CY3001

USER MANUAL

CY3001
Main Menu
1)Diagnose
2)DTC Lookup
3)Bluetooth Mode
4)Tool Setup

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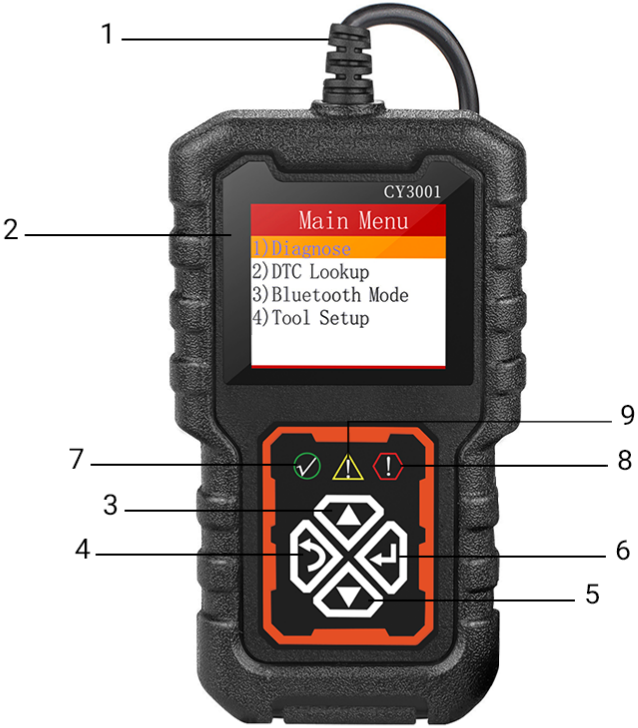
1.Product introduction

CY3001 is a multi-functional vehicle fault diagnosis instrument that supports nine OBD II/EOBD standard protocols. It supports plug and play, can quickly read the vehicle fault information and vehicle parameters. It is a more comprehensive fault diagnosis instrument. Please read the product manual carefully before using this product. Thank you.

2.Notes

1) Do not use abrasive cleaners to clean this product
2) Do not allow this product to be heated or close to fire sources
3) Do not expose the product to direct sunlight for a long time.
4) Do not attempt to disassemble this product to make any modifications,as it does not contain any repair components.
5) Do not use this product in rain.
6) If you do not plan to use this product for a long time, please store it ina dry environment to avoid extreme temperatures and dust.

3.Introduction to product appearance and function keyd


1
2
CY3001
Main Menu
1)Diagnose
2)DTC Lookup
3)Bluetooth Mode
4)Tool Setup
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8
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5

3.1 Product Description

1—Product connecting line, used to connect vehicle OBD interface
2—Display screen, Resolution:160*128
3—Up

4—Back
5—Down
6—Confirm
7—Clear DTC success
8—Current Fault LED
9—Pending Fault LED

4.Product parameters and accessories

4.1 Product parameters

- Working voltage: DC 9-16V
- Operating current: 45~80mA
- Operating environment: -40~65℃
- Storage temperature: -30~70℃
- Overall dimensions: 155*85*25mm

4.2 Product fittings

Packing-box*1 CY3001*1 Instruction*1

4.3 Support Agreements

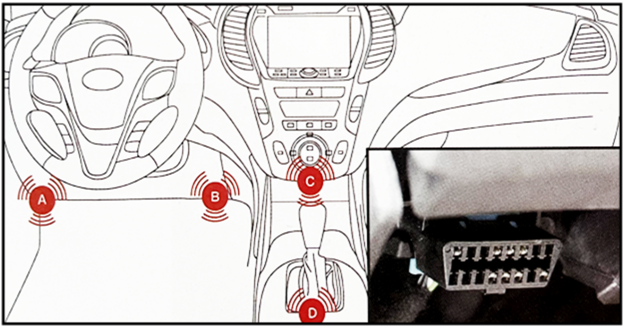
1.SAE J1850 PWM(41.6Kbaud)
2.SAE J1850 VPW(10.4Kbaud)
3.ISO 9141-2(5 baud init,10.4Kbaud)
4.ISO 14230-4 KWP (5 baud init,10.4 Kbaud)
5.ISO 14230-4 KWP (fast init, 10.4 Kbaud)
6.ISO 15765-4 CAN (11bit ID, 500 Kbaud)
7.ISO 15765-4 CAN (29bit ID, 500 Kbaud)
8.ISO 15765-4 CAN (11bit D, 250 Kbaud)
9.ISO 15765-4 CAN (29bit ID, 250 Kbaud)

4.4 Main fuctions

① Support nine OBD II/EOBD standard protocols	⑧ DTC LED
② Read the automobile engine fault code	⑨ Fault code query
③ Clear engine fault code	⑩ Support nine languages: Deutsch、Dutch、English、Spanish、French、Italian、Russian、Chinese、Japanese
④ Vehicle fault freeze frame	
⑤ I/M ready state	
⑥ Vehicle information	
⑦ Automobile data flow	

