

Wireless Tire Pressure Detector

User Manual



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1 . Before Use

»»» 1.1 Introduction of Product Safety

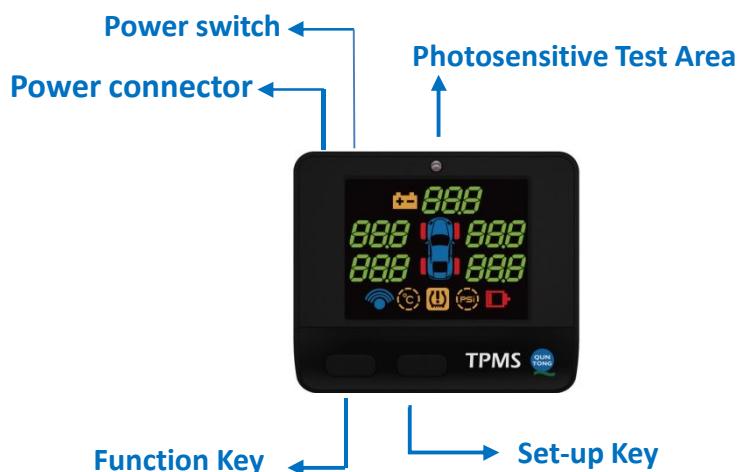
Head Up Display of Wireless Tire Pressure Detector (HUD) is security gear in of wireless detection of tire pressure. It can project all critical information such battery and temperature, pressure specified in every tire and voltage of battery on the front windshield, which reminds drivers of being alert to the information about the travel and status of tire , so as to reduce down incidence rate of break down and safety issues.

While any abnormal condition is detected, HUD will give drivers warnings in voices/lights.

»»» 1.2 ssories List :

Parts	Quantity
HUD Host Unit	1
Power Cable (USB/cigarette lighter Connector)	1
Sensor	4
CR1632, Battery	4
Fixing bracket	1
Anti-theft Nut	4
Wrench	1
User Manual	1

»»» 1.3 Introduction of Product Function



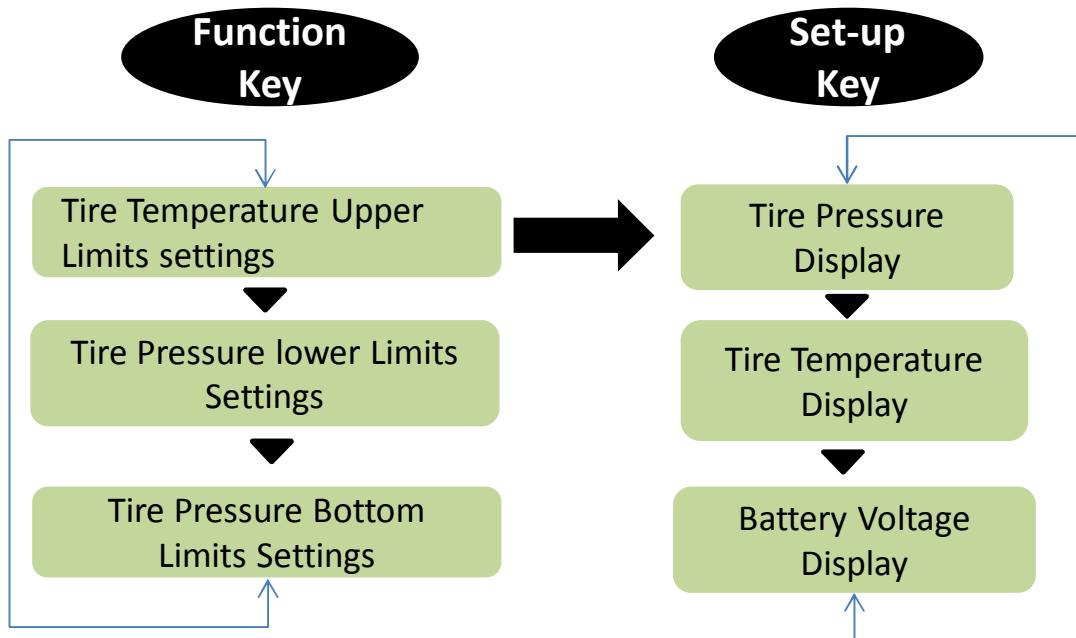


1.3.1 Function Key

Press [Function key] under normal mode to display settings in a cycle.

