

B-Qtech 550S-6 Tire Pressure Monitoring System Solar TPMS with Repeater



# B-Qtech 550S-6 Tire Pressure Monitoring System Solar TPMS with Repeater User Manual

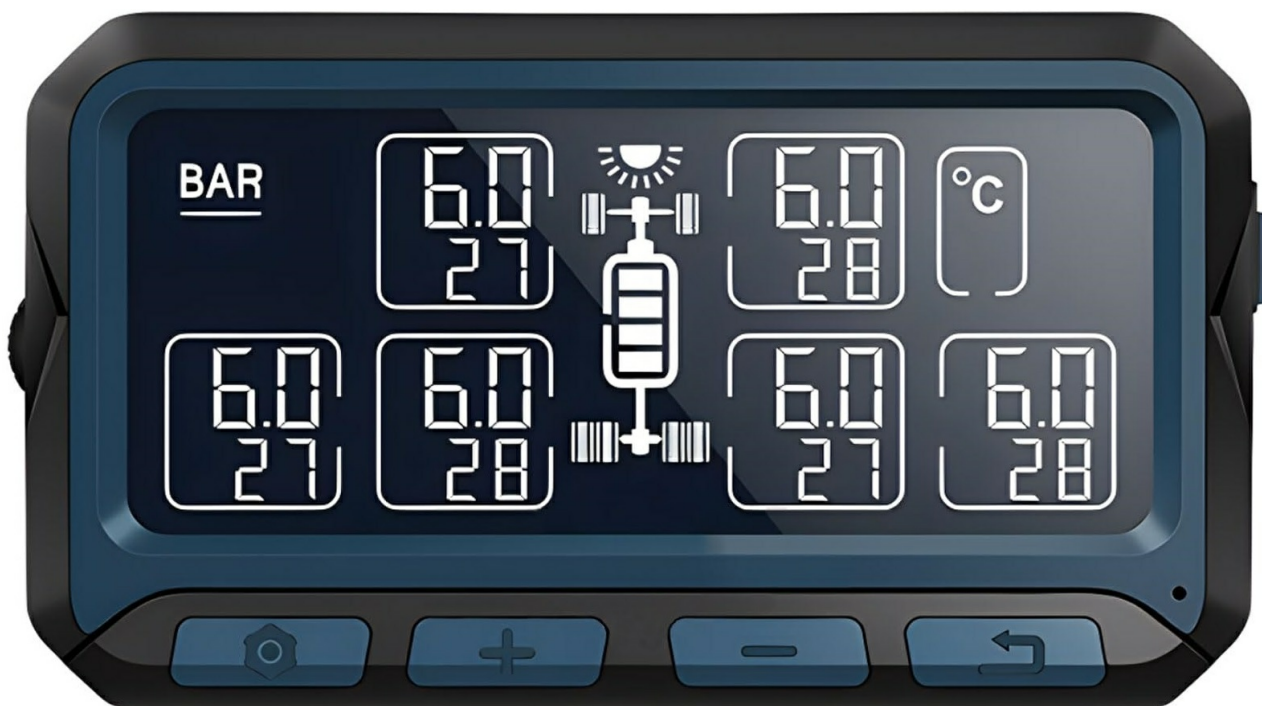
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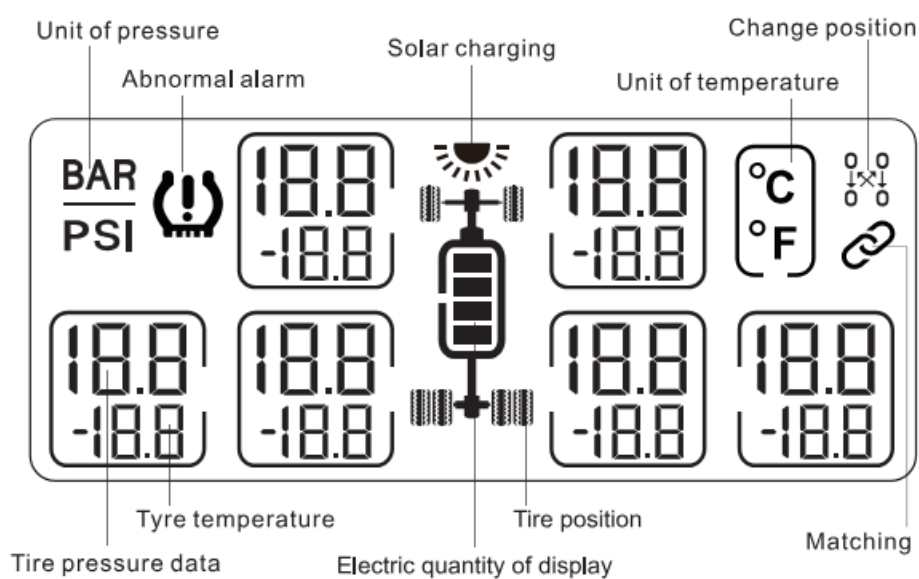
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# B-Qtech

**B-Qtech 550S-6 Tire Pressure Monitoring System Solar TPMS with Repeater**



## Quick explanation



18.8	Tire pressure		Electric quantity of display
-18.8	Tyre temperature	°C °F	Unit of temperature
	Abnormal alarm	BAR PSI	Unit of pressure
	Matching		Solar charging
	Change position		Holding on to Matching mode
	The key for selection and Brightness adjustment		ON/OFF
	Set key		

**Caution:** Turn on the power of the display and then install the sensor. Follow this step, and the data can be

displayed in real-time.