5. Automobile inspection

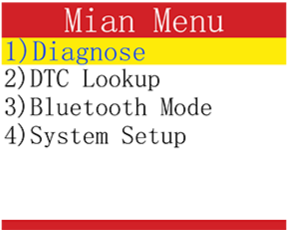
Find the special OBD interface for cars. The positions of OBD interfaces of different models are different (usually located in the inner panel at the lower left of the instrument panel, that is, above the accelerator pedal. For other models, see the figure below)
Start the vehicle after insertion

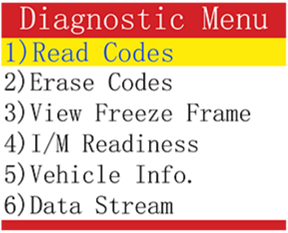


6.Menu Page Introduction

6.1 Test main menu

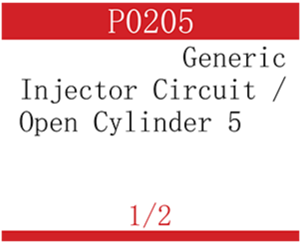
After connecting the vehicle, enter the main page, select the "Diagnosis" menu, and press the OK key to enter the test function page. This menu has 6 test functions, and you can use the direction function keys to move and select.


Mian Menu
1)Diagnose
2)DTC Lookup
3)Bluetooth Mode
4)System Setup


Diagnostic Menu
1)Read Codes
2)Erase Codes
3)View Freeze Frame
4)I/M Readiness
5)Vehicle Info.
6)Data Stream

6.1.1 Code reading

- Select the Read trouble code function and the product will diagnose the automotive engine system
- If the vehicle has an engine failure, the engine failure code and the cause of the failure are read
- If there are multiple fault codes, you can use the up and down buttons to turn the page
- Press the "Back" button to exit


P0205

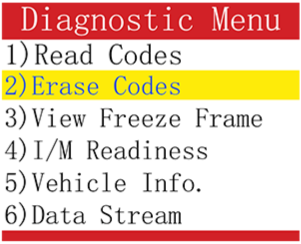
Generic

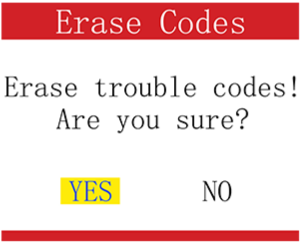
Injector Circuit / Open Cylinder 5

1/2

6.1.2 Erase codes

- Select “Erase Codes” and a confirmation message will appear. After confirming that the fault code is cleared, the vehicle engine fault light
- will go out and the code is cleared successfully
  If the clearing fails, it can be cleared when the engine is powered off


Diagnostic Menu
1)Read Codes
2)Erase Codes
3)View Freeze Frame
4)I/M Readiness
5)Vehicle Info.
6)Data Stream

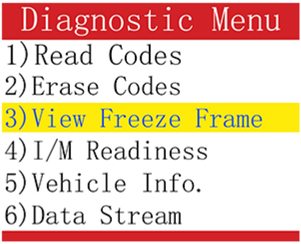

Erase Codes

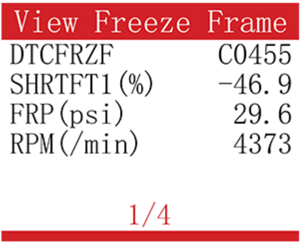
Erase trouble codes!
Are you sure?

YES
NO

6.1.3 Freeze frame

- Freeze frame refers to the snapshot data automatically recorded by the automobile computer when the emission system has a fault code, which is a good function to help determine the cause of the fault


Diagnostic Menu
1)Read Codes
2)Erase Codes
3)View Freeze Frame
4)I/M Readiness
5)Vehicle Info.
6)Data Stream

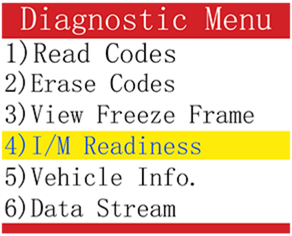

View Freeze Frame

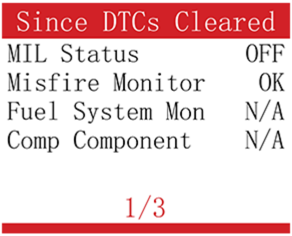
DTCFRZF	C0455
SHRTFT1(%)	-46.9
FRP(psi)	29.6
RPM(/min)	4373

1/4

6.1.4 I/M ready state

- The I/M ready function is used to check whether the car monitor is OK or N/A. During specific driving time (each monitor has specific driving conditions and required time)
- OK means the monitoring test is completed
- INC indicates that the vehicle has not completed monitoring
- N/A means that the modified vehicle does not support this monitoring


Diagnostic Menu
1)Read Codes
2)Erase Codes
3)View Freeze Frame
4)I/M Readiness
5)Vehicle Info.
6)Data Stream

