



## TPMS USER MANUAL

HUIZHOU FORYOU GROUP CO., LTD.



**Caution:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:**

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

# TPMAI1DIC1

## USER MANUAL

---

Thank you for choosing **FORYOU** products. Please carefully read the manual, you will learn to use all the functions of the new tire pressure monitoring system

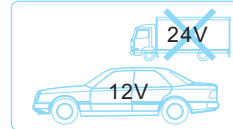
\* This product is applicable to passenger cars

## Contents

■ Precautions	1
■ Product description	2
■ Installation	
Transmitter installation steps	3
Receiver installation steps	4
■ Operation	
System introduction	5
System settings	6
Backlight settings	7
Common alerting mode	14
■ Troubleshooting	16
■ Disclaimer	17
■ Equipment connection	18

Before using this product, please be sure to have read the <User Manual>

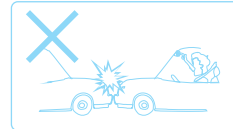
1 This product is applicable to 12V cathode grounding battery system car, please do not install the product in 24V truck or bus.



2 Do not install the product in the field of impacting driver's vision or driving operation.



3 In order to avoid traffic accidents caused by decentralizing driver's attention, please do not operate the product while driving. If there is operation need, please park your car in a safe place.



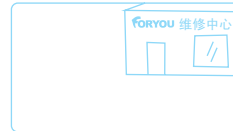
4 Do not expose the product in the over-moist environment or let it touch water, otherwise they will lead to electrical short circuit damage



5 Avoid the strong impact on the product, otherwise it will damage the structure components of the product.





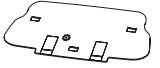
6 Do not open the product crust or adjust any other parts oneself. If there is a service need, please go to a professional repair service center for consultation.



This product provides one-year free warranty, If there is quality problem, please contact with local dealers. Man-made factors such as incorrect installation, improper use, contacting with harmful substances damage are not in the warranty list, please keep your warranty card and certificate well for servicing.

### Composing component

Tire Pressure Monitoring System includes the following components:

SN.	Name	Icon	Amount
1	Receiver		1
2	Transmitter		4
3	Paste board		1

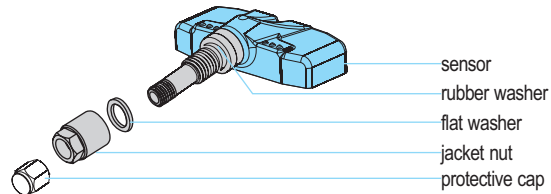
### Product technical specifications

Transmitter	
Operating temperature	-40°C ~ 105°C
Operating humidity	≤95%RH
Product Size	73×67×20mm
Product life	Normal use>6 years
Pressure measuring range	0kPa~800kPa
Transmitter frequency	433.92MHz

Receiver	
Operating temperature	-30°C ~ 70°C
Operating hvoltage	DC 12±4V
Product Size	130×40×45mm
Receive frequency	433.92MHz

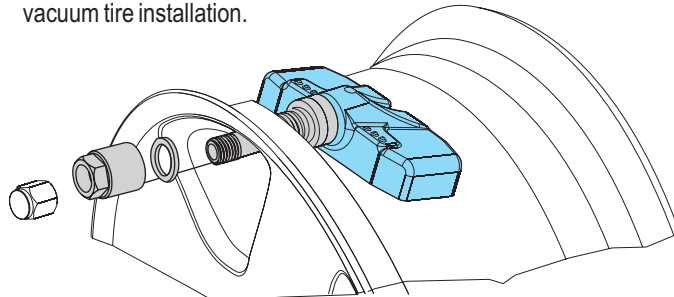
## Transmitter installation steps:

- 1 remove tires from the car, remove the rubber tire after the tires were deflated
- 2 clean the rim
- 3 Screw the protective cap, jacket nut, flat washer from the transmitter to be installed.



- 4 Insert sensor into the corresponding location of the tire valve, and then be fixed by jacket nut.
- 5 Pay attention to avoid the location of transmitters when install rubber tire. After inflation of the tires according to the tire inflation pressure value , screw protective cap to complete the installation.
- 6 In accordance with the above steps to install other transmitters.

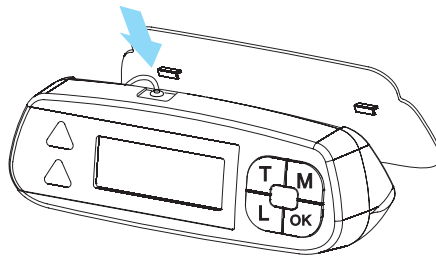
- [Note]:
- ① Transmitter should be installed by professionals. The steps must be in accordance with Stickers shown on the transmitter to ensure that the installation is correct and reliable.
  - ② As the transmitters install on the valve mouth, extrusion on the rubber valve should be avoid to prevent leakage or damage.
  - ③ After transmitter installation, you must do the tire dynamic balance test, otherwise normal driving will be affected. The product only applies to vacuum tire installation.