## Product Features

- The monitor keeps sleeping mode after parking for three minutes and receives the data in real-time until shocked again.
- Large Screen.
- High-efficiency solar charging. The charging Voltage is about 5V, charging current is about 50mA, so the charging power is about 0.025W. It needs to be exposed to the sun for 36 hours but it can not be 100% charged cause it is working. It is enough to keep the display working with sufficient power by solar charging.
- Automatically wake-up.
- Three grades backlight brightness, screw the side button or press the + button to adjust.
- 7 kinds of alarming modes: high / low pressure /high temperature/Sensor failure/Monitor low power/Sensor low power /Rapid air leak alarm
- Pressure units (PSI, BAR) and temperature units (° F/° C)
- Long receiving distance, about 8 meters. The distance can be supported up to 40 meters if installing a signal booster.
- Monitor up to 6 tyres.
- In standby mode, pressing and holding the SET and – keys simultaneously can enter the 4/6 round switching mode.
- Two axles for high and low-pressure values setting.
- The capacity of the monitor battery is up to 1800 mAh, the working current is 7 mA, working voltage is 3.7V, so the working power is 0.026W. It takes about 6 hours to be fully charged by TYPE-C cable. The charging current is about 400mA.

## Functional description of the display

After the display alarms, press anywhere on the display to remove the prompt sound, and the flickering prompt will continue till the fault is removed

## Factory default settings

- **High-pressure alarm value:** 116PSI
- **Low-pressure alarm value:** 58PSI
- **High-temperature alarm value:** 149°F

## How to restore the factory default?

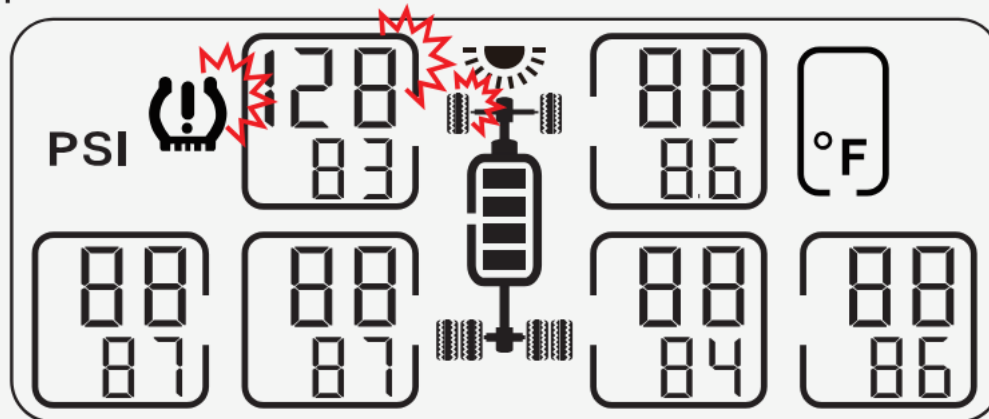
- Turn the monitor off, then turn it on and press the SET button until hearing the sound of “D....”.
- The standby interface will be displayed, indicating that the factory reset successfully.

## High-pressure alarm



Bi--Bi--Bi--

Tire pressure is over 116PSI

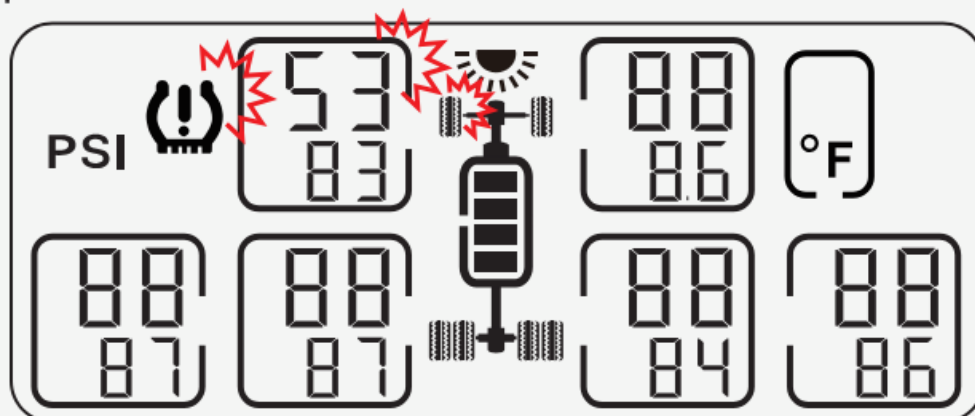


## Low-pressure alarm



Bi--Bi--Bi--

Tire pressure is lower than 58PSI



### Note:

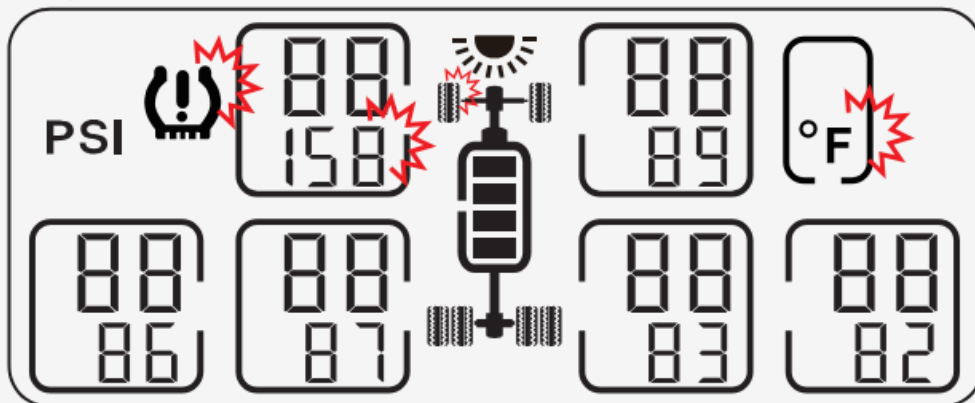
1. The symbol v means flickering and will not appear on display.
2. It's common with + / - 2psi deviation, which will not affect your judgment whether the tyres are in good condition or not

