D0904 OWNER'S MANUAL

一、   The dashboard consists of the Monitor(1), the Data Processing Unit(DPU)(2), and

several different types of Sensors. There are two types of Power Cords. Power Cord A(3) can be plugged into the car's cigarette lighter. Power Cord B(4) can be integrated directly into the car's circuit. The DPU receives and processes data transmissions from the Sensors, and sends the processed data to the Monitor via Bluetooth. The Sensors consists of the Oil Pressure Sensor(5), the Water Temp Sensor and Oil Temp Sensor(6), Boost Gauge Sensor(7) and its Accessories(8), Exhaust Gas Temp Sensor(9) and its Accessories(10), Sensor Wires(11) and the Monitor Stand(12).

二、   The Monitor has two sockets, one is on the left edge and the other is on the right edge,

only one socket can be connected to a cord at a time. The sockets are MiniUSB sockets. (IMPORTANT: This socket is incompatible with normal MiniUSB cords, specialised cords must be used. Usage of incompatible cords may damage the device.)

三、   The Monitor has four buttons, positioned on the left and right side, two on each side.

Upper-left button reads "***Menu/OK***", it is used to bring up the Settings Menu, execute the "confirm" action and other functions. Lower-left button reads "***Exit/Cancel***", it is used to Exit the Settings Menu and execute the "cancel" action. Upper and Lower-right buttons are

"↑"、"↓" buttons respectively. They are used to scroll through options and altering the

options when they are selected.

四、　　The light sensor is positioned on the top middle of the Monitor. The backlight of the

screen will change in response to the brightness of the environment, there are a total of 4 brightness levels. Two symmetrical rows of LED lights are positioned at the front of tilted edges on the **Monitor**, they will turn on from bottom up as the RPM increases. The colour of the four pairs lights are "green", "green", "yellow", "red".

五、　　Wiring the Sensor and DPU

The DPU has 11 sockets, as shown below. Sockets 1 to 11 are connected to the devices with corresponding numbers:

1. spare socket
2. spare socket
3. power
4. Boost sensor
5. Oil Pressure sensor
6. Air Fuel Ratio sensor
7. Oil Temp sensor
8. Water Temp sensor
9. Exhaust Gas Temp sensor
10. RPM (green wire) and Speed meter (red wire)
11. spare socket

六、Before connecting to power, start the engine of the car. After connecting to power, the

Monitor will search for the DPU automatically and establish connection. Before the connection is established, the **Monitor** should look like this:

七、When the connection between the **Monitor** and the **DPU** is established, and the dashboard is receiving the sensor data successfully, it will switch to the normal display, as shown below:

1. RPM
2. Speed
3. Oil Pressure
4. Air Fuel Ratio
5. Turbo
6. Coolant Temp
7. Voltage
8. Time
9. Multi-purpose display section. Displays the date by default. The display can be changed by using the "↑" and "↓" button.

八、 By pressing the "↑" and "↓" button the multi-purpose display section can display different data:

Press the "↓" button to display to the RPM

Press the "↓" button again to display the Oil Pressure

Press the "↓" button again to display the Oil Temp

Press the "↓" button again to display the Exhaust Gas Temp

The multi-purpose display will memorize which data has been selected to be displayed, and will display that data the next time when it is connected to power.

九、 Press and hold the "***Menu/OK***" button to access the Settings Menu. See the figure below.

Now press the "↑" and "↓" button to select the setting that you want to adjust, press the "***Menu/OK***" button to begin adjusting the selected setting. Press the "***Exit/Cancel***" button to exit Settings Menu, and return to the normal display. The adjustable settings are:

1-SET DATE

2-SET TIME

3-SET UNIT (select to change the measurement unit for pressure)

4-SET LED (select to turn the LED on and off)

5-SET ALARM (select to adjust the speed limit alarm)

6-SPEED CAL (select to calibrate the speed)

Each setting will be explained below:

1. Press and hold the "***Menu/OK***" button to access the Settings Menu, then press "↓", the Monitor shows "**1-SET DATE**", press the "***Menu/OK***" button again to enter the date settings, as shown below:

The bottom row displays the current "**date-month-year**". A dot is located at the bottom right corner of the "date" section. Now press the "↑" and "↓" buttons to adjust the date. When you finish adjusting the date, press "*Menu/OK*" to move dot to the bottom right corner of the "**months**" section. Now press the "↑" and "↓" buttons to adjust the month. When you finish adjusting the month, press "*Menu/OK*" to move dot to the bottom right corner of the "**years**" section. Now press the "↑" and "↓" buttons to adjust the year. When you finish adjusting the year, press "*Menu/OK*" to confirm the action and return to the **Settings Menu**. If you make a mistake in the previous date selection, you can press the "*Exit/Cancel*" button to move the dot backwards, until you exit the setting.

