CARAPP V100
CARAPP V100 can be used to read fault codes, clear fault codes, display real-time information, test fuel consumption, analyze trip for OBDII supported car, and able to alarm unsafe driving behavior through voice prompt by Bluetooth and vehicle terminal communication in Android operating system mobile.
Main Features:

With Bluetooth wireless communication technology and the operation experiences of phone touch in software, technology and usage is combined perfect in this product. The virtual instrument interface meets the owners desire for learning about the car; sensor parameters is simple to use while car is moving. The fuel consumption test, allow owners to drive more economical and environmental. Trip analysis makes driving much funny; voice prompt of overspeed or fatigue driving make your driving safer.
HOW TO USE
After installing the software on the phone, you can click the CARAPP icon to enter the main menu, and slide the menu by your finger to select the function modules. If this is the first time, you can click on the "Setting" to enter the set-up menu.
Setting

Bluetooth enabled
Bluetooth feature turned on?
YES

Match
The phone with OBDAPP
Match ok?
YES

Connected to the ECU
The phone and OBDAPP to establish a connection it?
YES

Speed alarm
Alarm when the Speed over the following values:
120 km/h

Water temperature alarm
When the water temperature over value alarm:
110 °C

Driver fatigue alarm
Alarm when driving longer than the following values:
1. Setting

① Bluetooth Enabled

Reminder: Bluetooth feature turned on? It shows "YES" when the bluetooth has turned on, if not, it shows "No".

② Match

Reminder: the phone OBDAPP Match ok? Click the right key to enter the match interface. Choose the matched hardware encoding for Bluetooth pairing. It shows "YES" when the bluetooth has been paired, if not, it shows "No".
**Note:** when using this product, the onboard computer to pair.
Click 'Bluetooth devices' search for Bluetooth devices.
Will be shown paired Bluetooth devices.
Click a Bluetooth device, enter the Bluetooth pairing request page. Enter the password, and click to confirm the pairing.
③ **Connected to the ECU**

**Reminder**: The phone and OBDAPP to establish a connection it?

"Query Bluetooth connection "window will pop up after clicking on the right key
Choose the matched hardware encoding for Bluetooth pairing.
It shows "YES" when the bluetooth has been paired, if not, it shows "No".

④ **Speed Alarm**

**Reminder**: Alarm when the Speed over the following values:
"Reminder" window will pop up after clicking on the right key.
You can input speed alarm value, and then click "OK".
For example, after you entered "120", it will be overspeed alarm voice prompt when the speed is over 120 kilometers per hour.
⑤ Water Temperature Alarm
Reminder: when the Water Temperature over value alarm:
"Reminder" window will pop up after clicking on the right key.
You can input water temperature alarm value, and then click "OK".
For example, after you entered "110", it will be water temperature alarm voice prompt when the speed is over 110℃.

⑥ Driver Fatigue Alarm
Reminder: alarm when driving longer than the following values:
"Reminder" window will pop up after clicking on the right key.
You can input Fatigue driving alarm value, and
then click "OK". For example, after you entered "3", it will be fatigue driving alarm voice prompt when the speed time is over 3 hours.

⑦ Alarm Settings

Reminder: Turn on or turn off the alarm: click the "√" to turn on, and click the choice box again to turn off in selection choice box on the right side.
setting

Speed alarm
Alarm when the Speed over the following values:
120 km/h

Water temperature alarm
When the water temperature over value alarm:
110 °C

Driver fatigue alarm
Alarm when driving longer than the following values:
3 h

Alarm settings
Turn on or turn off the alarm
Open

Engine displacement
Engine displacement
1.6

Fuel Price
Setting fuel price
8.5 RUBLES

Currency
⑧ **Engine displacement**

**Reminder**: Engine displacement
"Reminder" window will pop up after clicking on the right key.
You can input engine capacity value, and then click "OK".
For example, you entered "1.6", so the engine capacity value is 1.6.

