

# Solar Tire Pressure Monitoring System

## operating instructions

Important: Always turn on the main unit before installing the sensor.  
The schematic diagram of this manual is for reference only, specific to the physical shall prevail

### I. Use the installation tutorial:

1. Long press the "◀" on/off button for 3 seconds to turn on the computer.,

Press and hold for 3 seconds to turn on/off

2. Installation of anti-theft nut:  
(as shown in Figure a)



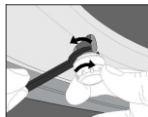
(Fig. a) Clockwise travel the security nut to the very bottom of the tire valve.

3. Installation of sensor:  
(as shown in Figure b)



(Fig. b) Tighten the sensor quickly clockwise, it is normal to have air leakage in the middle of the process, and there will be no air leakage after tightening the sensor.

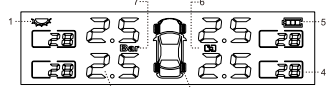
4. Lock the anti-theft nut (as shown in Figure c)



(Fig. c) Lock the sensor by tightening the anti-theft nut counter-clockwise with a tool wrench

### II. Schematic diagram of the display:

#### A. Display Description/Interface



1. Solar Charging
2. Tire pressure value
3. Tire position
4. Tire temperature value
5. Battery power
6. Temperature units
7. Pressure units

#### B. Description of key functions::

- USB charging port/receiver charging port
- Left button/switch menu to the left (in standby mode, long press to switch on/off)
- Menu key/confirmation key (standby mode, long press to enter the menu mode, select the parameters to be adjusted, short press 1 time to confirm)
- Right button/switch menu to the right

#### C. temperature exceed the set alarm value, will give the alarm broadcast, Press "M" to stop the broadcast.

Sleep mode: After the car is turned off, the display screen will automatically turn off within three minutes. When the car is started, the display screen will automatically

### III. Tire pressure parameters:

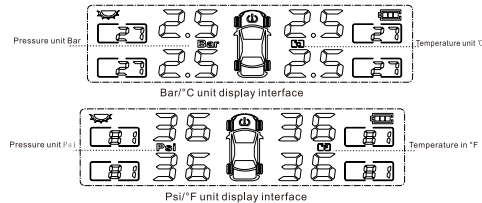
character radical	External Sensors	Built-in sensors	monitor (computer)
sports event	433.9200MHz/0.1MHz		
operating frequency			
operating voltage	3V	3V	3.7V
Operating Current	Static $\leq 1\mu A$ Operating current $\leq 15mA$	Static $\leq 1\mu A$ Operating current $\leq 15mA$	Static $\leq 50\mu A$ Operating current $\leq 5mA$
environment working	temp	-40°F ~ 176°F	-40°F ~ 158°F
Monitoring Scope	temp	-22°F ~ 199°F	
accurate	pneumatic	0/psi ~ 73Psi/0Psi ~ 99Psi (two versions, consult dealer for details)	
	temp	$\pm 3^\circ F$	
	pneumatic	$\pm 2Psi$	

### IV. Switching units:

- a. Press and hold the "▶" key for 6 seconds to switch the pressure and temperature unit automatically.



- b. Automatic switching of pressure and temperature unit display interface



### V. Replacement of batteries:

When the sensors are connected to the battery, remove/install the shells one by one, do not miss or remove/install at the same time; it can effectively avoid the sensors being installed in other tire positions due to misplaced shells.

(Battery CR1632, working humidity requirement -20°C ~ 70°C);

1. Please prepare a nut wrench before disassembling the sensor, rotate the nut clockwise to separate the nut from the sensor, and then remove the sensor counterclockwise.
2. Use a wrench to unscrew the sensor top cover housing counterclockwise;
3. Remove the old batteries from the battery clamps and do a good job of environmental protection classification and disposal;
4. Distinguish between positive and negative positions (positive "+" facing up); install a new lithium battery CR1632;
5. Screw on the upper cover of the sensor shell, and then use a wrench to tighten clockwise direction can be



a. Select the sensor;

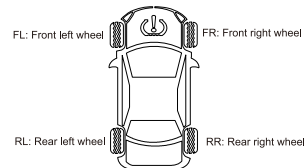


b. Unscrew the top cover with a wrench;



c. Put in a new battery, screw the top cover and install it to the air nozzle (the battery has words facing up)

### VI. Please install the sensor in the correct position.



#### FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

#### RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.