

1) TPMS Specification

TPMS Receiver Specification	
Operating Temperature	-20°C ~ 80°C
Storage Temperature	-30°C ~ 85°C
Voltage	5V
Current	<30mA
Frequency	433.92MHz
Dimension	91 (L) x 38 (W) x 15 (H) mm
Weight	42gram
TPMS Transmission Specification	
Operating Temperature	-20°C ~ 80°C
Storage Temperature	-20°C ~ 85°C
Pressure Range	0 ~ 87 psi (0 ~ 6 bar)
Pressure Error Range	±1.5 psi (±0.1 bar)
Temp Error Range	±3°C
Frequency	433.92MHz
Battery Life	2year (CR1632)
Dimension	19.5 (D) x 16.5 (H) mm
Weight	9gram

24 Hrs Hotline : (65) 6100 1239
 Customer Service : (65) 6276 0889
 Operating Hrs : 0900hrs – 1800hrs (Mon to Fri)
 1200hrs – 1330hrs (Lunch Hour)

2) Accessories List



- 1) 1set x TPMS Receiver
- 2) 4pcs x TPMS Transmitter
- 3) 2pcs x Transmitter battery dismantle tool
- 4) 1set x Adhesive tape
- 5) 4pcs x Hexagon Lock nut
- 6) 4pcs x Waterproof Rubber Ring Seal
- 7) 1set x Hexagon nut Wrench
- 8) 1set x English Instruction Manual



3) TPMS Installation

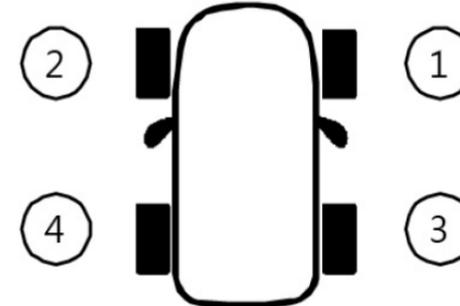
TPMS Receiver

1. Connect the car charger wire to the TPMS receiver Kit
2. Follow by connecting the Receiver wire into the GPS USB port
3. Mount the GPS accordingly to the position preference
4. Plug in the car charger into the car jack
5. GPS will auto boot up once power connected
6. Press the icon  to activate the TPMS for transmitter detection
7. Once connection / Disconnection established, indication will shown on the top left hand corner as **TPMS connect** / **TPMS Disconnect** and start detect for transmitter for each tire once transmitter installed.



TPMS Transmitter Matching Guide

Standard TPMS consist of 1 x receiver and 4 x transmitter in order to have the module to work correctly. This required installation of the transmitter in a sequence position according to the ID tag to each transmitter. Each transmitter come with indication as shown: **1) FR, 2) FL, 3) RR, 4) RL**



Important!!!

1. Kindly follow installation of the transmitter in an orderly way. If there is a installation error, you could re-adjust the transmitter by pressure pump test or re-detect ID against the system.

TPMS Transmitter Installation Procedure

Before installation, GPS with TPMS system require to be turn on in order to provide transmission correctly transmitted by individual

1. Before install, remove existing Pressure cap from the vehicle
2. Install the Hexagon nut first to the end without tightening follow by transmitter (Do not over tighten the transmitter to prevent damage) Refer to diagram
3. Reverse the Hexagon but back to tighten with the assist of the Hexagon Wrench



Important!!!

1. All transmitter installed are to be in sequence order matching
2. When transmitter battery is low, indication will show at receiver Screen
3. Check for pressure leakage with the help soap water to test if any bubble surface

4) GPS Integration function

TPMS software installation not required on selective model which is already preinstalled in Marbella brand

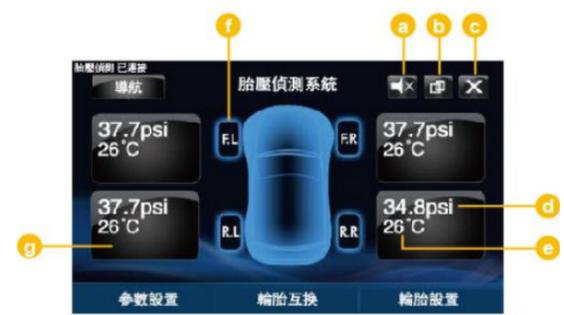
System will require to activate once GPS is boot up in order to link up navigation and TPMS function. This will help you during navigation if tire malfunction is detected, alert will be notify through the device



TPMS Normal Working Condition

Diagram shows 4 tire pressure indication measurement like temperature and pressure etc

- a. Alert warning icon
Icon show warning off
Icon show warning on
- b. Clicking icon will minimize the screen and back to main interface
- c. Exit out from the system
- d. Pressure Unit indication (psi, bar, kgf/cm²)
- e. Temperature Unit indication (°C, °F)
- f. Receiving Condition : Blue indicated normal condition
- g. Data indication : Normal indication show in White with Grey base



TPMS Abnormal Working Condition

Alert on the 4 tire measurement indication base on the following sequence

Fast leakage → Low leakage → Low Pressure → High Pressure → High Temp → Low voltage

- h. Receiving Condition : Red indicated abnormal condition
- i. Data indication : Abnormal indication show in Red with Yellow base



GPS Navigation / TPMS System Inter switch Process

- Under the TPMS function click on the Navigation on the top left hand to enter Navigation mode.
- During navigation, TPMS icon will show on the left hand side . Without Exit out from the navigation, simply double click on the icon to enter the TPMS system. When seeing show abnormal indication and show normal.



Important !!!

TPMS Connection

- TPMS connection when in operation, make sure the on the screen top left hand corner show "TPMS Connected". If connection fail, check the receiver connection if any wire is loose. Any loose cable will cause "TPMS Disconnect" to happen.
- When encounter this during driving, it is advisable to rectify the issue before carry on with driving for safety precaution and seek further advise.
- TPMS data detection will fully synchronize on the screen once vehicle was on the road driving.

Important!!!

TPMS Receiver and LED Indicator

- A beep sound will be heard with long press on the receiver button. The Led light will at the same time blink once to indicate. This show connection is normal.
- During Tire pressure inflation, a long beep sound will be heard when removing the pressure cap, Led light will start blinking. If 90 second past and receiver did not detect any inflation done, beep and Led light will automatically stop.
- If a detection made, then another beep sound will be heard and Led light will goes off

TPMS transmitter

- All transmitter has its own coding pair and tag to each tire.
- Any wrong pairing installation will be shown on the device and reinstall is require
- Each transmitter has its own position and coding to be installed
- In the event transmitter voltage is low will on the screen during detection
- Upon completion of installation, test for air leakage is require to check if any
- When transmitter battery is require change, during the process, make sure the waterproof ring is properly place and if damage found, replace a new set of ring before install back.
- System is suitable in small type vehicle. Not suitable for commercial vehicle like truck.

5) Transmitter Battery Change

Transmitter Battery dismantle/assembly procedure

During driving, low voltage or tire icon blinking when its show on the system screen, battery is required to change. To prevent wrong installation back to the tire during the change, it is to be advise changes is required to be done one by one.

Follow the step after removing the require transmitter from the tire needed to change.

- Use the dismantle tools kit on both top and bottom of the transmitter and turn anti-clockwise to remove the cover follow by turning anti-clockwise to remove the transmitter.
- Remove the battery
- Install the new battery (Lithium Battery : CR1632 with "+" positive facing up
- Reinstall the transmitter back into the cover and turn clockwise to lock. Make sure the waterproof ring is in good condition and intact before install back