⑨ **Fuel Price**

**Reminder**: Set the fuel price
"Reminder" window will pop up after clicking on the right key.
You can input fuel price value, and then click "OK".
For example, you entered "8.5", so the unit of account of engine capacity is 8.5.
Currency

Reminder: Select the currency:
After clicking the unit of currency button on the right side, it will pop up the currency selection window, so that you can select the monetary unit.
Panel style
Reminder : Setting panel style:
Style Category : Black
Style Category : Red

Click to select the real-time information on the instrument display style
2. **Real-Time Information**
Clicking the "Real-Time Information" module enter into the interface, you can slide the interface to select the single dial, two dials, six dials or six square dials to show the real-time vehicle information. If you click on the instrument panel more than 2 seconds, it will enter into the "Data stream selection" page.
The fingers continuous click on the instrument panel enters the stream selection page for more than 2 seconds.
Do support the this data stream is showed in green font, and do not support the data stream is showed in white font. The instrument will display the real-time information of the data stream when you select data stream items which you want.
For example, select the ‘Short Term Fuel Trim—Bank 1’
The Stream Selection

Engine:

- Calculated LOAD Value
- Engine coolant Temperature
- Short Term Fuel Trim-Bank 1
- Air Flow Rate from Mass Air Flow Sensor
- Absolute Throttle Position
- Fuel Level Input
- Evap System Vapor Pressure
- Barometric Pressure
- Control module voltage
Air-fuel:

Fuel Rail Pressure (gauge)
Intake Manifold Absolute Pressure
Engine RPM
Vehicle Speed Sensor
Ignition Timing Advance for #1 Cylinder
Intake Air Temperature
Select live data

Fuel Rail Pressure (gauge)

Intake Manifold Absolute Pressure

Engine RPM

Vehicle Speed Sensor

Ignition Timing Advance for #1 Cylinder

Intake Air Temperature

Engine  Air-fuel
3. **Vehicle in self-test**
Clicking the "vehicle in self-test" module to enter into the page.
① Readiness Test
Click "Readiness Test" button to enter the page.
The green reminder: finished test
The red reminder: unfinished test
The gray reminder: the vehicle does not support the test

② **Fault Scan**
Clicking the "Fault Scan" button to get into the page.

Yellow icon shows the determined fault, and the red one shows the current failure.
Clicking "Remove" button to remove the fault code.
③ **Failure Snapshot**

Clicking the "Fault Snapshot" button to enter the page. And then it shows the momentary information of vehicle you can hold current data by clicking "Save" button.

![Fault Snapshot](image)
Fault Snapshot

Car Names: null
Fuel: null
VIN: null
Time: 2012-10-30 10:00:55

Fault code:
P0108: Manifold Absolute Pressure/Barometric Pressure Circuit High
P0123: Throttle/Pedal Position Sensor/Switch A Circuit High
P0223: Throttle/Pedal Position Sensor/Switch B Circuit High
P2649: A Rocker Arm Actuator Control Circuit High Bank 1
P2122: Throttle/Pedal Position Sensor/Switch D Circuit Low
P2127: Throttle/Pedal Position Sensor/Switch E Circuit Low
U0155: Lost Communication With Instrument Panel Cluster (IPC)
Control Module
U0122: Lost Communication With Vehicle Dynamics Control Module

Archive
4 Historical Data

Clicking the "Historical Data" button to enter the page. It shows all the data list which you saved before.

You can click to select a data item list to enter into the "Diagnostic Report" page, and it will display the historical vehicle condition information.
**Historical data**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-10-30</td>
<td>10:02:27</td>
</tr>
<tr>
<td>2012-10-30</td>
<td>10:02:19</td>
</tr>
<tr>
<td>2012-10-29</td>
<td>16:27:16</td>
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<tr>
<td>2012-10-29</td>
<td>10:56:16</td>
</tr>
<tr>
<td>2012-10-29</td>
<td>10:53:18</td>
</tr>
</tbody>
</table>

**Diagnostic reports**

- **Car Names**: null
- **Fuel**: null
- **VIN**: null
- **Time**: 2012-10-30 10:00:55