## Tire-temperature alarm



Bi--Bi--Bi--

Tire temperature is over 149°F

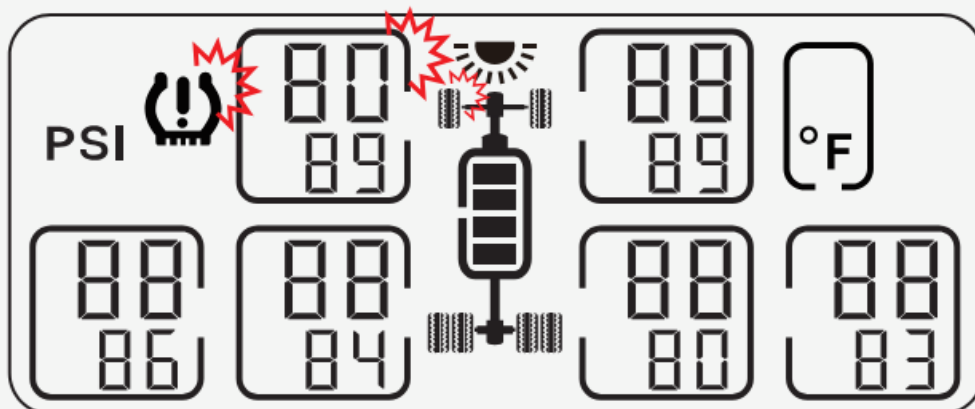


## Air-leaking alarm



Slow leakBi--Bi--Bi--

Fast leakingBi-Bi-Bi-Bi--

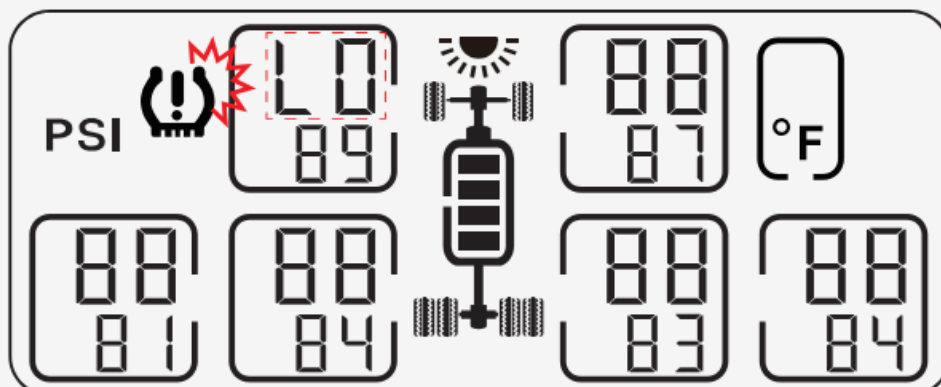


## Sensor Low-power alarm



Bi--Bi--Bi--Bi--Bi----

Low-power prompt of sensor



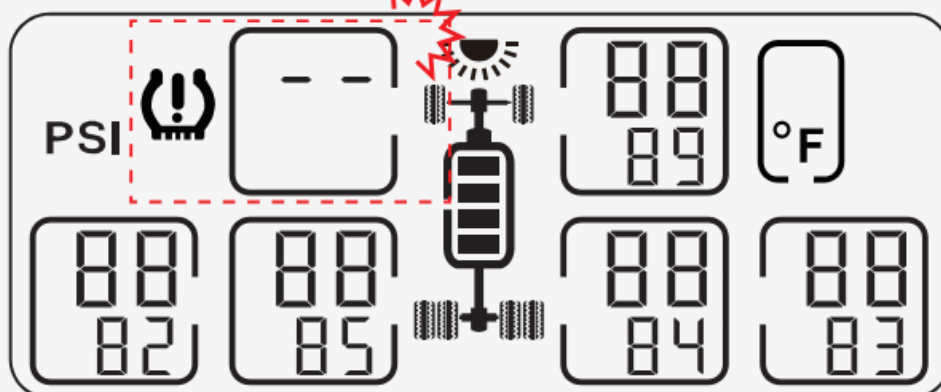
**Note:** when the sensor gives a low-power alarm, the low-power icon and the pressure value are displayed alternately, Lo is displayed for 10 seconds, and the pressure value is displayed for 30 seconds. Cycle alternately until the exception is removed.

## Sensor failure



Bi-----Bi----

Sensor failure prompt, for example: No.1 Sensor failure, alarming as below

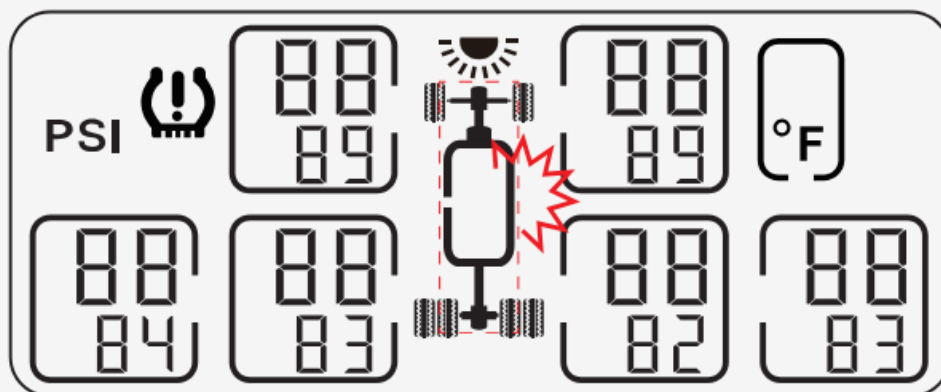


## Monitor low battery alarm



Bi-----Bi----

Low-power prompt of Monitor



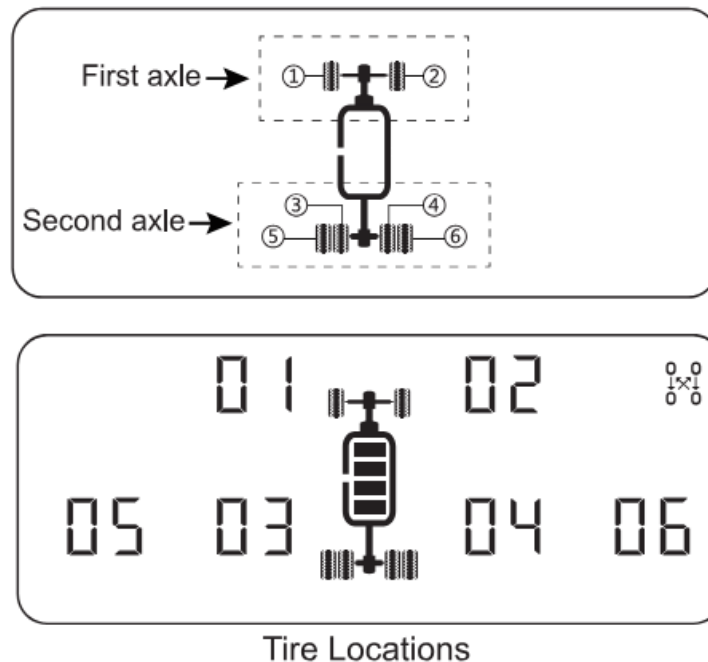
Please use a USB cable to charge the monitor by the vehicle power supply. Adviod charing at a lon time parking.