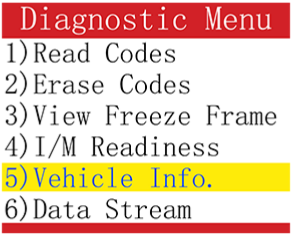


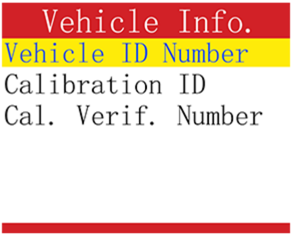
Since DTCs Cleared

MIL Status	OFF
Misfire Monitor	OK
Fuel System Mon	N/A
Comp Component	N/A

6.1.5 Vehicle information

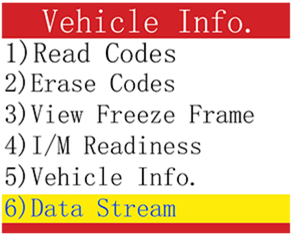
- The vehicle identification code and other information can be viewed after entering the vehicle information

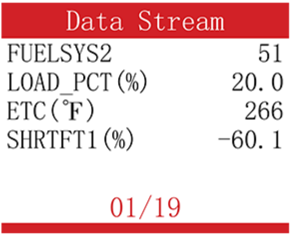

Diagnostic Menu
1)Read Codes
2)Erase Codes
3)View Freeze Frame
4)I/M Readiness
5)Vehicle Info.
6)Data Stream


Vehicle Info.
Vehicle ID Number
Calibration ID
Cal. Verif. Number

6.1.6 Data stream

- After entering the data stream, the product will read the current real-time data stream information of the automobile engine


Vehicle Info.
1) Read Codes
2) Erase Codes
3) View Freeze Frame
4) I/M Readiness
5) Vehicle Info.
6) Data Stream

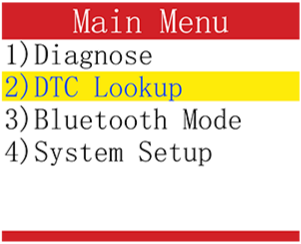

Data Stream

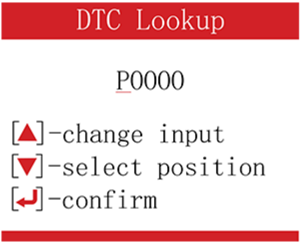
FUELSYS2	51
LOAD_PCT (%)	20.0
ETC (℉)	266
SHRTFT1 (%)	-60.1

01/19

6.2 Query the fault code library

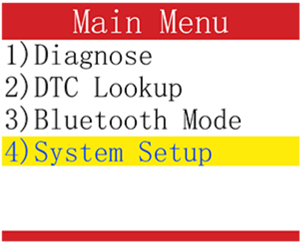
- Enter the query fault code option, the user can use the direction keys to adjust the fault code, turn to the fault code to be queried and select "Ok" to query the fault definition


Main Menu
1) Diagnose
2) DTC Lookup
3) Bluetooth Mode
4) System Setup


DTC Lookup
P0000
[▲]-change input
[▼]-select position
[↵]-confirm

6.3 Settings

- Enter the setting option to adjust the language, unit parameters


Main Menu
1) Diagnose
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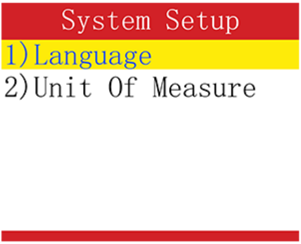
4) System Setup


System Setup
1) Language
2) Unit Of Measure

6.4 Bluetooth User’ s Manual

- **Plug CY3001, Start the vehicle**

  The Bluetooth icon blinks, indicating that the connection is available

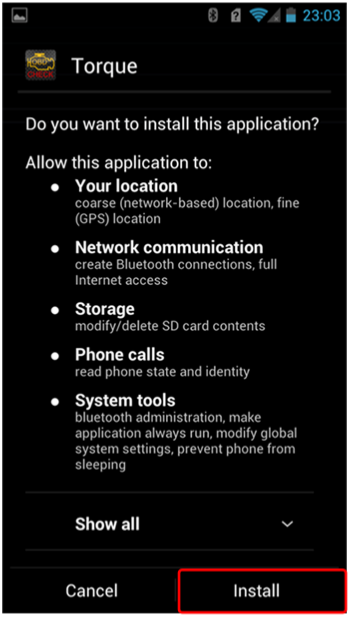
CY3001
Main Menu
1)Diagnose
2)DTC Lookup
3)Bluetooth Mode
4)Tool Setup

6.4.1 Android Connection

1). Install Android Software

a) Scan the QR code and tap For Android to download Torque to your phone

b) Install Software


23:03
Show all
Cancel
Install

Torque

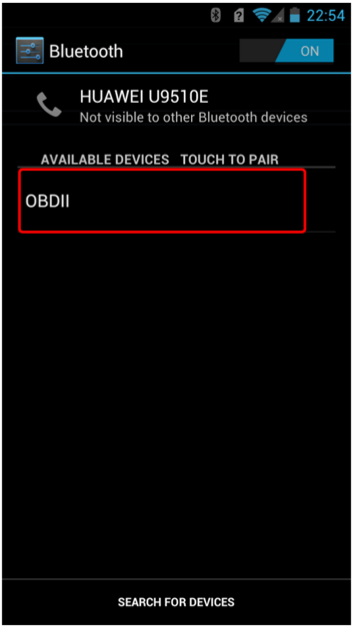
Do you want to install this application?