**Fault code**:
- P0108: Manifold Absolute Pressure/Barometric Pressure Circuit High
- P0123: Throttle/Pedal Position Sensor/Switch A Circuit High
- P0223: Throttle/Pedal Position Sensor/Switch B Circuit High
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- P2122: Throttle/Pedal Position Sensor/Switch D Circuit Low
- P2127: Throttle/Pedal Position Sensor/Switch E Circuit Low
- U0155: Lost Communication With Instrument Panel Cluster (IPC) Control Module
- U0122: Lost Communication With Vehicle Dynamics Control Module
- P0102: Mass or Volume Air Flow A Circuit Low
4. Fuel Consumption Test
Clicking the "Fuel Consumption Test" button to enter the page.
There are two pages in the module, you can use finger to slide interface for page changing.
The functions in the first page as following:

① "Momentary Fuel Consumption in litres/ 100 km":
calculated the momentary value of fuel consumption per 100 km.
② "Vehicle Speed":
Displays the current speed.
③ "Revolving Speed":
Displays the current revolving Speed.
④ "Average Fuel Consumption in litres/ 100 km":
calculated the average value of fuel consumption per 100 km.
The functions in the second page as following:

① "Momentary Fuel Consumption in litres/1 hour":
calculated the momentary value of fuel consumption per hour.
② "Mileage":
Displays the current miles.
③ "Fuel Consumption":
display the fuel consumption values
④ "Average Fuel Consumption in litres/1 hour":
calculated the average value of fuel consumption per hour.
Note: The function of calculation starts from entering the fuel consumption test page until exit the module.
5. Trip Analysis
Clicking the "Trip Analysis" module to enter the page. There are three pages in the module, you can use finger to slide interface for page changing.
The functions in the first page as following:

① "Drive Time": Displays the time of your driving.
② "Mileage": Displays the miles of your driving.
③ "Water Temperature": Displays the current water temperature
④ "Current Speed": Display the current speed of the vehicle
⑤ "Average Speed": Calculates the average speed of the vehicle
⑥ "Acceleration": Calculates the velocity change between this second and last second.
The functions in the second page as following:

① "Maximum Speed": Displays the maximum speed in the driving process
② "Overspeed Frequency": Displays the number of overspeed in the driving process.
③ "Overspeeding Time": Displays the cumulative overspeed time.
④ "Idle Time": Revolving speed is not zero, but accumulated from the zero state speed.
⑤ "Fuel Consumption": Displays the aggregate value of fuel consumption in your driving process.
⑥ "Fuel Costs": Calculates the oil price according to the fuel consumption and fuel costs.
Note: The function of calculation starts from entering the Trip Analysis page until exit the module. It will remind you to choose save or not. If choose hold the data, those data will be hold in the third page of Trip Analysis.

You can check the historical trip analysis data in the "Trip Analysis" sub page.
6. Maintenance Records
Clicking the "Maintenance Records" button to enter into the page.
① **Add Maintenance Records**
Filling in vehicle maintenance, mileage and maintenance items, then click the "Add" button to save data.

![Add records interface](image)
<table>
<thead>
<tr>
<th>Item</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Oil</td>
<td>✅</td>
</tr>
<tr>
<td>Engine Oil Filter</td>
<td></td>
</tr>
<tr>
<td>Fuel Filter</td>
<td>✅</td>
</tr>
<tr>
<td>Air Filter</td>
<td></td>
</tr>
<tr>
<td>Cabin Filter</td>
<td></td>
</tr>
<tr>
<td>Gearbox Oil + Gearbox cleaning</td>
<td></td>
</tr>
</tbody>
</table>
Add records

Mileage: 120

Items:
- Engine Oil
- Fuel Filter

Add

Added successfully
② **Check maintenance records**
Click to view the historical maintenance records.
Click the “Delete” button to delete the maintenance records; Click the “Back” button to return to the previous page.
=> Specifications

- Specifications: 49mm X 27mm X 33mm
- Operating voltage: 8-22V
- Operating temperature: 0°C - 80°C (32-176°F)
- Storage temperature: -20°C - 70°C (-4-158°F)
- Accessories: installation CD, product packaging, manual