product Dimensions	4.9 x 1.5 x 9.3 inches
Batteries	1 Lithium Ion battery required (included)
Power Source	Battery Powered

8. WARRANTY AND SUPPORT

FOXWELL stands behind its products. If you receive a defective, used, or damaged item, please contact customer support for prompt resolution. For technical assistance, utilize the remote technical support feature described in section 6.1.