### Receiver installation steps:

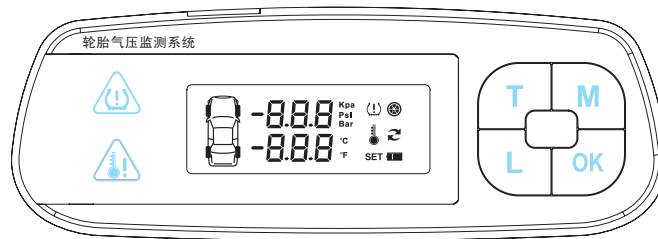
- 1 Take out receiver, receiver paste board from the box.
- 2 Tear up the adhesive protective film on paste board, stick the receiver on the selected position, adjust the position of the receiver in order to help the driver read the display information on the LCD screen.



- 3 Connect the power anode with ACC ignition wiring, cathode with the vehicle power ground. To ensure that the power connection is correct and the input power is  $12 \pm 4V$  DC power. The installation is completed.

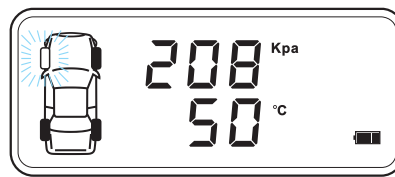
## System Introduction

After the receiver power wiring is connected, the vehicle ignition switch turns on, the system start self-checking. LCD screen light up all the display information ,at the same time buzzer starts buzzing.







- |     |                                   |    |                              |
|-----|-----------------------------------|----|------------------------------|
| Kpa | — Pressure Units:kPa              | T  | — Tire (Tyre) key            |
| Psi | — Pressure Units:psi              | L  | — Backlight (Light) key      |
| Bar | — Pressure Units:bar              | M  | — Menu key                   |
| °C  | — Celsius Temperature units:°C    | OK | — Ok key                     |
| °F  | — Fahrenheit Temperature units:°F | ⚠️ | — Pressure alerting light    |
| ⚠️  | — Pressure Alerting               | ⚠️ | — Temperature alerting light |
| 🌡️  | — Temperature Alerting            |    |                              |
| SET | — User Settings                   |    |                              |
| 🌀   | — Tire ID read                    |    |                              |
| 🔄   | — Tire exchange                   |    |                              |
| 🔋   | — Transmitter battery             |    |                              |

After self-checking passed, the system enter into tire checking status display, (below) normal work interface, if the self-checking does not pass, buzzer start buzzing and LED light lights up.




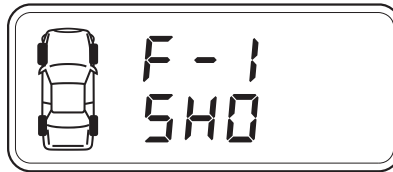
[Note]: The system will displays the data it stored last time when turning on the ignition switch after the automobile being parked a period of time, and will refresh in one minute when the speed of the vehicle arrive 20 km/h.



## System Settings

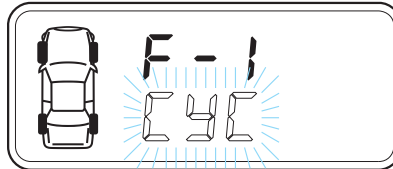
In normal working mode, press  key for 3 seconds to enter into the menu settings interface, press  key can switch between *F-1* ~ *F-6* and then press  key can enter into corresponding function setting mode or press  for 3 seconds to exit from the interface:

*F-1* (Tire information display setting)

- 1 Press  key to select function display mode *F-1*.




- 2 Press  key to enter into information display setting mode, show *ROL* / *CYC*, and the interface continue flashing, indicating that the new settings can be carried out. Press  key, select *ROL* (tire general display) or *CYC* (tire circle display).




Press  key to save settings or press  key not to

- 3 save the settings, and return to the current display mode *F-1*



*CYC* (circle display): System cycle shows information of each tire

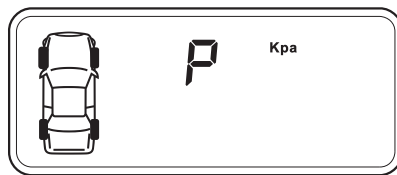
*ROL* (General display): Display the minimum pressure data value of the tire. Press  key can read other tire information one by one.