## Parameter setting

Pressure Unit	BAR/PSI
High Pressure	8.0BAR(116PSI)
Low Pressure	4.0BAR(58PSI)
Temperature Unit	°C/°F
Temperature alarm value	65°C/149°F

## Detail of display

- The tyres in the monitor interface are divided into two axles as follows:
- The tyre numbers(01,02,03,04,05,06) represent the tyre position where the sensor is located.



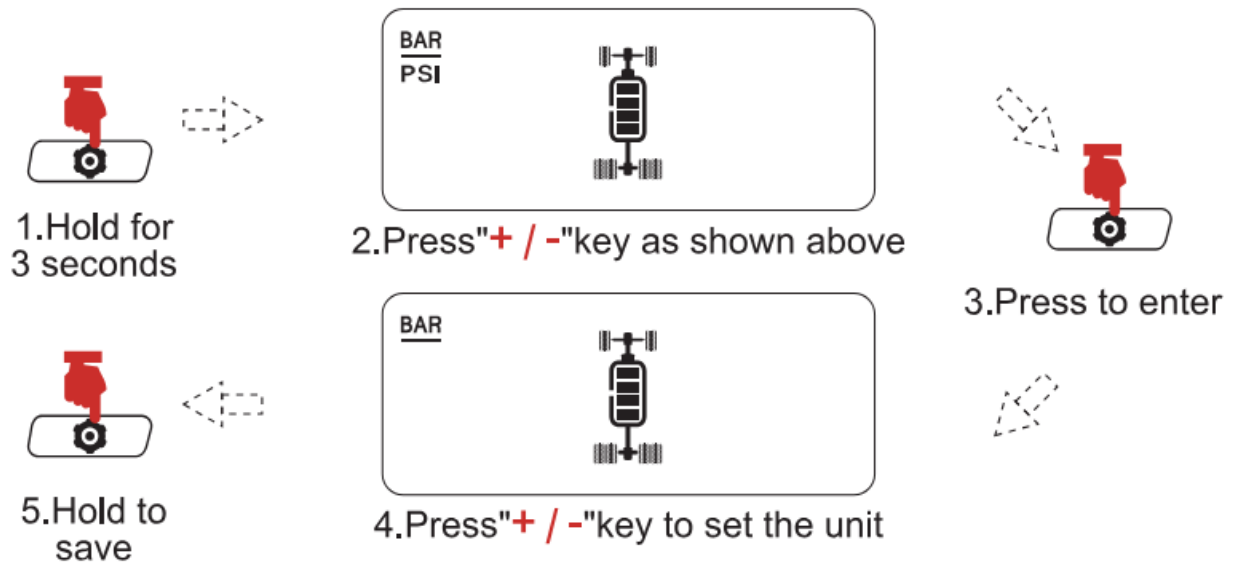
NO.5,6 Sensors can be used on the tyres of your trailer

(The parameters have been set before delivery, and the operations below are not needed)

