

Motorcycle Tire Pressure Monitoring System

User Manual

Important Note: Before use, always power on the main unit first, then install the sensors. The diagrams in this manual are for reference only; please refer to the actual product.

I. Installation and Usage Guide:

1. Press and hold the "Lower Button" power key for 3 seconds to turn on.



Press and hold for 3 seconds to power on/off

2. Install the anti-theft nut: (as shown in Fig. a) 3. Install the sensor: (as shown in Fig. b)

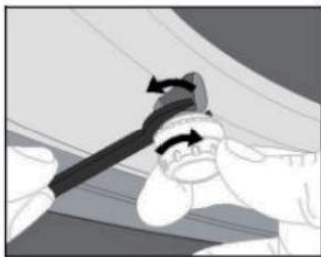


(Fig. a) Clockwise screw the anti-theft nut to the bottom of the tire valve



(Fig. b) Quickly tighten the sensor clockwise. Air leakage during installation is normal and will stop once the sensor is fully tightened.

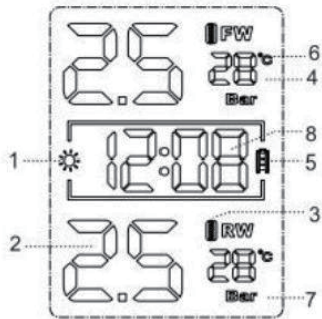
4. Lock the anti-theft nut (as shown in Fig. c)



(Fig. c) Use the wrench tool to tighten the anti-theft nut counterclockwise to secure the sensor

II. Display Screen Diagram:

A. Display Features/Interface



1. Solar charging
2. Tire pressure
3. Tire position
4. Tire temperature
5. Battery level
6. Temperature unit
7. Pressure unit
8. Clock

B. Button Functions:

- ☐ Magnetic charging
- Upper button (When powered on, press and hold to enter settings interface)
- Lower button (In standby mode, press and hold to power on)

III. Tire Pressure Parameters:

| Component | | External Sensor | Display Unit |
|-----------------------|---------------------|--------------------------|--------------------------|
| Item | Operating Frequency | 433.9200MHz±0.1MHz | |
| Operating Voltage | | 3V | 3.7V |
| Operating Current | | Static: 1μA | Static: ≤50μA |
| | | Operating current: ≤15mA | Operating current: ≤15mA |
| Operating Environment | Temperature | -20°C to +80°C | -40°C to +70°C |
| Monitoring Range | Temperature | -30°C to +99°C | |
| | Pressure | 0Bar to +6Bar | |
| Accuracy | Temperature | ±2°C | |
| | Pressure | ±0.1bar | |

IV. Battery Replacement:

When replacing the sensor battery, please disassemble and reassemble the housing one at a time. Do not mix or disassemble multiple units simultaneously; this effectively prevents sensors from being incorrectly installed in the wrong tire position.

(Button cell CR1632, operating temperature requirement: -20°C~70°C); users can purchase from product retailers.

1. Before removing the sensor, prepare the nut wrench, rotate the nut clockwise to separate it from the sensor, then unscrew the sensor counterclockwise
2. Use the wrench to unscrew the sensor top cover housing in a counterclockwise direction.
3. Remove the old battery from the battery clip and dispose of it properly in accordance with environmental regulations.
4. Note the positive and negative pole positions (positive "+" side facing up); install the new CR1632 battery.
5. Screw on the sensor top cover, then tighten it in a clockwise direction with the wrench.



a. Select sensor



b. Unscrew top cover with wrench



c. Insert new battery and screw top cover back, then install on valve stem (battery with text facing up)

FCC Caution:

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

NOTE: 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.

To maintain compliance with FCC ' s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.