## F-2 (Units display settings)

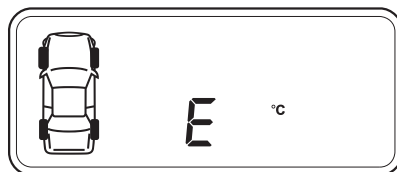
- 1 Press  key to select function display mode F-2





- 2 Press  key to enter into unit display setting mode, press  key to select pressure unit Kpa /Psi /Bar .




- 3 Press  key to complete the pressure unit setting, and enter into temperature unit setting.
- 4 Press  key to select temperature unit °C / °F





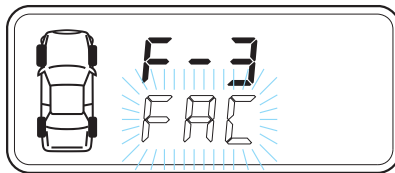
- 5 Press  Key To Save Settings Or Press  Key Not To Save The Settings, And Return To The Current Display Mode F-2.






**F-3** (Pressure and temperature limits setting)

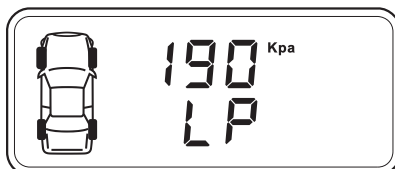
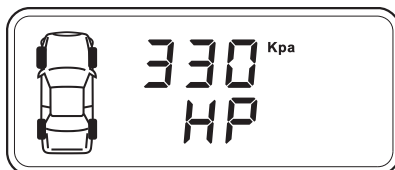
- 1 Press  key to select function display mode **F-3**.









- 2 Press  key to enter into pressure, temperature alerting limit setting mode, press  key to select **FAC / USE** (the factory default settings / user-settings).

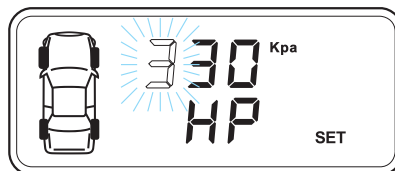


- 3 After selected **FAC**, press  key to display factory default high-pressure limit, and then press  key to display the factory default low-pressure limit, press  key again to display the factory default high temperature limit, and finally press  key to save settings or press  key not to save the settings, and return to the current display mode **F-3**.




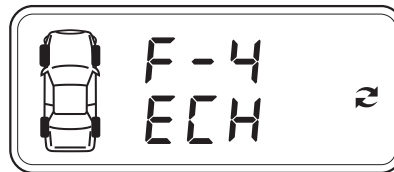




4 After select **USE**, press  key to operate self-setting limit (defaulting select the first number of high-pressure limit), press  key to select setting position, the selected position will keep flashing until the next position is selected by pressing  key. Press  key to adjust the size of flashing bit values until the last high-temperature limit is set up,. Press  key to save settings or press  key not to save the settings, and return to the current display mode **F - 3**

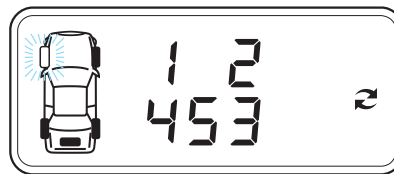




### F-4 (Tire ID exchange setting)

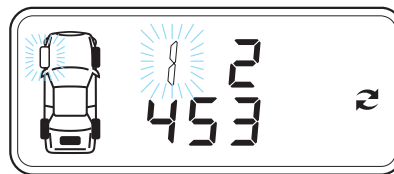
- 1 Press  key to select function display mode **F-4**






- 2 Press  key to enter into the tire ID exchange mode, press  key to select the tire, selected tires keep in flashing state.



- 3 Press  key, the No. on corresponding location of selected tire starts flashing, press  key to adjust ( 1 ~ 5 ) to the No. which in corresponding location of tire with the needs of exchange.




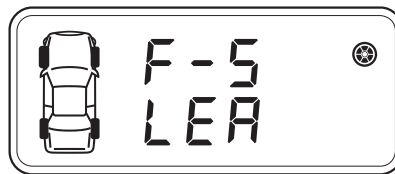
- 4 Press  key to save Settings or press  key not to save the settings, and return to the the 2nd step of current display mode, press  key to return to the current display mode **F-4**.





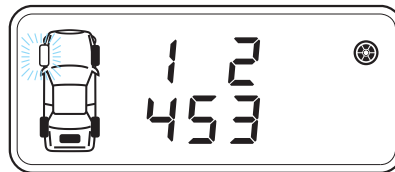
### F-5 (Tire ID No. read setting)


Before system work properly, the tires ID No. need to be read, then the transmitter can send data to the receiver real-time.

