



FOXWELL NT301 Manual: User Guide for OBD2 Scanner

[Home](#) » [Foxwell](#) » **FOXWELL NT301 Manual: User Guide for OBD2 Scanner** 

The FOXWELL NT301 Code Reader User Guide is an essential manual for those who own the NT301 CAN OBDII/OBD Code Reader from Foxwell. This code reader is the quickest and easiest solution for OBD faults and offers useful information for entry-level pros and savvy DIYers. The user guide provides step-by-step instructions on how to use the code reader, including how to read codes, erase codes, view live data, and run various tests. It also includes a detailed description of the code reader, including its different buttons and displays. The user guide also answers frequently asked questions about the code reader, such as what it can and cannot do, what it comes with, and whether it is compatible with certain vehicles. The guide also provides a video tutorial for visual learners. This user guide is a valuable resource for anyone who wants to get the most out of their FOXWELL NT301 Code Reader.

Contents

- [1 FOXWELL NT301 Code Reader User Guide](#)
- [2 NT301 Code reader](#)
- [3 Applicable Functions](#)
- [4 Code Reader Descriptions](#)
- [5 How to Use NT301?](#)
- [6 Retrieve 1/M](#)
- [7 Updating](#)
- [8 SPECIFICATION](#)
- [9 FAQs](#)
- [10 VIDEO](#)
- [11 Documents / Resources](#)
 - [11.1 References](#)
- [12 Related Posts](#)



FOXWELL NT301 Code Reader User Guide

NT301 Code reader **CHECK**

The NT301 CAN OBD2/EOBD Code Reader from Foxwell is the easiest and quickest solution for OBD faults. When it comes to diagnosing Check Engine issues you'd never go wrong with the new NT301 code reader. It offers such useful information for entry-level pro and savvy DIYer that they can quickly and efficiently troubleshoot OBD2/EOBD problems on today's vehicles. In addition, its 2.8" TFT color screen and hot keys for I/M readiness test, and reading/clearing DTCs make it excellent value for money.

Applicable Functions

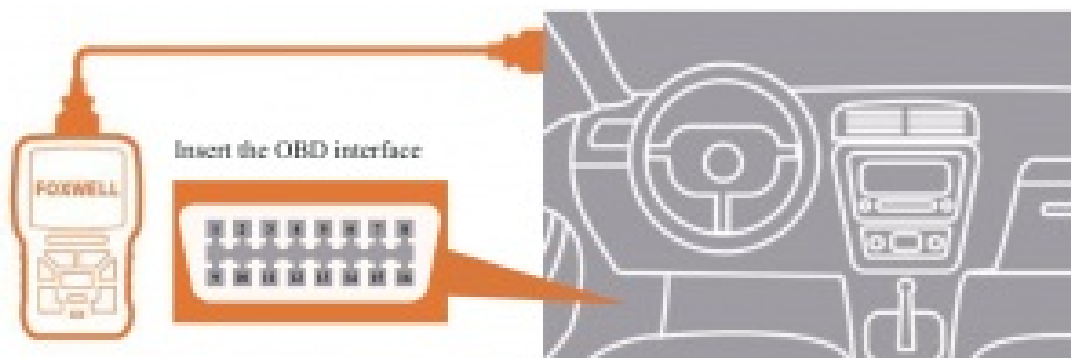
- Read Codes / Freeze Frame Data
- On-board Monitor Test /Component Test
- Erase Codes /Live Data Vehicle
- Information Modules Present
- I/M Readiness /O2 Sensor Test
- Unit or measure /DTC GUIDE

Code Reader Descriptions



A. OBD II Cable **B.** LCD Display **C.** Green LED Display – indicates the engine system is PID list, and to view PID graphs. working normally (all monitors on the vehicles are active) **C) UGHT SCROLL KEY** – goes to next character when and performing their diagnostic testing), and no DTCs looking up DTCs. Scrolls back and forth through codes are found. **D.** Yellow LED Display -shows the tool finds a possible problem. Pending DTCs exist or/and some of the vehicle's emission monitors have not run their diagnostic testing. **E.** Red LED Display – indicates there are some problems in one or more of the vehicle's systems. In this case, the MIL lamp on the instrument panel is on. **F.** UP Key **G.** DOWN Key **H.** LEFT SCROLL KEY – goes to previous character when looking up DTCs. Scrolls back and forth through codes found and through different screens of data.. Also it is used to make selection of PIDs when viewing custom PID list, and to view PID graphs **I.** RIGHT SCROLL KEY – goes to next character when looking up DTCs. Scrolls back and forth through codes found and through different screens of data. Also it is used to cancel all selections of PIDs when viewing custom PID list. **J.** One Click 1/M Readiness Key – quick checks state emissions readiness and drive cycle verification **K.** BACK Key **L.** ENTER Key **M.** Power Switch – reboot the code reader **N.** HELP Key – accesses to the Help function and it is also used to update the code reader when long pressed. **O.** USB Port

How to Use NT301?