1.3.2 Set-up Key

Move to the function mode desired with [Function Button] and press [Set-up Button] to reset; press [Function Button] to exit settings once accomplishment.



2. . Installation

➡➡➡ 2.1 Host Unit Installation

First Step : Search position of Host Unit / Cigarette lighter Connector (Figure 1-2)



(Figure 1)



(Figure 2)

Instruction :

1. Circular connector connected host the rear cigarette lighter connector connected to the car cigarette lighter socket.

Second Step : Turn on the power ,the display will start (Figure 3-4)



(Figure 3)



(Figure 4)

Instruction :

1. If Cigarette lighter, turn off the engine, the power will be shut down, the host switch normally open.

If engine is shut down, the power will not turn off will be required to host the rear of the switch to turn off or unplug the cigarette lighter plug to prevent battery power depletion. (Figure 5-6)



(Figure 5)



(Figure 6)

Step 3 : Host fixing bracket connection

Instruction :

1 . Holder bracket fixing hole behind the insertion host (Figure 7 ~ 8)

2 . Mounting bracket affixed to the glass on the appropriate location,

And vacuum adsorption locked (Clockwise locking) (Figure 9)



(Figure 7)

(Figure 8)

(Figure 9)



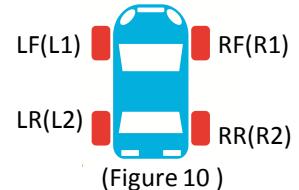
2.2 Sensor Installation

Step 1: Make sure four Sensor are pasted with tire position sticker

Instruction :

1. . Take 4 Sensor and make sure if stickers marking 4 different positions of tires are pasted onto, R 1(Right Front)/R2(Right Rear)/L1(Left Front)/L2(Left Rear)

(Figure 10)



(Figure 10)

Step 2 : Install Battery of SENSOR

Instruction :

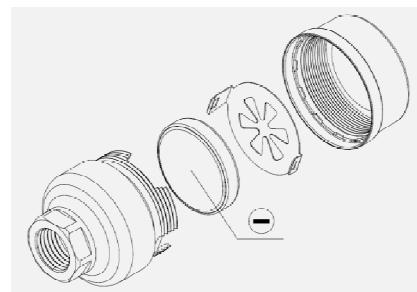
1. Put batteries and snaps into Sensor by sequence and fasten ^{Figure 11} up the lid.

Precaution:

1) Negative pore of the battery shall be at bottom side and positive pore at upper side; it will

discharge instantly and run out of power if in reverse placement.

2) Please fasten up the lid completely to avoid penetration of vapor.



(Figure 11)

Step 3 : Install Sensor on the Tire

Instruction :

Every piece of Sensor is identified by a unique ID Code (tire positioned with HUD), and paste its label on the Sensor (LF(L1) RF(R1)..).

1. Remove the plastic gas nozzle on the tire first and fasten it up with anti-theft nut; make sure Sensor's tire position labels are matched in tires' positions, then install and fasten them on the gas nozzle.

(Figure 12-15)

Precaution: please must fasten sensor and gas nozzle; it might have gas leakage if failed to do.



(Figure 12)



(Figure 13)



(Figure 15)



(Figure 14)

Step 4 : Sensor Fasten-up

Instruction:

1. . Swivel the anti-theft nut toward direction of the sensor. (Figure 16)
2. Take the wrench to buckle anti-theft nut with one hand and seize sensor with another hand to fasten up with each other inward. (Figure 17- 18)
3. Check if Sensor has been installed and fastened correctly.



(Figure 16)



(Figure 17)



(Figure 18)



2.3 Trouble-shooting of issues frequently happened during Installation

FAQ 1 : After HUD is power on for 5 minutes, it remains failure of receiving wireless signal (unable to receive signal transmitted from 4 pieces of Sensor in 5 minutes).