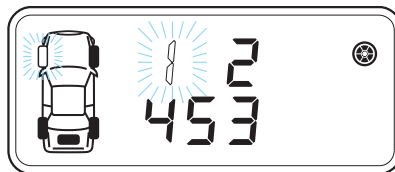
- 1 Press  key to select function display mode F-5






- 2 Press  key to enter into the tire ID No. read mode, press  key to select the tire, selected tires keep in flashing state.



- 3 Press  key, the No. on corresponding location of selected tire start flashing, waiting to receive the ID signal. At this time deflate the selected tire( reference the following [Note])After received the ID signal, the buzzer start buzzing and the digital flashing frequency speed up.




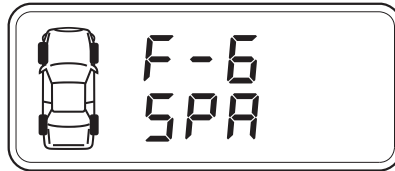
- 4 Press  key to save Settings or press  key not to save the settings, and return to the the 2nd step of current display mode, press  key to return to the current display mode F-5



## Finish learning of other tires according above steps

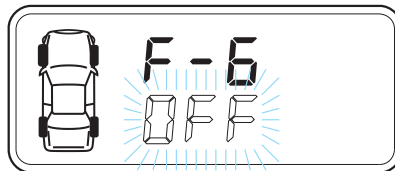
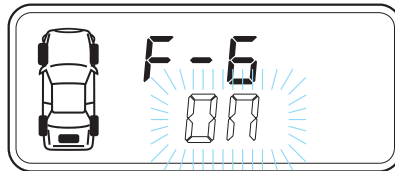
[Note] ID No. studying has been completed before leave factory, please follow the transmitter stickers to install. Tire ID No. studying, relative atmospheric pressure is  $\geq$  to 60kPa, the deflation is 30kPa in 1 minute.



### F-6(Spare tire activation settings)

- 1 Press  keys to choose function display mode **F-6**.




- 2 Press  key to enter into spare tire setup mode ,display **ON** / **OFF** , and continue to winkle, indicating that the new settings can be carried out. Press  key to select **ON** or **OFF**



- 3 Press  key to save Settings or press  key not to save the settings, and return to the current display mode **F-6**

### Backlight settings

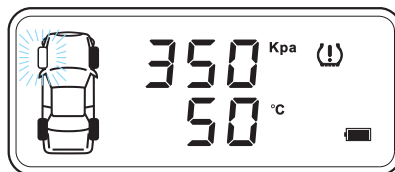
Receiver in working status,press  key to turn on the backlight, press  key again, turn off the backlight

### Common Alerting Mode

Fast leaking alerting, buzzer buzzing, pressure warning light flashing.



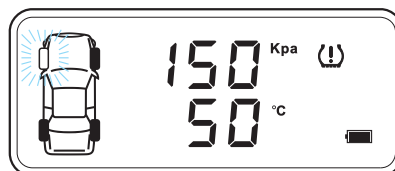
High pressure alerting, buzzer buzzing, pressure warning light flashing.



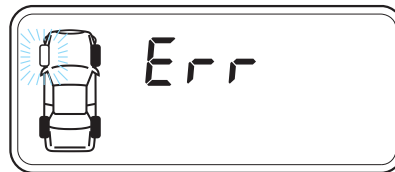
High temperature alerting, buzzer buzzing, pressure warning light flashing.



Low pressure alerting, buzzer buzzing, pressure warning light flashing.



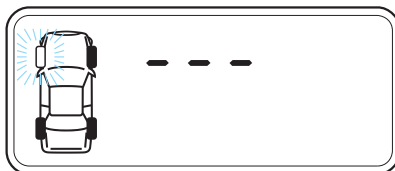
Transmitter failure alerting, buzzer buzzing



Low voltage alerting, buzzer buzzing



No signal alerting, buzzer buzzing



\*

Alerting default limits	
Low pressure alerting	$\leq 190\text{kPa}$
High pressure alerting	$\geq 330\text{kPa}$
High temperature alerting	$\geq 80^{\circ}\text{C}$

[Notice] ① If the alerting state displays, please solve the problem in time, which could save transmitter power consumption.

② In alerting state, press any button to stop alerting sound.

