

Solar Tire Pressure Monitoring System (TPMS)

Operating Instruction Manual



1. Product details:



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|---------------------|---------------------|--------------------------|
| 1. Solar charging | 6. Tire pressure | 11. Solar charging board |
| 2. Tire temperature | 7. Battery | 12. USB charging port |
| 3. Left | 8. Temperature unit | |
| 4. Menu | 9. Tire position | |
| 5. Right | 10. Pressure unit | |

2. The settings' function introduction

A. When the receiver is turned on, long press M key to enter the "Settings" state. Long press M key for 5 seconds to enter the Bar/Psi unit switching interface (as the picture shown below), then press "Left key" or "Right key" to switch Bar/Psi. (Save and at the same time enters the next project setting) or wait for 15s to save it by itself and return to the main interface.



B. Long press M key for 5 seconds to enter the setting state, next, short press the M key for once to enter the "C/F" unit switching interface (as the picture shown below), then press "Left key" or "Right key" to switch "C/F". (Save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface.



C. Long press the M key for 5 seconds to enter the setting state, next, press the M key for twice to enter the setting interface (as the picture shown below) about front wheel's alarm value of low pressure, then press the "left key" or "right key" to add or reduce the alarm value. (Save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface. (The low pressure alarm value defaults to 1.8 Bar, the normal tire pressure value is "2.0-2.8 Bar", and the low pressure value cannot be lower than "1.8 Bar").



D. Long press the M key for 5 seconds to enter the setting state, next, short press the M key for three times to enter the setting interface (as the picture shown below) about front wheel's alarm value of high pressure, then press the "left key" or "right key" to increase or decrease the alarm value. (Save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface. (The high pressure alarm value defaults to 3.0 Bar, the normal tire pressure value is "2.0-2.8 Bar", and the high pressure value cannot exceed "3.0 Bar").



E. Long press the M key for 5 seconds to enter the setting state, next, short press the M key for four times to enter the setting interface (as the picture shown below) about rear wheel's alarm value of low pressure, then press the "left key" or "right key" to increase or decrease the alarm value (save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface. (The low pressure alarm value defaults to 1.8 Bar, the normal tire pressure value is "2.0-2.8 Bar", and the low pressure value cannot be lower than "1.8 Bar").



F. Long press the M key for 5 seconds to enter the setting state, next, short press the M key for five times to enter setting interface (as the picture shown below) about

rear wheel's alarm value of high pressure, then press the "left key" or "right key" to increase or decrease the alarm value. (Save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface. (The high pressure alarm value defaults to 3.0 Bar, the normal tire pressure value is "2.0-2.8 Bar", and the high pressure value cannot exceed "3.0 Bar").



G. Long press the M key for 5 seconds to enter the setting state, next, press the M key for six times to enter the setting interface (as the picture shown below) about the tire's alarm value of high temperature, then press the "left key" or "right key" to increase or decrease the alarm value. (Save and at the same time enters the next project setting) or wait for 15s to save by itself and return to the main interface. (The high temperature alarm value defaults to 75 °C. It is recommended that the high temperature alarm value is set to 75 °C).



H. Long press the M key for 5 seconds to enter the setting state, next, press the M key for 7 times / 8 times / 9 times / 10 times to enter the single tire pairing interface (as the picture shown below), then press the left key or the right key once. When the "5" is displayed on the screen, the receiver enters the pairing state with a single sensor. At this point, inflate or deflate the tire, the receiver and the sensor will pair themselves automatically. When the receiver sends a "5-5, ..." sound, it means the pairing is successful and the tire pressure and the temperature value are simultaneously displayed on the receiver's screen.



I. Long press the M key for 5 seconds to enter the setting state, next, press the M key for 11 times / 12 times / 13 times / 14 times to enter the tire exchange interface (default: 00 for the left front wheel, 01 for the right front wheel, 02 stands for the left rear wheel, 03 stands for the right rear wheel), then short press the "left key" or "right key" to select the tire that needs to be exchanged, and then long press the "right key" to complete the tire exchange setting. After the setting is completed, short press the M key for five times to exit the exchange settings interface.



4 Long press the M key for 5 seconds to enter the setting state, next, short press the M key for 15 times to be displayed the DF on receiver's screen, then press the left key once to be displayed 2 DFs. At this point, short press the M key to enter the page of 4 tires are matched simultaneously. The page is also the page to restore factory setting.



3. Alarm explanation with diagram.

Leak (low tire pressure) alarm

Usually it is tire valves too old. Example: left rear tire leak alarm, the remark (!) will flash and left rear tire pressure will flash as well.



High tire pressure alarm

Left rear tire high pressure. Example: left rear tire leak alarm, the remark (!) will flash and left rear tire pressure will flash as well.



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High tire temperature alarm

Tire temperature higher than Max. Temperature. Example: Left rear tire high temperature, the remark (!) will flash and left rear tire temperature will flash as well.



Detection sensor battery low power

Example: Left rear tire battery is low power, Remark (!) and ! will flash, and the LO will show on the screen.



Detection sensor is out of work

Example: Left rear tire is out of work, and there will no any data show on the relevant position.



4. Tire pressure parameters setting

Tire pressure parameters has been set by our factory. But you can reset it according to your car condition. And you can also recover it into factory setting press the key Menu for 3

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seconds, you can start setting the parameters. The system will automatically exit over 15 seconds when you are not confirm your setting, and it will not store your setting in this condition. Except matching index will have 90 seconds.

5. Detection sensor installation:



1. Remove the cover of tire valve, Tight the hex nut



2. Tight the detection sensor in the right position



3. Tight the detection sensor by nut wrench



4. Check it carefully, it is better for you to spray soak for checking if it is leak.

Internal Sensor Installation

1. Separate tire and rim.
2. Cut off the rubber at the bottom of valve.
3. Use screw to fix valve a bit, remove the weather nut and dust cap.
4. Mount the sensor on the valve, adjust the best sensor angle in the wheel hub by hand. Remove the sensor from wheel hub. Use a specialized tool to tighten the valve on the same location.



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5. After tighten the valve, mount on the wheel hub.
6. Mount the weather nut and dust cap.
7. Mount the tire and rim, inflate the tire again.
8. Test dynamic balance, match balance weight.



6. External detection sensor battery change



Remove the non-slip sheet



Use our wrench to loose it Change the new battery

7. Tire pressure technical parameters

Item	Unit	Sensor	LED Screen
Transmit frequency		433.92MHz/433.92MHz	
Working voltage		2.0~3.6V	3V
Electric Current		Standby:20uA	Standby:20uA
		Work current:20mA	Work current:20mA
Working temperature	Temperature	-40~+120°C	-30~+50°C
	Pressure	-40~+120°C	
Detect range	Temperature	-40~+120°C	
	Pressure	0~3.5 Bar	
Accuracy	Temperature	± 2°C	
	Pressure	± 0.1 Bar	

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