

MA98414



# VEHICLE SYSTEM MONITOR Bluetooth 4.0 Operation Manual



Matson is a registered brand of Tridon Australia.

## 1.0 Product Specifications

Bluetooth name	OBD
Connection	No password, automatic
Operating Temperature	-15 to 100 Deg Celsius
Plastic	Automotive Grade
Physical Dimensions	4.8 x 2.6 x 2.2 cm

## 2.0 Supported Devices

iOS (iPhone 4S, 5, 5C, 5S and 6 and 6S onwards/iPad 2, iPad Air, iPad mini, iPad mini 2)

Android 4.3 (support for Bluetooth 4.0 phones) and onwards

## 3.0 Description

The MA98414 is capable of communicating with vehicles which use the following protocols:

- SAE J1850 PWM (41.6Kbaud)
- SAE J1850 VPW (10.4Kbaud)
- ISO9141-2 (5 baud init,10.4Kbaud)
- ISO14230-4 KWP (5 baud init,10.4 Kbaud)
- ISO14230-4 KWP (fast init,10.4 Kbaud)
- ISO15765-4 CAN (11bit ID,500 Kbaud)
- ISO15765-4 CAN (29bit ID,500 Kbaud)
- ISO15765-4 CAN (11bit ID,250 Kbaud)
- ISO15765-4 CAN (29bit ID,250 Kbaud)
- SAE J1939 CAN (29bit ID,125\*Kbaud)
- USER1 CAN (11\*bit ID,125\*Kbaud)
- USER2 CAN (11\*bit ID,50\*kbaud)

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## 4.0 Vehicle Information

The following are examples of information that can be provided by the MA98414:

Vehicle Speed	Average Speed	RPM
Fuel Consumption	Engine Coolant Temp	Engine Load
Mileage	Time	Date
Top speed	Top RPM	

Diagnosis and clearance of fault codes, reset MIL (Malfunction Indicator Lamp) light, engine sensor status, I/M (inspection & maintenance) warnings and notifications, freeze frame etc.

Trip data for each day and month, and aggregated statistics for both.

Maintenance records and reminders for battery, tires, brake pads, brake fluid, coolant, timing belt, oil changes, spark plugs, transmission oil, filters etc.

## 5.0 Vehicles Supported

All OBD2 & EOBD compliant vehicles with a 16-pin Interface (most vehicles from the year 2000 onwards)

CAN, VPW, PWM, ISO9141, KW2000 protocol compliant vehicles (including those equipped with next-generation protocol Control Area Network)

Some 1994 and 1995 models are also supported. To see if your vehicle is compliant, look for this connection port, usually under the dash (sometimes on the passenger side):



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## 6.0 Compatible Software

Where can I get the software?

- 1) Search the App name **OBD Plus** at the App store or Google Play store
- OR
- 2) Scan the QR code on the product or packaging, which will direct you to the relevant app store (you will need a QR code scanner for this option)



## Connecting the Diagnostic tool

- 1) Turn the vehicle ignition on and make sure Bluetooth is enabled on your phone or device.



**Note: You do not need to search for the device, it will connect automatically when the app is opened, as long as you are within range of the device – roughly 10 meters**



- 2) Locate and plug the MA98414 into the OBD port in your vehicle. The LED light on the MA98414 should flash.
- 3) Make sure vehicle is not in gear, then start the engine.
- 4) Open the App on your phone, it will connect to the MA98414.

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Several messages may be displayed when the App starts and checks the connection to the device:

**Cannot find OBD** – Check that OBD appears in the phones list of Bluetooth devices. If not, check the light on the MA98414 is flashing. If it isn't, please check the unit is connected to the OBD port properly.

**Connect Bluetooth fail** – Same as above, check the Bluetooth list and device installation, re-install device if required.

**Connect Bluetooth success** – Great!

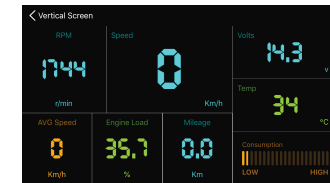
**Connect OBD success** – Great!

Usually, if the MA98414 is plugged in correctly, the Bluetooth device list will display the device name: **OBD**

## 7.0 Operation

### Dashboards

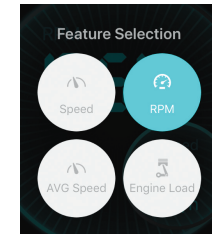
Once connected, you should see this default dashboard screen; You have a choice of display: Vertical (right) or Horizontal (below) Change between them by pressing the Landscape and Vertical buttons.