## Troubleshooting

Failure phenomenon	Possible reasons	Solution
No LCD display	No power	Be ensure that cathode and anode power supply connection and grounding are correct.
	Fault display	Contact suppliers for replacement
No receiving signal from transmitter	Transmitter does not work	Ensure tire pressure is $\geq 60\text{kPa}$
Tire ID read mode can not read ID	Less than 30kPa deflated 1 minute	To ensure that the deflation is greater than 30kPa in 1 minute

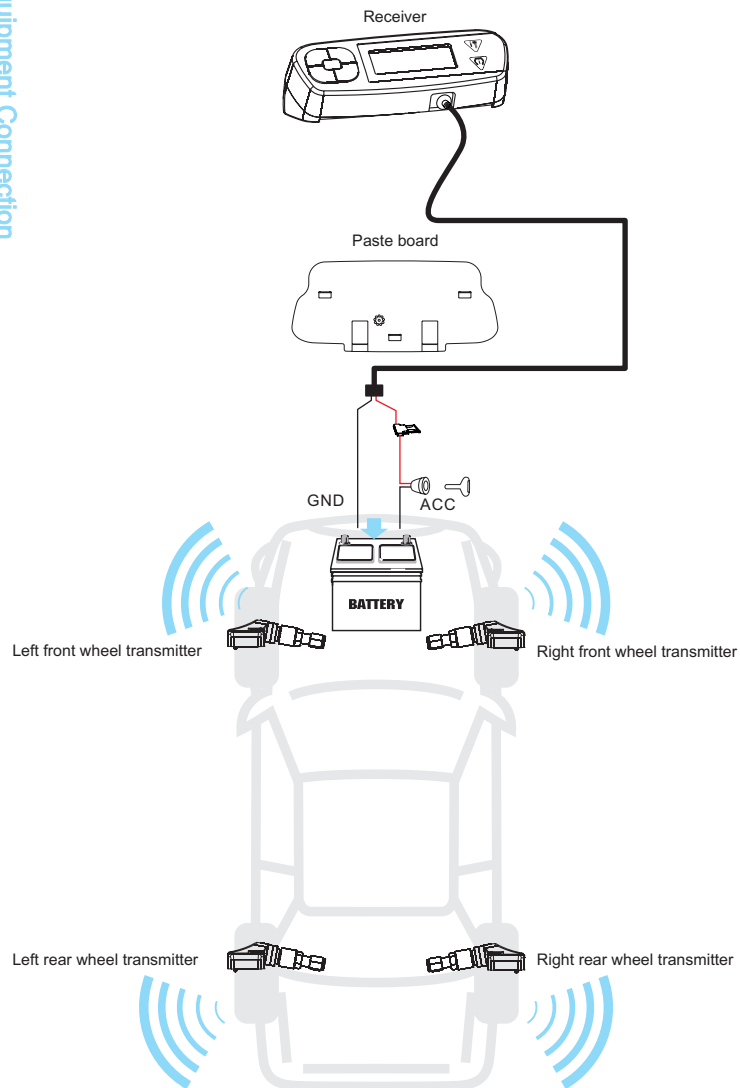
- 1 Except the installation methods mentioned in user's manual, any changes in product installation and product structure are not allowed.
- 2 In order to avoid damage to the system, please do not open the product, all the relevant technical services staff should be professionally trained, if the tires have to be disassembled, please note that do not damage the transmitter.
- 3 This product can effectively monitor the tire, but we can not guarantee any unexpected accidents. Users with the system can improve vehicle security control.
- 4 When users purchase the system, please be sure to fill in the warranty card correctly to facilitate the manufacturers to provide after-sales service. If the product is purchased on where specified in the Company's non-seller list, the company will be entitled to refuse to provide any service.
- 5 Tire Pressure Monitoring product warranty contract does not apply to any expendable parts (such as the battery of transmitter), or the products, parts or accessories of non-FOUYOU Group. Warranty period will take effect for one year from the date of purchase.
- 6 With this system, we still strongly recommend that customers regularly

#### Pressure Units Glossary

kPa	Pressure units: kPa (the pressure of China's legal unit)
psi	Pressure unit: pounds / square inch
bar	Pressure units: bar
Pressure conversion	1psi=6.895kPa; 1bar=100kPa; 1bar=14.5psi

#### Temperature Units Glossary

°C	Temperature unit: Celsius temperature
°F	Temperature units: Fahrenheit
Temperature conversion	°F=32+1.8°C



The first edition (April, 2009)

We do not notice when there is an upgrade

FOUYOU Group CO., Ltd has the power of final interpretation.

**FORYOU HUIZHOU FORYOU GROUP CO., LTD.**

24rd floor, Foryou Tower, Yanda yi road, Huizhou, Guangdong Province, China  
<http://www.foryougroup.com>  
E-mail: [AEsales@foryougroup.com](mailto:AEsales@foryougroup.com)  
TEL: 0752-2556569 Fax: 0752-2556567