Allow this application to:

- **Your location**
  coarse (network-based) location, fine (GPS) location
- **Network communication**
  create Bluetooth connections, full Internet access
- **Storage**
  modify/delete SD card contents
- **Phone calls**
  read phone state and identity
- **System tools**
  bluetooth administration, make application always run, modify global system settings, prevent phone from sleeping

2). Connection OBDII

a) Search CY3001 OBDII Bluetooth


22:54
SEARCH FOR DEVICES

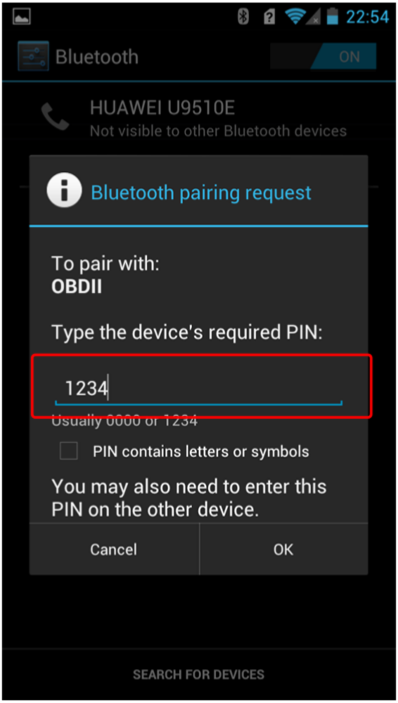
Bluetooth ON

HUAWEI U9510E
Not visible to other Bluetooth devices

AVAILABLE DEVICES TOUCH TO PAIR

OBDII

b)Enter the password "1234"


22:54
Bluetooth
ON
Cancel
OK
SEARCH FOR DEVICES

HUAWEI U9510E

Not visible to other Bluetooth devices

Bluetooth pairing request

To pair with:

OBDII

Type the device's required PIN:

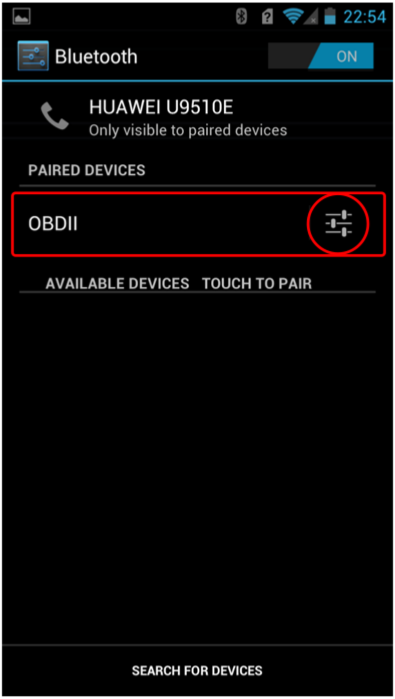
1234

Usually 0000 or 1234

☐ PIN contains letters or symbols

You may also need to enter this PIN on the other device.