Resolution

- 1 . Please make sure if the batteries are in reverse. (Negative is poured at bottom side and positive at upper side)
2. Please make sure the snap of battery is fastened and in close of the batteries. (Figure 19-20)
3. Please make sure if voltages in the batteries are enough; please replace with new ones if less than 2.6V.
4. Please disassemble the battery, replace the battery once.
5. Please swivel the lid and check if penetration of any vapor occurred which caused battery snap or rust and malfunction.

(Please be sure to fasten up the lid and adhere it with rubber ring to avoid penetration of vapor)



(Figure 19)



(Figure 20)

Precautions:

The system is operated on wireless signal, under certain situation, the system may be unable to receive or reduce down the wireless signal as a result of environment intervention, mistakes made during operation and improper installation.

When the tire cannot receive updated RF signal in 5 minutes consecutively, its red legend light will be on to warn drivers.

When any of following situation happened, please:

1. Drive away the car (it might be strong wireless signal intervention nearby)
2. Please check if battery of Sensor is running out (less than 2.6Volt); please replace it with new one.
3. Please contact with your dealer for assistance.

FAQ 2: What should I do when the Sensor is with problems caused from lack of tire position labels, tire position duplication or labels drop?

Resolution:

1. We have done ID code settings on display and 4 pieces of Sensor while in delivery; in case of aforesaid problems, please consult with your dealer for reset to avoid misplacements.



➡➡➡ 3.2 Wireless Signal Reception

Step	Description	Display on HUD
1	Start the engine, power turned on. For turn on the power switch, Into the receiving state.	
2	When the Host receives RF signal from Sensor, the red light on the tire will extinguish one after one. Displays PSI and of tire pressure value.	
3	When four sensors (RF), after receiving host will show tires, PSI and tire pressure of reading.	

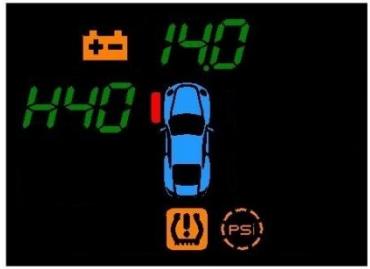
4. Operation and Settings

4.1 Function Key and Set-up Key Operation

Function Key	Description	Display on HUD
Do not press	Showing pressure value of the battery voltage and tire pressure	
Press once	Tires, temperature and the left front tire semaphored left front wheel the value "60" appears on the left front tire temperature limit can be the right setting, each time press the increase "1" °C.	
Press 2 times	Tires, temperature, and the right front tire light will be on and the right front wheel of the value "60" may be right to set the upper limit of the right front tire temperature, each time press the increase "1" °C.	
Press 3 times	Tires, the temperature and the light is on the right rear tire and the right rear wheel to the value "60" appears on the right rear tire temperature limit can be the right setting for every Press once increase of 1 °C.	
Press 4 times	Tires, temperature, and the left rear tire semaphored left rear wheel the value "60" appears on the left rear tire temperature limit can be the right setting, for each Press once the increase "1" °C.	

4. Operation and Settings

4.1 Function Key and Set-up Key Operation

Function Key	Description	Display on HUD
Press 5 times	Tires, tire pressure sign was semaphored and the left front tire and the left front wheel value appears H40 set can be right on the left front tire temperature limit increase, per Press once the "1" PSI.	
Press 6 times	Tires, tire pressure, and the right front tire sign was semaphored and the right front wheel value appears H40 may be right to set the upper limit of the right front tire temperature increased, Each press the "1" PSI.	
Press 7 times	Tires, tire pressure and the sign was semaphored the right rear tire and the right rear wheel "H40", value appears on the right rear tire temperature limit can be the right setting, per Press once the increase "1" PSI.	
Press 8 Times	Tires, tire pressure sign was semaphored and the left rear tire and left rear wheel value appears H40, setting the upper limit in the left rear tire temperature can be right per time increase "1" PSI.	

