

# OBDII

For Mobile

**CARAPP T300**



# Safety precautions and warnings

To prevent personal injury or damage to vehicles and/ or the scan tool, read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle:

- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle.

Operating or observing the tool will cause driver distraction and could cause a fatal accident.

- Operate the vehicle in a well ventilated work area: Exhaust gases are poisonous.
- Don't connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the scan tool dry, clean, free from oil / water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool, when necessary.
- Please pull out the product if you do not drive for a long time, to prevent power consumption on storage battery and other unpredictable safety hazards.

# Major functional characteristics

T300 supports IOS and Android operating system.the product is simple to install,which realizes the perfect combination of technology and use .T300 not only has the traditional trip analysis, fuel consumption testing,checking data stream, and detection of fault code and freeze frame functions ,it added horsepower test function,this will make car owners delighted with it and could hardly bear to put it down.Its vividly virtual meter display and coordinate graphs meet the requirement by the car owners on keeping in-depth knowledge on his car.In horsepower testing module,we can get all kinds of data such as torque ,horsepower,speed and so on.There is a map in this module ,we can also see the driving route from the map.car owners can check and playback history data and share the data with his friends.Performance testing is another bright spot of T300, it can let the car owners know their car performance at any time.

T300 allows owners to know their cars better, it is wise to choose it !

- Setting
- Checking Data Stream
- Horsepower Test
- Fuel Consumption Test
- Performance Testing
- Detection of Fault Code
- Distance Analysis
- and Freeze Frame

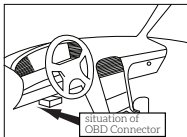
# Product specification

- Specification: 49mm X 27mm X 33mm
- Working voltage: 9~16V DC
- Working current: <40mA@12.9V
- Bluetooth frequency: 2.4GHz
- Bluetooth profile: BLE 4.0
- Operating temperature: -30°C ~+70°C
- Storage temperature: -40°C ~+85°

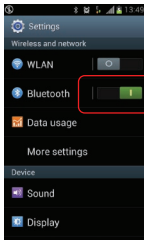


# Operation method

Connecting the hardware with the vehicle, and turn the ignition on.



Make sure the status of bluetooth is "On" in the Setting of your smartphone.



Upon installation the Product in your cell-phone, click "CARAPP" icon to enter the "main menu", slide with your finger and select functional module. Click "setting" module to set the function for the first-time use.



# setting functions

## 1. Connected to the device

Connect with the vehicle-mounted computer



## 2. VIN

Click and enter to "vehicle information" module, you can set your own vehicle information : (model, model year information, vehicle weight, engine displacement, fuel type, fuel price, coefficient of fuel consumption)

model、model year information、vehicle weight、engine displacement  
fuel type、uel price、coefficient of fuel consumption

### 3. Unit

Click and enter to "unit" section,you can set system of unit yourself: (the metric system,Imperial);Currency(US dollars,RMB,Euro,Ruble),gallon unit defaults to 'gallon(US)'

### 4. Alarm

Click and enter to "alarm" section,you can set speed,water temperature, driving time alarm value . when the value exceeds the alarm,there will be voice alarm.

For example: if speed alarm value is set to "120", there will be voice alarm when the speed exceeds 120 km/h.

### 5.Other

Click the 'other' section, select "yes"or "no"to choose 'whether to open the sound'



## horsepower test

Click horsepower test module into the horsepower test page.

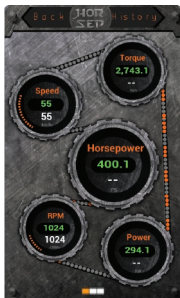
There are three pages in this module. Use your fingers to slide the interface to switch the pages.

1.First page for the torque, speed, horsepower, rotate speed and power

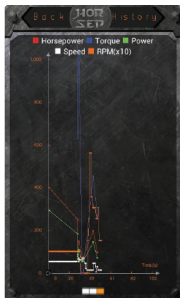
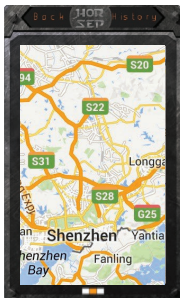
Real-time display the torque, speed, horsepower, rotate speed and power of the car

2.The second page for Gao De map, shows the driving route of the car.

3.The third page for coordinate graph.To display the changes of the torque, speed, horsepower, rotate speed and power by graph.



- Exit the module, there will be cue words :save it or not?According to your need to click 'OK'or 'Cancel'.
- Click the 'history' button to view and playback three pages of history data, and you can use manual progress bar to see any period of record.
- In history data interface , you can click the 'Empty'button to clear the history data.



# Performance test

Click the performance test module into performance page.

- 100km/h performance test: test the speed reaches 100km/h(or Miles/hour)performance.
  - 100m performance test:test the performance of the car traveling 100 meters (or yards).
  - Braking distance: test the performance of the brakes to stop.
  - Custom: Test speed from the start to the end of the speed performance of the car.
- When the vehicle reaches the start speed ,it begin to test,and it will stop the test when the car reaches the terminate speed.



Share: You can send the results of performance tests to Facebook, Sina Weibo, mailbox, sharing driving fun with friends.