c) Connection Success


22:54
Bluetooth
ON
SEARCH FOR DEVICES

HUAWEI U9510E

Only visible to paired devices

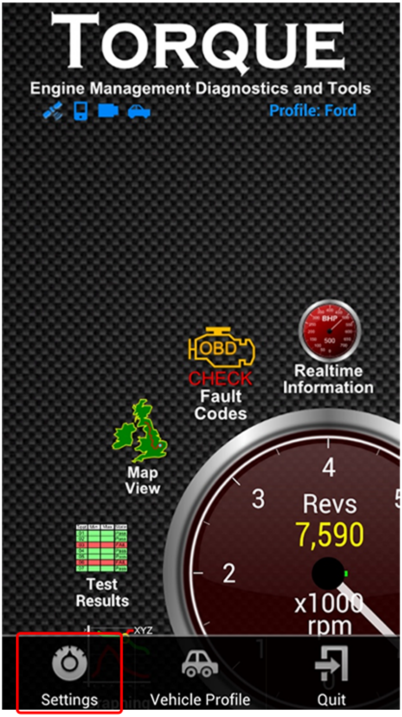
PAIRED DEVICES

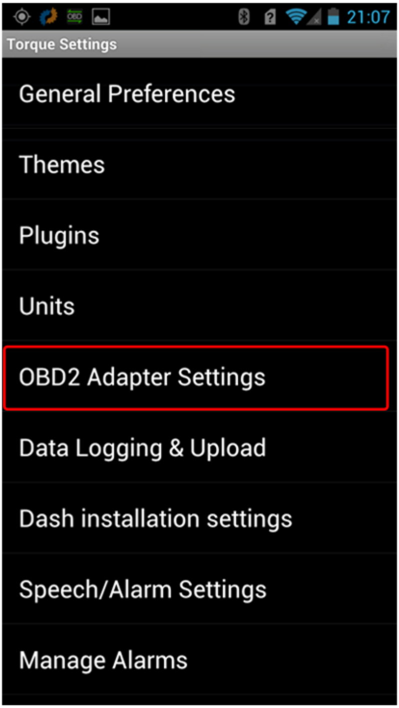
OBDII

AVAILABLE DEVICES TOUCH TO PAIR

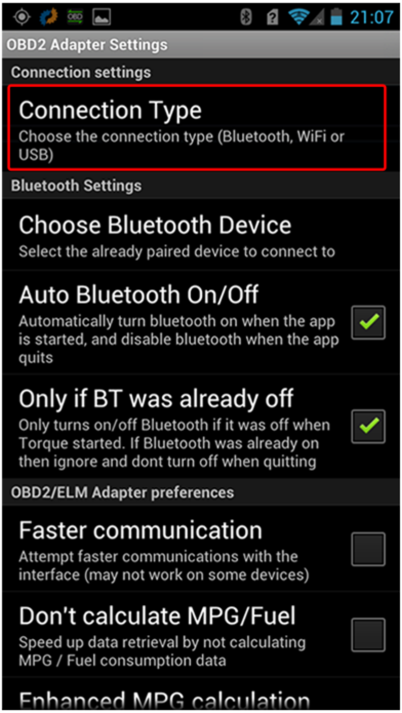
3). Run Software

a) Click Menu button Setting Bluetooth connection


TORQUE
Engine Management Diagnostics and Tools
Profile: Ford
OBD
CHECK
Fault Codes
Realtime Information
Map View
Test Results
Revs
7,590
x1000 rpm
Settings
Vehicle Profile
Quit


21:07
Torque Settings
General Preferences
Themes
Plugins
Units
OBD2 Adapter Settings
Data Logging & Upload
Dash installation settings
Speech/Alarm Settings
Manage Alarms

b) Choose Connection Type is Bluetooth



21:07

OBD2 Adapter Settings

Connection settings

Connection Type
Choose the connection type (Bluetooth, WiFi or USB)

Bluetooth Settings

Choose Bluetooth Device
Select the already paired device to connect to

Auto Bluetooth On/Off ☑
Automatically turn bluetooth on when the app is started, and disable bluetooth when the app quits

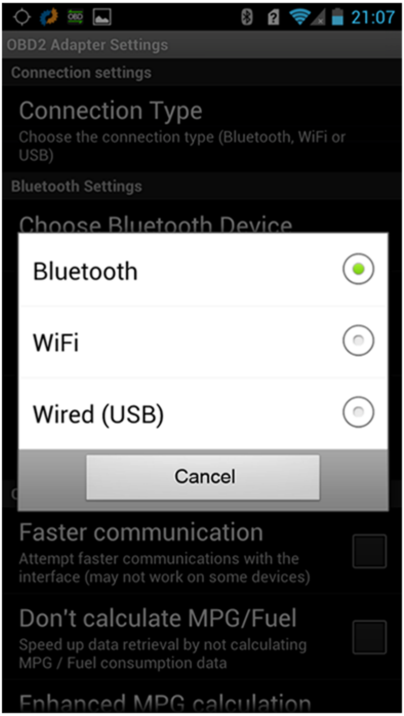
Only if BT was already off ☑
Only turns on/off Bluetooth if it was off when Torque started. If Bluetooth was already on then ignore and dont turn off when quitting

OBD2/ELM Adapter preferences

Faster communication ☐
Attempt faster communications with the interface (may not work on some devices)

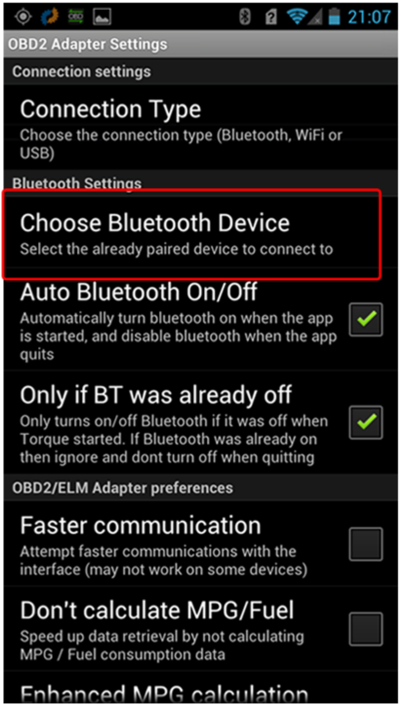
Don't calculate MPG/Fuel ☐
Speed up data retrieval by not calculating MPG / Fuel consumption data