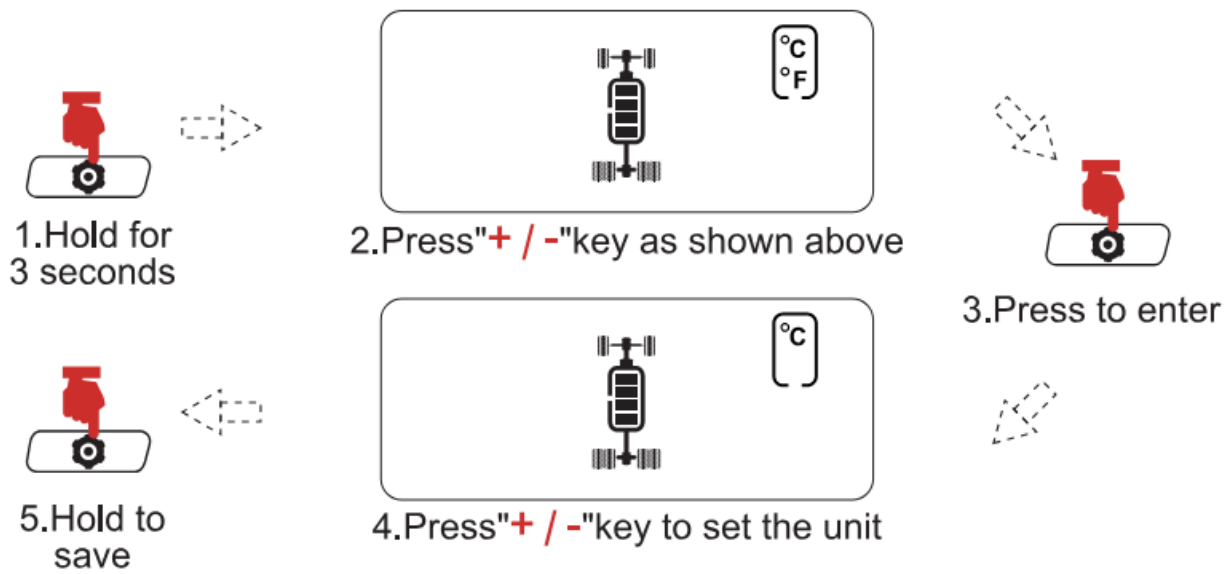
### The setting of a unit of pressure

#### Caution:

1. Maximum pressure can be set to 199PS (13.7 BAR)
2. Maximum alarm value can be set to 199 PSI (13.7 BAR)

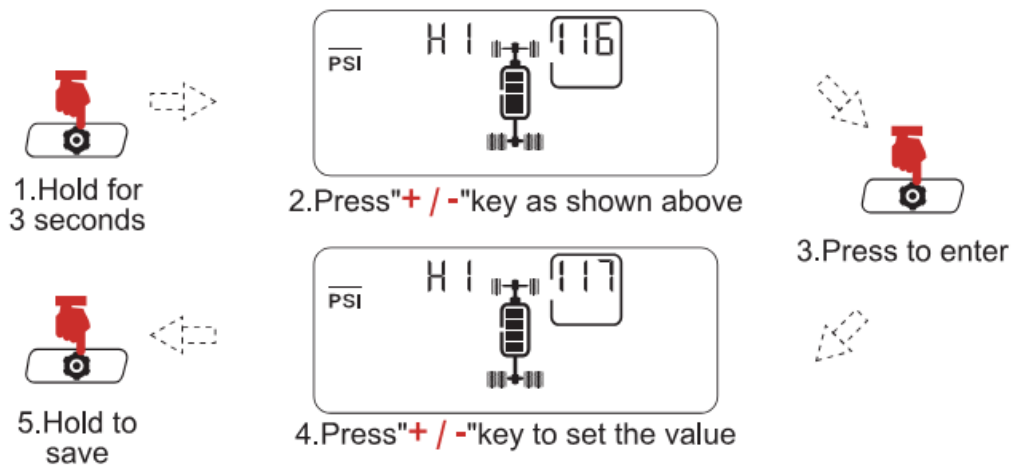


### The setting of a unit of temperature



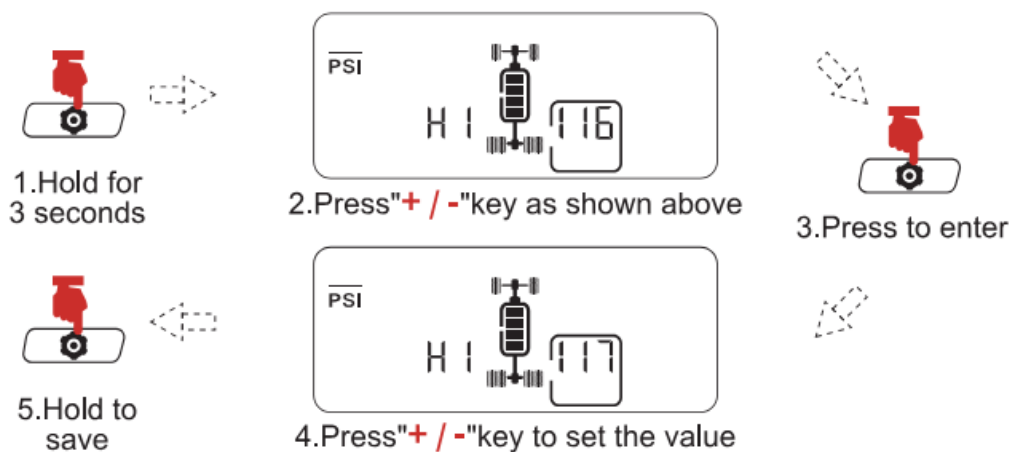
### The setting of the upper alarm value of the First axle tyre pressure

**Caution:** Maximum alarm value can be set to 199 PSI (13.7 BAR)



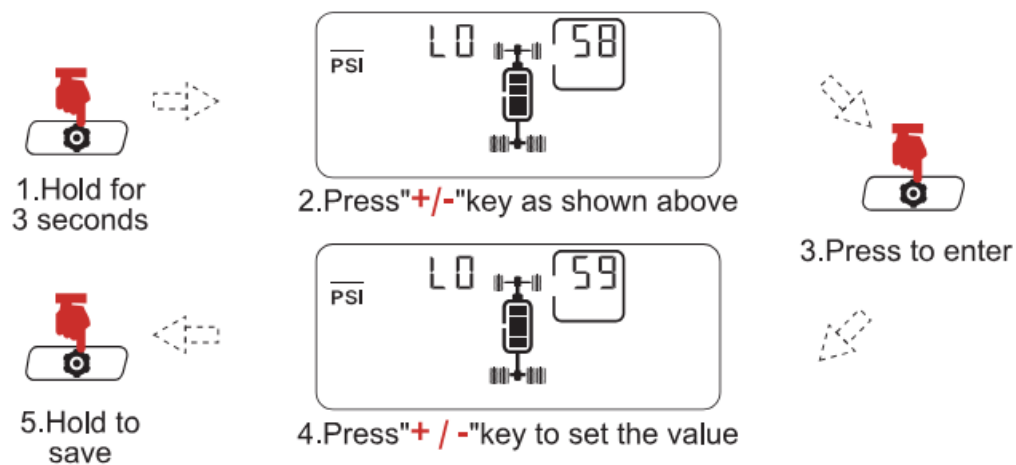
### The setting of the upper alarm value of the Second axle tyre pressure