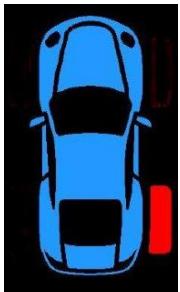
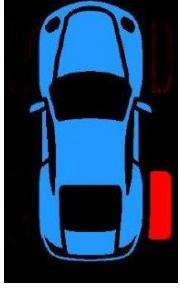
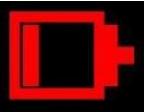
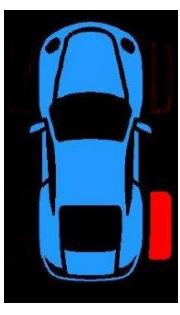
4. Operation and Settings

4.1 Function Key and Set-up Key Operation

Function key	Description	Display on HUD
Press 9 times	Tires, tire pressure and the left front tire sign was semaphored the left front wheel value appears "L25" set can be right on the left front tire temperature limit increase, per Press once the "1" PSI.	
Press 10 times	Tires, tire pressure, and the right front tire sign was semaphored the right front wheel value appears "L25" may be right to set the upper limit of the right front tire temperature increased, Each press the "1" PSI.	
Press 11 times	Tires, tire pressure and the sign was semaphored the right rear tire and the right rear wheel value appears "L25", set on the right rear tire temperature limit may be right, for each Press once the increase "1" PSI.	
Press 12 Times	Tires, tire pressure sign was semaphored and the left rear tire and left rear wheel value appears "L25", setting the upper limit in the left rear tire temperature can be right for each time increase"1" PSI.	



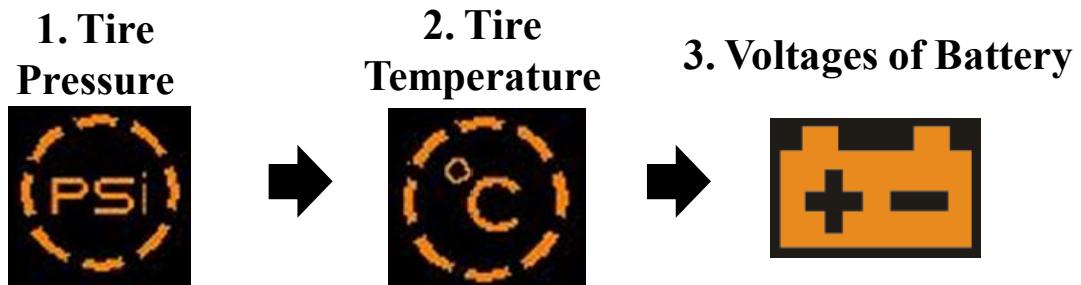
4.2 Warnings and Legends

Description	Display on the Host Unit
<p>Car Battery Voltage Warning Legend</p> <p>When the voltage is less than 12 Volt.</p>	
<p>Tire Pressure Warning Legend</p> <p>Two sounds in short and rash for every 10 seconds will be on when tire pressure is far low or far high.</p>	  
<p>Tire Temperature Warning Legend</p> <p>Two sounds in short and rash will be on for every 10 seconds.</p>	  
<p>Insufficient electricity power of tire warning Legend</p> <p>When pressure of every tire is less than 2.6 Volt, both legends of tire and battery will be on and you can press set-up key to check the voltages of batteries and replace with new ones.</p> <p><i>Please note:</i></p> <p><u>When battery power of Sensor is less than 2.6 Volt, Sensor will be unable to work which has influences on RF signal reception. Please replace with new batteries immediately.</u></p>	  



4.3 Tire Status Check-up

Press [Set-up] key and it will show pressure, temperature of every tire, electric power of battery in a sensor (every value delays at 5 seconds)



5.Electric Utensil Regulation

»»» 5.1 Receive the display Host

Voltage in Work	9 ~ 16V
Electric Current in Work	50~350mA
Temperature in Work	-40~85 °C
Temperature in Storage	-40~125 °C
Frequency	433.92MHz

»»» 5.2 Sensor

Voltage in Work	3V
Temperature in Work	-40~85 °C
Temperature in Storage	-40~85 °C
Battery Range in Detection	2.5V ~ 3.3V
Battery Life	1 ~ 2 Years
Frequency	433.92MHz

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 generates, 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 or more 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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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