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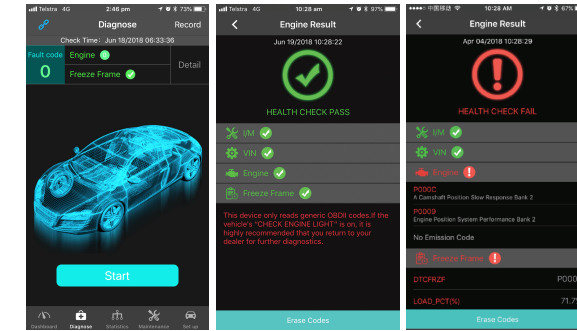
Touching either of the display rings in the center of the dashboard will allow you to choose the information displayed in the rings from these options (right):



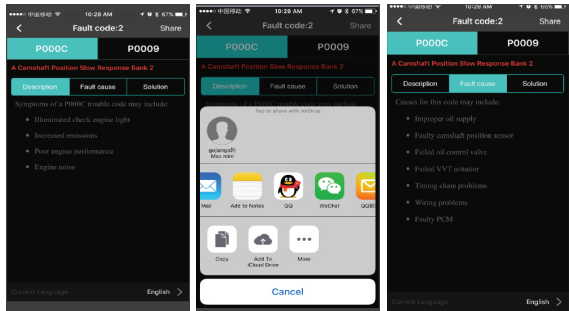
### Diagnosis

**Warning! This device only reads generic OBDII codes. If the vehicle displays the "CHECK ENGINE LIGHT" it is highly recommended to return to your dealer or qualified mechanic for further analysis.**

Select diagnose, then press start, and wait as the test runs for a few seconds. You will see the screen scan the vehicle, and then return either a Pass or Fail as below



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## 8.0 Statistics

The device lets you look at both aggregated monthly stats and specific daily stats by touching "Month" or "Day" at the top of the screen.

### Monthly:

This screen displays the totals and averages for the current month. Scroll back to previous monthly results by pressing the back button beside the month Name and Year near the top of the screen. Touch any of the dials on the screen to see detailed monthly results in graph form for each category.



Test results will include a test score and list the error codes.

Touch the error code to get a detailed description, potential causes and possible remedies.

The fault code can be shared digitally via your choice of compatible smart device app e.g. Messenger, Text, e-mail, Whatsapp.

Codes can then be erased and cleared by touching "ERASE CODES" at the bottom of the "ENGINE RESULT" screen.

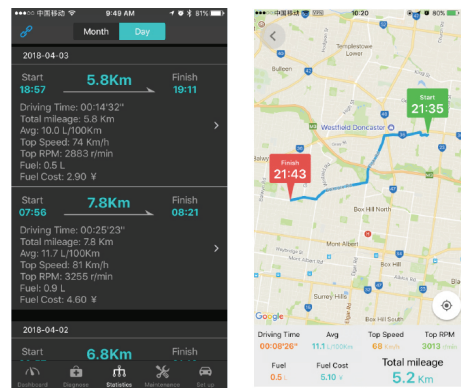
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### Daily:

The daily statistics break down the information from each trip, every day. Time, distance, Avg fuel consumption (L/100Km), actual fuel consumption (L), fuel cost, top speed and top RPM. Touch the trip record and the journey will be displayed start to finish in Google Maps™ (for this data to be recorded, the app must be running during the trip).

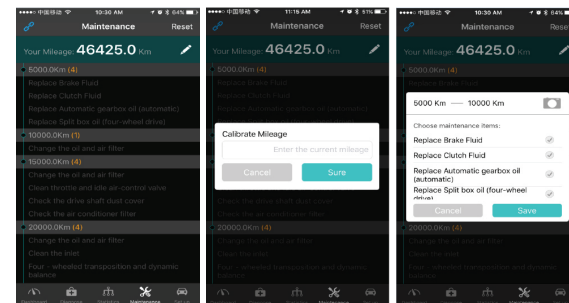
**Note: Vehicle and location data is not collected, stored, sold or provided to third parties by Tridon Australia, or the app developers.**



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## 9.0 Maintenance

This feature allows for records and reminders of maintenance activities. Set reminders at regular Km intervals for standard servicing for things like your battery, tires, brake pads, brake fluid, coolant, oils, timing belt, spark plugs, filters etc.



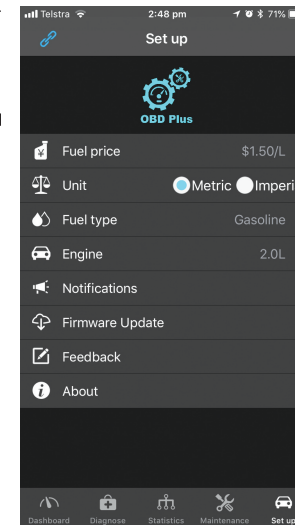
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## 10.0 Setup

Use this to set the parameters for your vehicle such as current fuel price, unit of measure, fuel type, engine size, engine temp notifications, maintenance reminders, firmware updates and feedback etc.

### Note:

The MA98414 device will turn off and on as the vehicle is switched off and on, and will not drain the battery while the car is turned off.



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## 11.0 Warranty Information

Products developed and sold by Tridon Australia Pty Ltd come with a guarantee for the reasonable life of the product, for the purpose it is commonly used. This is in addition to the rights of the consumer under the Australian Consumer Law. To be considered for warranty please take the product with proof of purchase to the store where you purchased the product or contact Tridon Australia.

The warranty is given by:  
Tridon Australia, 21-25 Derby St,  
Silverwater, NSW 2128.  
Tel: 1300 362 263  
Email: mail@tridon.com.au

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage incurred if the product fails when used for the purpose for which it was intended. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Tridon Australia will bear costs associated with claiming legitimate warranties. Proof of expenses incurred must be submitted to Tridon Australia Pty Ltd.

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