**Caution:** Maximum pressure can be set to 199PSI (13.7 BAR)



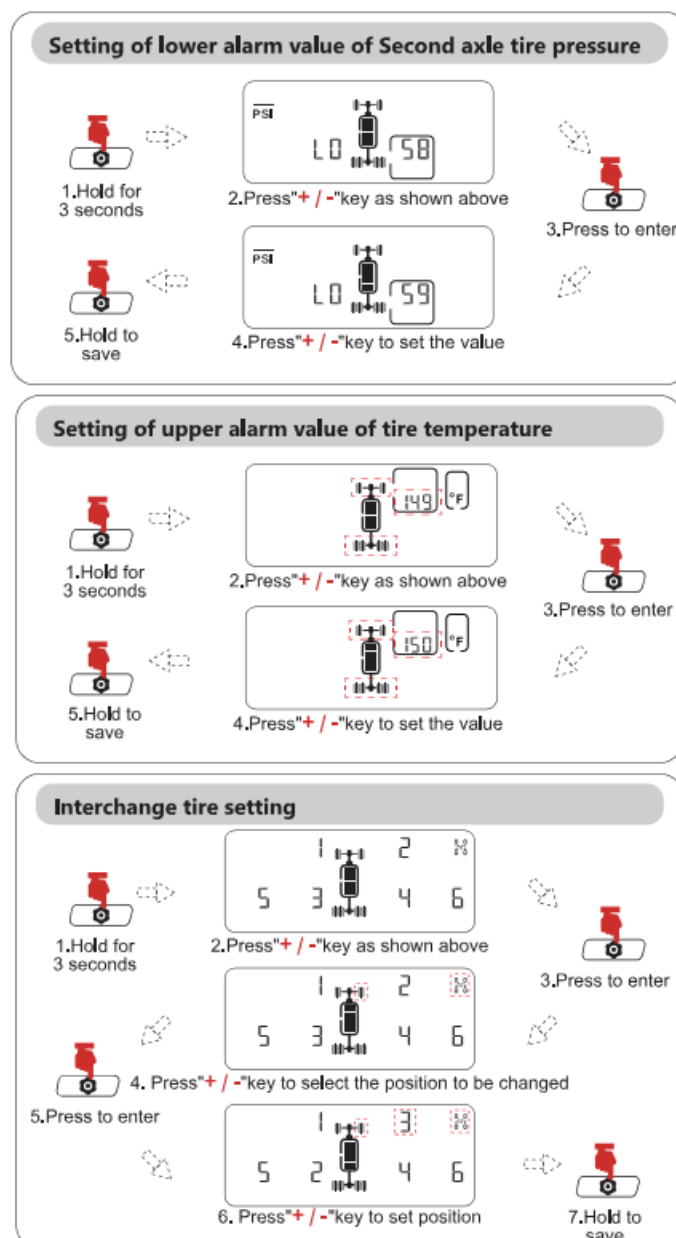


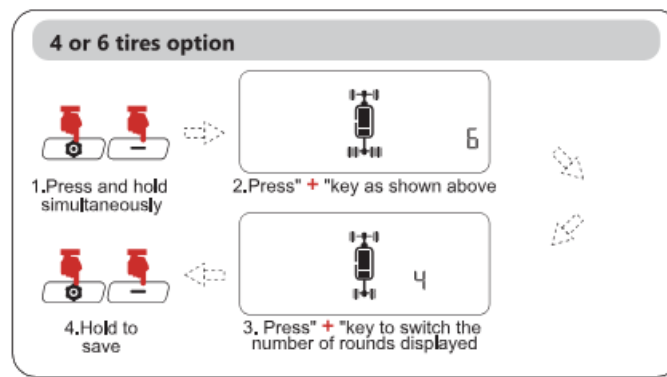
## The setting of lower alarm value of First axle tyre pressure



## Parameter setting

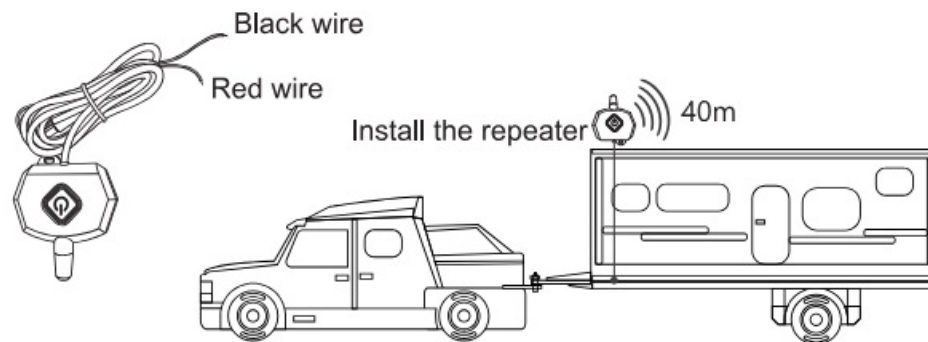
### The setting of lower alarm value of Second axle tyre pressure





## Installation of signal booster

- **Repeater:** Optional, strengthen the signal
  - (We suggest installing the repeater near the head of the vehicle.)



- The repeater can make sure to strengthen the signal within 40m.
- The red cable connects with the anode of the battery, and the black cable connects with the cathode.
- The button on the repeater flashes with a red light means it is working normally.
- Otherwise, you need to confirm whether the repeater is properly connected.
- Or it may be broken if still does not flash.

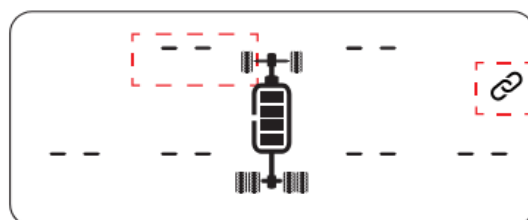
## Matching operations

**Note:** The operations have been matched before delivery, and they are only needed when the data is missing, or when the sensor or the display needs to be replaced.