OBD-II Connector

and Pinout

1. VendorOption
2. SAE J1850BUS+
3. Vendor Option
4. Chassis Ground
5. Signal Ground
6. CAN(J-2234)High
7. ISO9141-2K-Line
8. VendorOption
9. VendorOption
10. SAE J1850BUS-

- 11. Vendor Option
- 12. Vendor Option
- 13. VendorOption
- 14. CAN(J-2234) Low
- 15. 15.ISO9141-2 Low
- 16. Battery Power

I Turn on the ignition of your car




In the main menu, ENTER OBDII/EOBD, then NT301 starts scanning, wait for several seconds, choose “yes/no” with right arrow key, and enter the Diagnostic Menu .



Choose “**Read Codes**” – Choose each selection to check. Pending Codes means the codes need to be confirmed after several driving cycle.



If the code with “” symbol, please press HELP To get DTC guide for possible car issues. If not, take photos of each codes you have or write them down. Google them and find more references on Internet to help to locate your car issues.



Enter “Live Data”, graphing selected live data will also help locate bad sensors



Enter "View Freeze Frame", which is a snapshot of critical vehicle operating conditions automatically recorded by the on-board computer at the time DTC(Diagnostic Trouble Code) set. Check the data which you need to locate bad sensors

















O2 Monitor Test, On-Board Monitor Test, Component Test, the availability of these tests may depend on the actual condition of your vehicle.

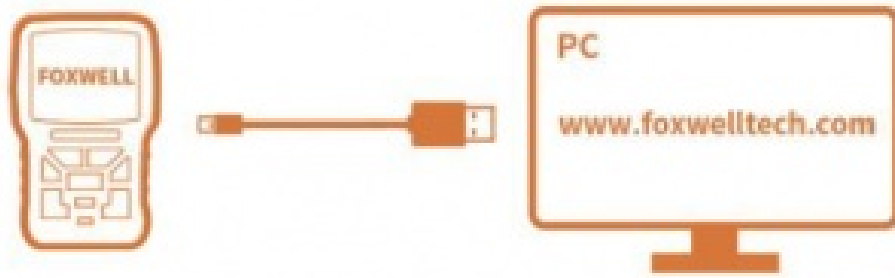


Enter " I/M Readiness".

Retrieve 1/M

MIL 	Malfunction Indicator Lamp
DTC 	Diagnostic Trouble Codes
MIS 	Misfire
FUE 	Fuel System
CCM 	Comprehensive Component Monitor
CAT 	Catalyst
HCAT 	Heated Catalyst
IGN  Compression Spark	Ignition
Pd DTC 	Pending Diagnostic Trouble Codes
EVAP 	Evaporative System
AIR 	Intake Air System
O2S 	Oxygen Sensor
HRT 	Oxygen sensor heater
EGR 	Exhaust Gas Recirculation

Updating



- Do not disconnected the code reader Iran computer a- power off the computer during the process of updating
- No Registration
- **Required PC:** Windows 7 Windows 8 and Windows 10 supported

1. Download the update tool NT Wonder and install it.
2. Enable NT Wonder and connect NT301 to computer with USB Cable.
3. Click or to start updating according to the software version conditions.
4. An Update Finished Message displays when the update is completed.

amazonsupport@foxwelltech.com Please download the User Manual for more detailed operations

SPECIFICATION

Product Specifications	Description
Product Name	FOXWELL NT301 CAN OBDIIUEOBD Code Reader
Functions	Read Codes, Freeze Frame Data, On-board Monitor Test, Component Test, Erase Codes, Live Data, Vehicle Information, Modules Present, I/M Readiness, 02 Sensor Test, Unit of Measure, DTC Guide

Display	2.8" TFT Color Screen
Buttons	Light Scroll Key, Up Key, Down Key, Left Scroll Key, Right Scroll Key, One Click I/M Readiness Key, Back Key, Enter Key, Power Switch, Help Key
LED Display	Green LED Display (working normally), Yellow LED Display (possible problem), Red LED Display (problems in one or more of the vehicle's systems)
Compatibility	OBD2/EOBD vehicles
Update	NT Wonder software, USB Cable
FAQs	Difference between NT301 and NT301-Pro, how to use it to check engine light on, what's in the box, will it work to find issues on a car if the check engine light hasn't come on yet, will it read both codes of ETS and check engine light, does it measure tranny temp, can it check coil packs, does it allow you to reprogram engine parameters for increased fuel economy or increasing performance of the engine, compatibility with specific car models
Video	Link to FOXWELL NT301 Code Reader video tutorial
Website	www.foxwelltech.com

FAQS

What's the difference between NT301 and NT301-Pro?

The NT301-Pro is designed for professional technicians, while the NT301 is designed for DIYers. Both of them can read and clear trouble codes, but the Pro version also has live data and component testing functions.

How to use it to check engine light on?