2. Press the "↓" button again to display "**2-SET TIME**",

press the "*Menu/OK*" button again to enter the time settings, as shown below:

Adjust the "**hour-minute-seconds**" by moving the bottom right dot and using the "↑" and "↓" buttons. When you finish adjusting the time, press "***Menu/OK***" to confirm the action and return to the **Settings Menu**.

3. Press the "↓" button again to display "**3-SET UNIT**",

press the "***Menu/OK***" button again to enter the unit settings, as shown below:

The **Monitor** displays the current pressure unit by default(PSI), press the "↑" and "↓" buttons to switch between "PSI" and "BAR". Press the "*Menu/OK*" button to save the change, or press the "*Exit/Cancel*" button to cancel the action.

4. Press the "↓" button again to display "**4-SET LED**",

press the "*Menu/OK*" button again to enter the LED settings, as shown below:

The **Monitor** displays the current LED status. Press the "↑" and "↓" buttons to switch between "ON" and "OFF". (When the LED is selected "ON", the four pairs of LED lights on the front of the dashboard will light up as the RPM increases.)

A. When LED is selected "ON", press the "*Menu/OK*" button to set the RPM value for each pair of lights. See the figure below:

When setting the RPM value for the first pair of green lights, press the "**Menu/OK**" button to move the bottom right dot to the next digit, use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot.

B. When finished, press "**Menu/OK**" to save, and the Monitor will display the RPM value for the second pair of green lights, as shown below:

Press the "**Menu/OK**" button to move the bottom right dot to the next digit, use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot.

C. When finished, press "**Menu/OK**" to save, and the Monitor will display the RPM value for the pair of yellow lights, as shown below:

Press the "*Menu/OK*" button to move the bottom right dot to the next digit, use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot.

D. When finished, press "*Menu/OK*" to save, and the Monitor will display the RPM value for the pair of red lights, as shown below:

Press the "*Menu/OK*" button to move the bottom right dot to the next digit, use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot.

When finished, press "*Menu/OK*" to save, and you will be brought back to the **Settings Menu**

5. Press the "↓" button again to display "**3-SET ALARM**"   , press the "*Menu/OK*" button again to enter the km/h speed on which the alarm will be triggered, as shown below:

Press the "↑" and "↓" buttons to switch the alarm "ON" and "OFF". Press "**Menu/OK**" to confirm the action. When alarm is "ON", three digits will appear.

Press the "**Menu/OK**" button to move the bottom right dot to the next digit, use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot, press "**Menu/OK**" to confirm.

IMPORTANT: There are two types of alarms: 1. Speed alarm. 2. RPM alarm. When alarm is selected "ON", when any of the following two factors is satisfied, the alarm will be triggered:

    a) Exceeding the speed limit. (set in 5-SET ALARM)

    b) Exceeding the red LED light's RPM value. (set in 4-SET LED)

6、Calibrating the speed: Press the "↓" button again to display "**6-SPEED CAL**"

press the "*Menu/OK*" button again to enter speed sensor settings, as shown below:

Drive the car, keep the speed of the car at 40km/h then have someone else press "*Menu/OK*" to complete the calibration. The displaying speed value does not have a unit. When your car's unit is km/h, the dashboard's unit is km/h. When your car's unit is MPH, the dashboard's unit is MPH.

十、The **Monitor** and the **DPU** is paired, the default pairing pin is 1234. If you need to connect to

a replacement OBD Bluetooth unit that has a different pin, you need to change the pairing pin on the **Monitor**, otherwise the Bluetooth connection will not be established. To change the pin, please press and hold the "*Menu/OK*" button, then turn the **Monitor** on. When hear a "beep", release the "*Menu/OK*" button. The **Monitor** will display the following:

Now use the "↑" and "↓" buttons to change the value of the digit selected by the bottom right dot. Press the "*Menu/OK*" button to move the bottom right dot to the next digit. Change each digit of the pin like so, and when all four digits are correct, press the "*Menu/OK*" button to confirm. The **Monitor** will show:

Which means that the pin has been successfully changed. The gauge will restart, and then it will begin to use the new pairing pin to connect to the corresponding OBD Bluetooth Unit, until the connection is established.

十一、If the **Monitor** shows：

There is a connection error. Please check if the blue tooth and the OBD unit are functional. Reset the pairing pin if necessary. This error may occur if the **Monitor** is connected to the power before the **DPU**. Please make sure to connect the **DPU** to power first, or connect both the **DPU** and the **Monitor** to power at the same time.