Enhanced MPG calculation



Bluetooth ●
WiFi ○
Wired (USB) ○

c) Choose Bluetooth Device is OBDII



OBD2 Adapter Settings

Connection settings

Connection Type
Choose the connection type (Bluetooth, WiFi or USB)

Bluetooth Settings

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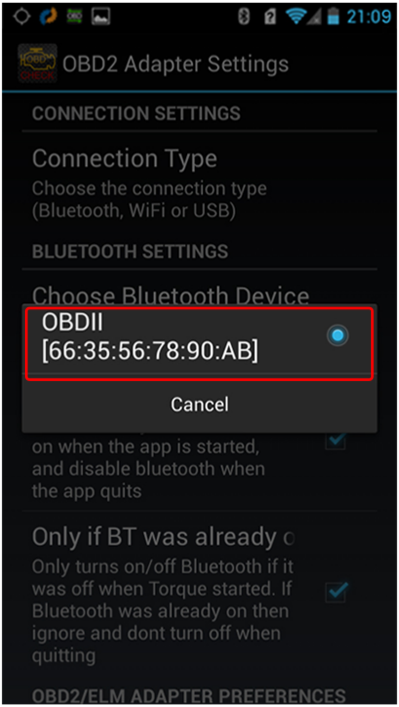


OBD2 Adapter Settings

CONNECTION SETTINGS

Connection Type
Choose the connection type (Bluetooth, WiFi or USB)

BLUETOOTH SETTINGS

Choose Bluetooth Device

OBDII [66:35:56:78:90:AB] ●

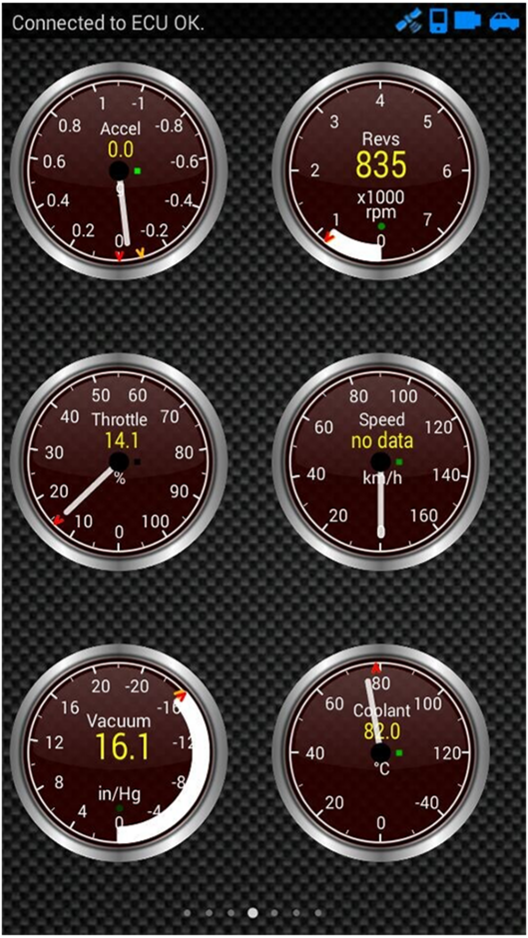
Cancel

on when the app is started, and disable bluetooth when the app quits ☑

Only if BT was already o ☑
Only turns on/off Bluetooth if it was off when Torque started. If Bluetooth was already on then ignore and dont turn off when quitting

OBD2/ELM ADAPTER PREFERENCES

Exit Torque, and re-run the software. Successful connection



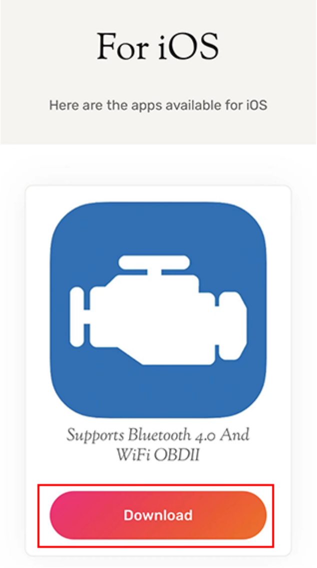
Connected to ECU OK.