1. Connect the device via OBDII cable to vehicle's OBDII port. 2. Turn on ignition switch to ON position (engine off). 3. Press "Check Engine" button once, then turn ignition switch OFF. 4. Turn ignition switch to ON position (engine off). The device will automatically enter "Check Engine" mode in a few seconds. 5. If there are DTCs, you will see them on screen one by one in a few seconds after entering "Check Engine" mode. If no DTCs are found, you will see "No DTCs Found" on screen. 6. If you want to get more information about each DTC, press "Read

DTC" button once or twice according to the number of DTCs found during Check Engine mode test, then turn ignition switch OFF and wait for a few seconds before turning it back ON again. You will see more information about each DTC in a few seconds after entering "Check Engine" mode again. 7. After reading all the DTCs or if there are no DTCs found during Check Engine mode test, press "Exit Check Engine Mode" button once to exit Check Engine mode test and return to normal operation screen(the device will automatically exit Check Engine mode if no action is taken within 5 minutes).

What's in the box?

1*NT301 obd2 scanner, 1* usb cable, 1* quick reference guide

Will this work to find issues on a car if the check engine light hasnt come on yet?

Yes, NT301 diagnostic scan tool will find issues if the check engine light hasn't come on yet. In the keyboard, there is an I/M key in the middle, which you can check if all emission-related monitors are ready for smog test. means the monitor is not ready, which you can check if there is a problem.

Obdzon Customer Service Team

amazonsupport@foxwelltech.com

My ets and check engine light is on. will this product read both codes?

Yes, this Foxwell NT301 obd2 scanner can read your the codes of your check engine light. Sorry we couldn't get ets.

Does it measure tranny temp.?

it will read the Engine Coolant Temperature, Intake Air Temperature and Ambient air temperature. I am not sure what does the the tranny temp. mean.

does it measure transmission temperture?

no....you need the N501 for that.

Can it check coil packs

Not sure but if you have one not firing right I think it would show up

does this device allow you to re programm engine parameters for increased fuel economy or increasing performance of the engine?

No.

Will this work on a 2007 jeep liberty

Yes, this will work on a 2007 Jeep Liberty

Will this scan tool work on a 2014 dodge charger v6 and a 2000 ford f3 57.3 diesel ??

OBD2 works with anything 1996 or newer so yes it will work

Is it compatable with 2009 Volvo S60 2.5 T ?

Yes

Can this be used on a 2013 Hyundai Genesis

Yes dear, Foxwell NT301 code reader obd2 scanner will work on your 2013 Hyundai Genesis.

Will scanner tell me why engine won't turn over?

The Scanner Provides Codes That Leads You To A Faulty Module, Sensor, Subassembly or Component. Corrective Actions To These Faults Will Nine Times Out Of Ten Get Your Engine Back To Running Condition. As You Know, The Only Way To Ensure A Healthy Running Vehicle While Sensors and Components Give Out Due To Wear And Tear Is A Routine Regiment Of Preventive Maintenance.

Will this work on 2015 Silverado , says it won't work on heavy duty trucks?

Yes, this code scanner can not work on heavy duty trucks.

Will the FOXWELL NT301 Code Reader work on a 2013 Hyundai Genesis?

Yes, the FOXWELL NT301 Code Reader will work on a 2013 Hyundai Genesis.

Will the FOXWELL NT301 Code Reader work on a 2007 Jeep Liberty?

Yes, the FOXWELL NT301 Code Reader will work on a 2007 Jeep Liberty.

What's included in the box with the FOXWELL NT301 Code Reader?

The box includes 1*NT301 obd2 scanner, 1* usb cable, and 1* quick reference guide.

Will the FOXWELL NT301 Code Reader work on a car if the check engine light hasn't come on yet?

Yes, the FOXWELL NT301 Code Reader will work on a car if the check engine light hasn't come on yet. In the keyboard, there is an I/M key in the middle, which you can check if all emission-related monitors are ready for smog test.

How do I use the FOXWELL NT301 Code Reader?

To use the FOXWELL NT301 Code Reader, turn on the ignition of your car, enter OBDII/EOBD in the main menu, choose "Read Codes," enter "Live Data," enter "View Freeze Frame," and enter "I/M Readiness."

What are the different displays on the FOXWELL NT301 Code Reader?

The different keys on the FOXWELL NT301 Code Reader are Up Key, Down Key, Left Scroll Key, Right Scroll Key, One Click I/M Readiness Key, Back Key, Enter Key, Power Switch, and HELP Key.

What functions does the FOXWELL NT301 Code Reader have?

The FOXWELL NT301 Code Reader has functions such as Read Codes, Freeze Frame Data, On-board Monitor Test, Component Test, Erase Codes, Live Data, Vehicle Information, Modules Present, I/M Readiness, 02 Sensor Test, Unit or measure, and DTC GUIDE.

What does the FOXWELL NT301 Code Reader do?

The FOXWELL NT301 Code Reader User Guide is an essential manual for those who own the NT301 CAN OBDIUEOBD Code Reader from Foxwell.


VIDEO



<https://manuals.plus/wp-content/uploads/FOXWELL-NT301-Code-Reader.mp4>

www.foxwelltech.com

Documents / Resources

	FOXWELL NT301 Code Reader [pdf] User Guide NT301 Code Reader
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References

- [Foxwell Technology Co., Ltd.](#)
- [User Manual](#)

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