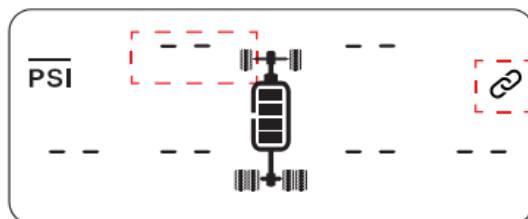
### Matching of External sensor

**Note:** Please don't install the sensor before matching.

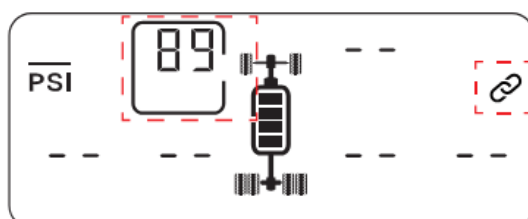
1. Hold for 3 seconds



2. Enter as shown above



3. Press "+" / "-" key to choose the position



5. The matching succeeds when the data is displayed

4. Tighten (air-leaking sound will be heard)



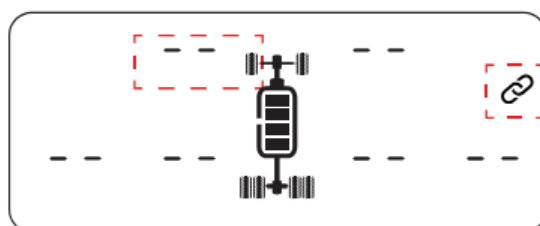
6. Hold to save



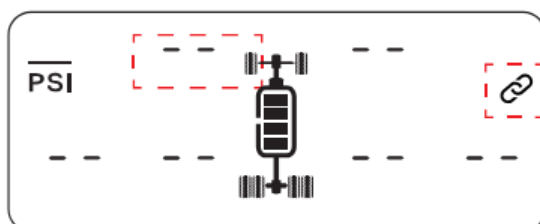
### Matching of Internal sensor

**Note:** Please install the sensor before matching, and then deflate the tyre

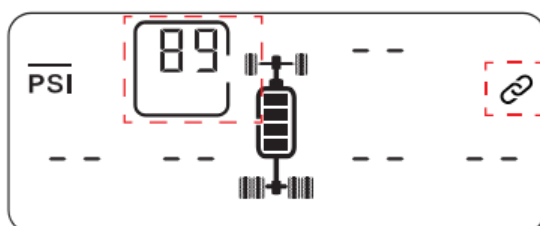
1. Hold for 3 seconds



2. Enter as shown above



3. Press "+" / "-" key to choose the position



5. The matching succeeds when the data is displayed

4. Inflate



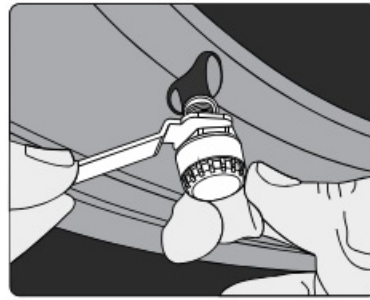
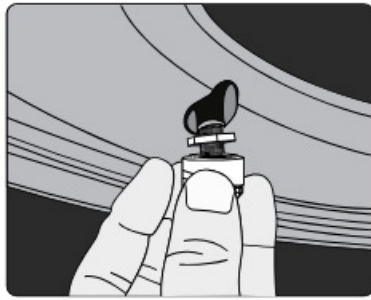
6. Hold to save



**Note:** Don't need matching until it loses the link due to interference or replacement

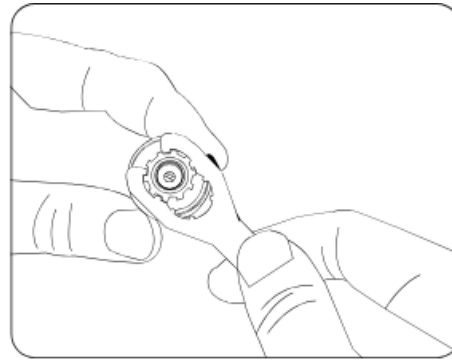
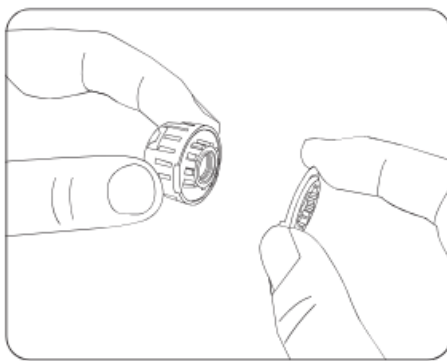
### Installation of sensor

1. First, tighten the anti-burglary gasket and then tighten the sensor
2. Hold the anti-burglary gasket with a spanner and tighten it counter-clockwise



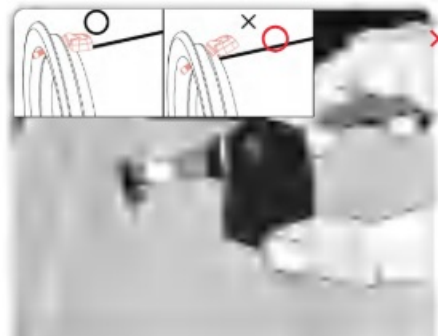
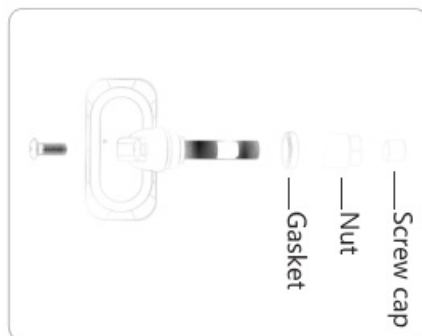
### Replace sensor battery

1. Remove the tamper ring.
2. Open the housing with a spanner and remove and replace the battery.

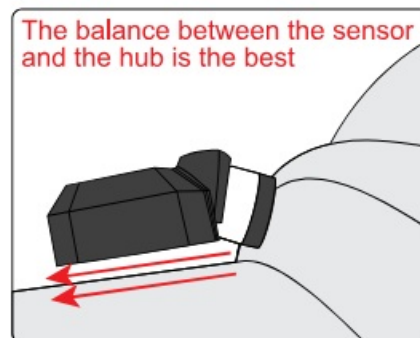


### Installation of inner sensor

1. Remove the original air nozzle, install the sensor into the air nozzle position, and adjust the best angle of the sensor on the hub. (As shown in the picture above o correctly installed)



2. Install the washer first, and then use the wrench to install the nut. After pumping up, close the nut and install it.



### Package contents

- Monitor (1)
- Anti-theft ring (7)
- Type-C (1)
- Battery wrench(1)
- Signal booster\*1 (optional)
- Sensors (6)
- Instructions (1)
- Bracket buckle (1)
- Square bracket (1)



Bracket buckle



Square bracket

## Troubleshooting

### 1. The display cannot be displayed normally

- **A** Confirm if the display is short of power or not (charge directly if so)
- **B** Confirm if the display cannot display tire pressure value
- **C** The sensor is short of power, 2. The signal is interfered with, and then the match again) Confirm if the display is short of codes (low-temperature cooling)
- **D** If the display is halted and displays in full screen (contact and return to the manufacturer or stay for 24 hours till it is recovered automatically)
- **E** If the above methods cannot solve this problem yet, contact the local distributor.