Accel
0.0
g
Revs
835
x1000
rpm
Throttle
14.1
%
Speed
no data
km/h
Vacuum
16.1
in/Hg
Coolant
82.0
°C

6.4.2 iPhone Connection

1). Install iOS Software

Scan the QR code and tap "App Store" to download "Car Scanner" to your phone



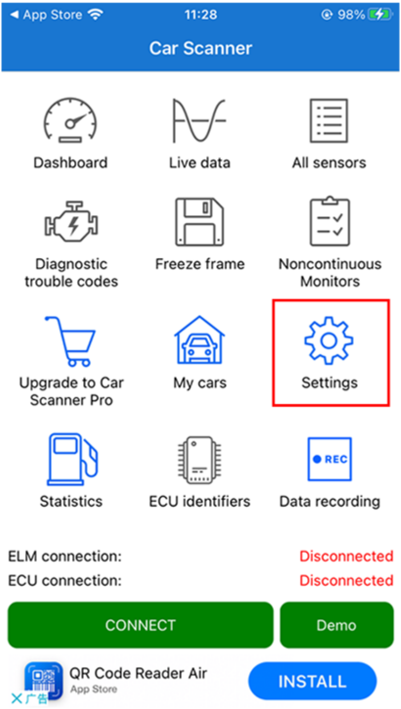
For iOS

Here are the apps available for iOS

Supports Bluetooth 4.0 And WiFi OBDII

2). Connection OBDII

a) Open Car Scanner Click Setting

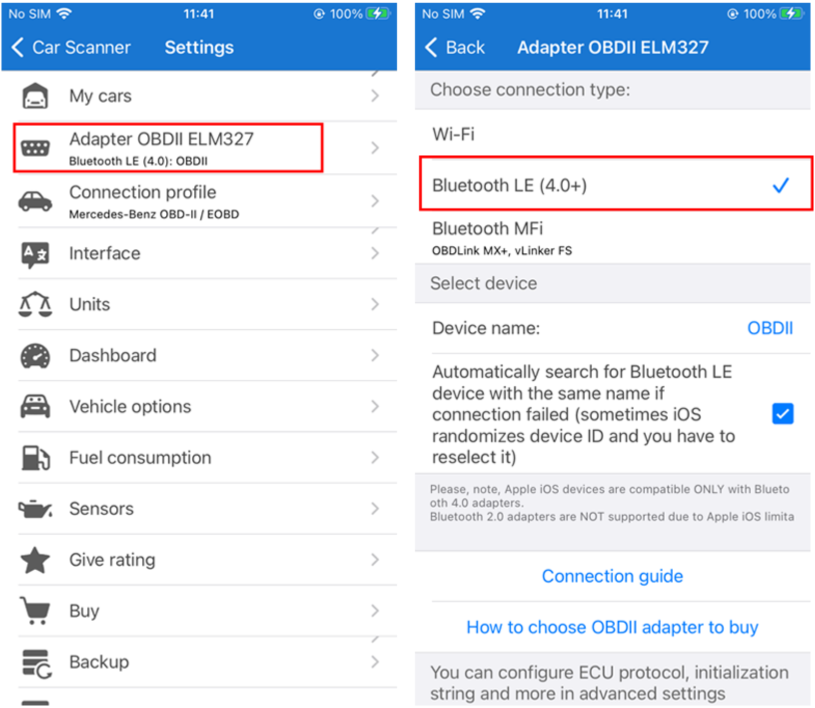


App Store
11:28
98%
Car Scanner
Dashboard
Live data
All sensors
Diagnostic trouble codes
Freeze frame
Noncontinuous Monitors
Upgrade to Car Scanner Pro
My cars
Settings
Statistics
ECU identifiers
REC
Data recording
CONNECT
Demo
QR Code Reader Air
App Store
广告
INSTALL

ELM connection: Disconnected

ECU connection: Disconnected

b) Click Adapter OBDII ELM327 Choose Bluetooth LE (4.0+)


No SIM
11:41
100%
Car Scanner
Settings
My cars
Interface
Units
Dashboard
Vehicle options
Fuel consumption
Sensors
Give rating
Buy
Backup
No SIM
11:41
100%
Back
Adapter OBDII ELM327
Connection guide
How to choose OBDII adapter to buy

Adapter OBDII ELM327
Bluetooth LE (4.0): OBDII

Connection profile
Mercedes-Benz OBD-II / EOBD

Choose connection type:

Wi-Fi

Bluetooth LE (4.0+) ✓

Bluetooth MFi
OBDLink MX+, vLinker FS

Select device

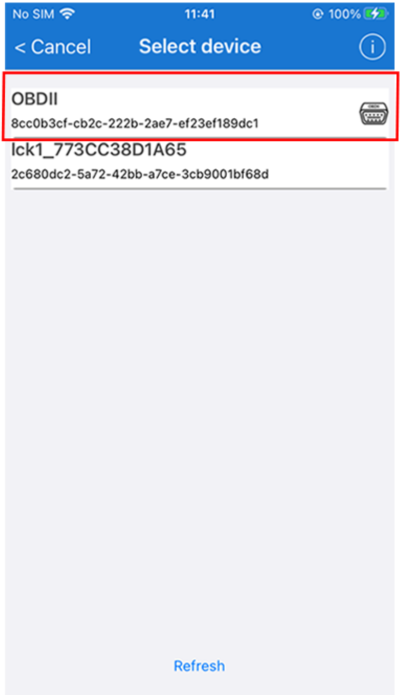
Device name: OBDII

Automatically search for Bluetooth LE device with the same name if connection failed (sometimes iOS randomizes device ID and you have to reselect it) ☑