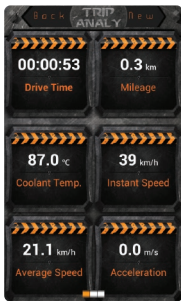
## Trip Analysis

There are three pages in this module. Use your fingers to slide the phone interface to switch the pages.



## Functions in Page 1:

1. "Running time": displaying the running time;
2. "Mileage": displaying the running mileage of the vehicle;
3. "Water temperature": displaying the current water temperature;
4. "Current speed": displaying the current speed of the vehicle;
5. "Average speed": calculating the average running speed;
6. "Acceleration": calculating the velocity change between current second and the last second.



## Functions of Page 2:

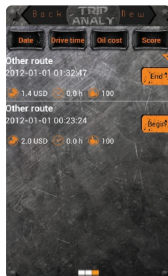
1. "Maximum speed": displaying the maximum speed in running;
2. "Numbers of over-speeding": displaying the numbers of over-speeds in running;
3. "Over-speeding time": displaying the accumulated time of over - speeding;
4. "Idling time": accumulated time of the conditions that the rotational speed is not zero while the velocity is zero;
5. "Fuel consumption": displaying the accumulated fuel consumption in running;
6. "Fuel costs": provide fuel costs according to fuel consumption and fuel price.



### Functions of Page3:

#### 1. The new schedule

- Click on the top right corner of the third page "new",enter the new schedule set up page.
- Click 'add line'fill in the starting point and destination,after that, click the 'add line'button to save
- the new settings.or click 'select line'select the desired route in the list,begin to trip analysis.





## 2. analysis record sort order

In the third page,click the history trip you want to see,you can search for the corresponding stroke analysis record.

## 3. Click to view history stroke analysis record.

## 4. Sharing :

In the analysis of history interface,click 'share' button send the history data to Facebook, Sina Weibo,mailbox,sharing driving fun with friends.

## 5. In the analysis of history interface,click the 'delete'button to delete the stroke analysis of history data.

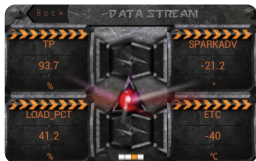
## 6. In the third page,You can click "start"button to accumulate history record.

## 7. The following conditions will stop analysis:

- In stroke analysis page, click the "back" button, you will be prompted "Whether to end the trip"? 'select' OK ' to end the trip and it will save data at the same time.select' cancel 'to exit the module, but the trip analysis still on ;
- In the third page of the stroke analysis,click the "finish" button to finish the trip analysis;
- Enter the "data stream" module, stroke analysis function automatically end, and save the data as well;

## Checking Data Stream

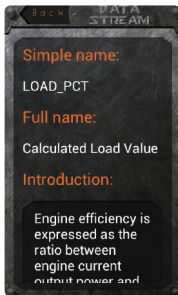
Click "data stream" module and enter this interface, slide the interface to select the mode of single / two/ four square panel and two coordinate graphs for displaying the real-time information of the vehicle.



Non-stop clicking the panel for more than two seconds and enter "data stream selection" interface. The orange character display means supporting displaying the data stream; The white character display

means non-supporting displaying the data stream. Click 'details' button to see an explanation of the data stream.

Click to select the data stream that you want to display, it will show you the real-time information of the desired data stream



# Fuel-consumption Test

Click "fuel-consumption test" and enter the page of fuel-consumption test.

1. "Instant fuel consumption/100 km";

Calculate value of instant fuel consumption/100 km.

2. "Average fuel consumption/100 km":

Calculate value of average fuel consumption/100 km;

3. "Rotational speed": displaying current rotational speed;

4. "Speed": displaying current speed.



5. "Instant fuel consumption/hour"

Calculate value of instant fuel consumption/hour;

6. "Average fuel consumption/hour"

Calculate value of average fuel consumption/hour,

7. "Mileage": display current mileage;

8. "Fuel consumption": display fuel consumption.

Sharing function :

You can also send your fuel consumption report to your Facebook, Sina Weibo, and mailbox to share with your friends.

# Fault Diagnosis

Click the "fault diagnosis" module, enter the page of fault diagnosis.

Retrieves vehicle information (car name, fuel type, VIN ,time) fault code and freeze frame data.



## 1. Save function

Click the "save" button, save the current fault diagnosis data.

## 2.Remove function

Click the "clear" button, clear the temporary fault codes and freeze frame.

## 3.History data

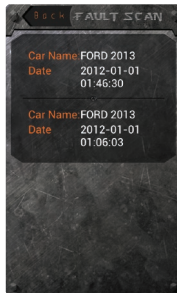
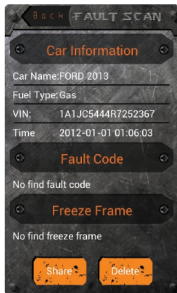
Click on the "history" button, enter the page of history data.Display the detailed history of the condition of the car.

- Sharing function

In the history interface,click the 'share' button send fault diagnostic data to Facebook, Sina Weibo, and mailbox to share with your friends.

- Delete

In the history interface ,click "delete" button to delete the history diagnostic data.





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**Federal Communications Commission (FCC) Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**RF exposure warning**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.