### 2. The sensor cannot work normally

- **A** Confirm if the sensor is short of power (replace the battery in time)
  - In case of an outer sensor, replace it with a CR1225 button cell in time
  - In case of a common outer sensor, replace with a CR1632 button cell in time
  - In case of an inner sensor, contact the distributor and return it to the manufacturer.
- **B** Confirm if the sensor is damaged due to external force (purchase another one and replace it)
- **C** Confirm that the normal work of the sensor and the vehicle is not affected in driving after the sensor is installed (potential risk! Too close distance between the air nozzle and the clip may result in the damage)
- **D** The sensor cannot be installed normally in case of a special vehicle during installation (contact the technical personnel of the manufacturer and seek a solution).
- **E** If the problem cannot be solved with the above methods, contact the local distributor.

### 3. When the icon of “short of power” appears on the display screen, and it continues being used, the display may be malfunctioned. At this time, charge the display to return it to normal.

### 4. The colours of the display screen are changed

- Confirm if the temperature inside the vehicle is too high (over 65 C).
- When the temperature returns to normal, it will be recovered to normal display.

#### 5. The update speed of the display screen becomes slower

- Confirm if the temperature inside the vehicle is too low (below -20°C).
- When the temperature returns to normal, it will be recovered to normal display.

#### 6. After the display is started again, there's no data display of tyres

- Only when the sensor detects that the tyre has a pressure change of over 1PSI, it will send a new pressure and temperature value to the display, so there's no data display of the tyre. The data will be displayed only after the vehicle is started.

#### 7. Two years warranty

##### • matters needing attention

- Please use the product following the operating instructions. The factory will not bear any responsibility for the consequences caused by misuse beyond the operating instructions.
- Please install the product under the operating instructions. The factory is not responsible for any consequences caused by incorrect installation per the operating instructions.
- Please set the alarm threshold according to the specifications and parameters provided by the tyre manufacturer and its dealers. TPMS factory is not responsible for the consequences caused by any error in setting the alarm threshold.
- TPMS installation must be handled by technicians. During use, care should be taken to maintain the sensors in the tyres and remove/load the tyres.
- This instruction manual is subject to change without notice if necessary.

#### Parameters of sensor

Specification of sensor/emitter
Working humidity: 100%
Weight: Inner sensor: 55g (NF+) (37g of air nozzle not included)
Outer sensor: 9.5g (WF)/6g (WI)
Dimension of inner sensor: 69mm*86mm*14.5mm (NF+) (L*W*H)
Dimension of outer sensor: 23mm*15mm (WF) (DIA*H)
18mm*13mm (WI) (DIA*H)
Standby current: 1uA
Standard: CTB160109001Q test report is issued by the test agency with legal qualifications
Test scope of pressure: 0 ~ 13.7bar (0 ~ 199 psi)
Test scope of temperature: -40°C~+125°C
Transmitting frequency: FSK433.92MHz

#### Notes for attention and statement

- This product applies only to the models of cars with an air pressure of tyre within 199PSI.
- The safety of Car tyres cannot be wholly dependent on this product. The tyres shall be checked regularly, and the tyres shall be ensured to be free from damages such as a pricked hole, cutting and swelling.
- When the product gives out an alarm, the driver shall stop the car for checking and handling.
- The product cannot forecast any sudden damage to the tyres as a result of external force.

- Do not operate the product while driving.
- The shelf life of the battery of the sensor is related to the driving mileage of the Car.
- Do not charge the monitor for a long time (to avoid shortening the battery life of the monitor).
- Please don't use the liquid tyre repair agent, or it may block the sensor detection hole.

## Notes for use

### Please read the following carefully before installing the product:

1. The display shall be installed at a place where the driving view is not blocked.
2. The display shall be ensured to be reinforced so that it will not fall off in the course of driving.
3. After the sensor is installed, confirm if the air nozzle is air leaking, apply some soap water at the air nozzle when necessary and check if any air leaking exists.
4. When the air pressure is too high, take care and prevent the tyre from bursting in driving, and when the air pressure is too low, take care of oil consumption and balance.
5. The product can monitor the tyres in real-time effectively, but it cannot guarantee any sudden occurrence of safety accidents of tyres. Therefore, choosing tyres of good quality is of equal importance to ensuring normal air pressure of tyres.
6. When the vehicle is driving, if the signal is interfered with, the signal of the display may be missing, and the use of the product may be affected. In this case, it shall be matched again.
7. If the display is not touched or vibrated within 3-5 minutes, it will hibernate automatically, and a slight vibration may trigger an automatic power-on test of the data transmitted by the sensor.
8. The connection between the display and the sensor is wireless. Several anti-interference functions have been designed and the possibility of it being interfered with is extremely low.
9. In the course of driving, due to thermal expansion and contraction, the air pressure of tyres may be changed towards slightly low or slightly high, and it's normal.
10. Generally, natural air leaking of the tyres may occur due to the natural aging of rubber products, and it's normal and has no direct relationship with installation of the product.
11. It's prohibited to dismantle, modify or change the product by yourself, and it's the responsibility of your own in case of your doing so which fails the normal work of the product.
12. The original air nozzle of the vehicle was a rubber one, it's recommended to be changed into an aluminium alloy one (for when the sensor is mounted onto the rubber air nozzle, the air nozzle may fly out due to the impact of centrifugal force at high-speed rotation).
13. The specification and technical parameters may be inconsistent with those in the user manual, for they may be changed from time to time due to upgrades or updates. They are subject to the actual product without prior notice, and the manufacturer reserves the right to interpret them.

	<a href="#">B-Qtech 550S-6 Tire Pressure Monitoring System Solar TPMS with Repeater</a> [pdf] User Manual 550S-6 Tire Pressure Monitoring System Solar TPMS with Repeater, 550S-6, Tire Pressure Monitoring System Solar TPMS with Repeater, Pressure Monitoring System Solar TPMS with Repeater, Monitoring System Solar TPMS with Repeater, System Solar TPMS with Repeater, TPMS with Repeater
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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