Please, note, Apple iOS devices are compatible ONLY with Bluetooth 4.0 adapters.
Bluetooth 2.0 adapters are NOT supported due to Apple iOS limita

You can configure ECU protocol, initialization string and more in advanced settings

c) Device name Search for and select CY3001’s OBDII

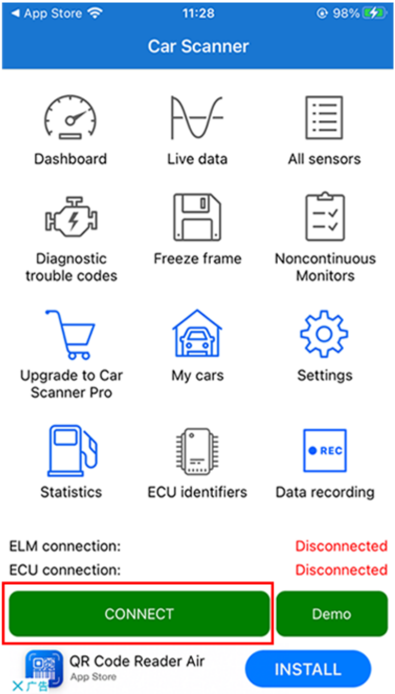

No SIM
11:41
100%
< Cancel
Select device
Refresh

OBDII
8cc0b3cf-cb2c-222b-2ae7-ef23ef189dc1

lck1_773CC38D1A65
2c680dc2-5a72-42bb-a7ce-3cb9001bf68d

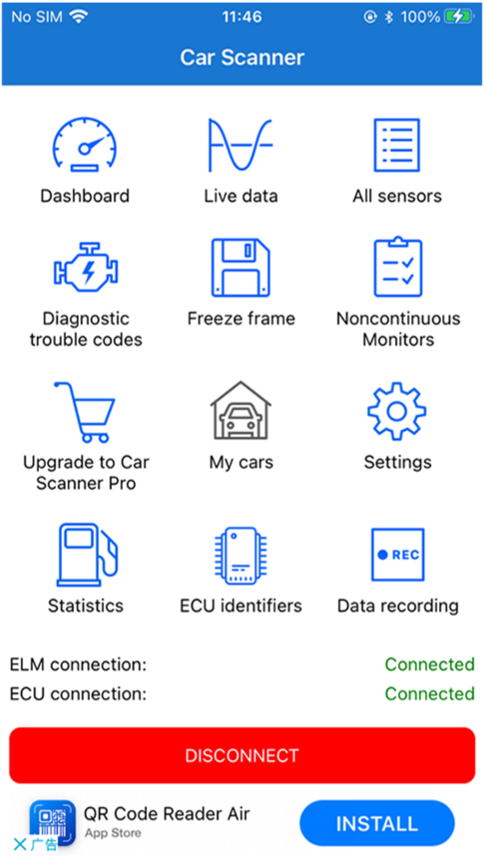
3). Connect

Back Home page Click CONNECT


◂ App Store
11:28
98%
Car Scanner
Dashboard
Live data
All sensors
Diagnostic trouble codes
Freeze frame
Noncontinuous Monitors
Upgrade to Car Scanner Pro
My cars
Settings
Statistics
ECU identifiers
REC
Data recording
CONNECT
Demo
QR Code Reader Air
App Store
INSTALL

ELM connection: Disconnected
ECU connection: Disconnected

4). Successful connection


No SIM
11:46
100%
Car Scanner
Dashboard
Live data
All sensors
Diagnostic trouble codes
Freeze frame
Noncontinuous Monitors
Upgrade to Car Scanner Pro
My cars
Settings
Statistics
ECU identifiers
REC
Data recording
DISCONNECT
QR Code Reader Air
App Store
广告
INSTALL

ELM connection: Connected

ECU connection: Connected

7. Notes

The product is not compatible with new energy vehicles, hybrid vehicles and vehicle types that do not conform to OBD2 agreement

8. Disclaimer

We are committed to providing customers with unparalleled customer support before and after sales. Here are our exemption conditions forproducts :

If any of the following conditions are met, the customer shall not enjoy the policy within the scope of this limited warranty :
a) Abnormal use, abnormal conditions, improper storage, exposure to humidity or unauthorized modification, misuse, negligence, abuse, accident, change, improper installation or other non fault behaviors, including damage caused by transportation.
b) Our company will not be responsible for the product damage caused by external reasons (such as collision with objects) or fire, flood, sand. dust, storm, lightning, earthquake or weather conditions, acts of God irresistible or battery leakage, theft, fuse breaking, incorrect use of any power supply.