

Tiardey CP026029

Tiardey Motorcycle TPMS Tire Pressure Monitoring System (Model CP026029) User Manual

Comprehensive Guide for Installation, Operation, and Maintenance

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Tiardey Motorcycle TPMS (Tire Pressure Monitoring System), Model CP026029. This system is designed to enhance road safety by continuously monitoring your motorcycle's tire pressure and temperature in real-time.

1.1 Key Features

- Real-time tire pressure and temperature monitoring.
- Wireless data transmission to the receiver display.
- Alarm functions for leak, low pressure, high temperature, low sensor battery, no signal, and low receiver power.
- USB rechargeable receiver with magnetic interface.
- Waterproof and dustproof design for durability.
- Easy installation with included mounting bracket and tools.

1.2 Package Contents

Please verify that all items listed below are included in your package:

- 1 x TPMS Monitor (Receiver)
- 2 x Tire Pressure Sensors
- 1 x Mounting Bracket
- 1 x USB Charging Cable
- 1 x User Manual (This document)
- 1 x Wrench (for sensor installation)
- 2 x Gaskets (for sensor installation)



Figure 1.1: All components included in the Tiardey TPMS package, including the monitor, two sensors, mounting bracket, charging cable, wrench, and gaskets.

2. SAFETY INFORMATION

Read all safety instructions before installing or operating the device. Failure to follow these instructions may result in injury or damage to the product.

- Ensure the device is securely mounted and does not obstruct your view or control of the motorcycle.
- Do not attempt to disassemble or modify the sensors or monitor.
- Always check tire pressure manually with a calibrated gauge periodically, as electronic systems can have minor discrepancies.
- Avoid exposing the device to extreme temperatures outside its operating range.
- Keep the charging port dry and clean to prevent damage.

3. SETUP AND INSTALLATION

3.1 Monitor Installation

1. Attach the mounting bracket to your motorcycle's handlebar or a suitable location using the provided clamps and screws. Ensure it is firmly secured.
2. Adjust the angle of the bracket for optimal viewing of the monitor.
3. Secure the TPMS monitor onto the mounting bracket. The bracket typically uses a screw-in or clip-on mechanism.



Figure 3.1: The TPMS monitor securely attached to the mounting bracket, ready for installation on a motorcycle handlebar.



Figure 3.2: Detailed view of the mounting bracket components, showing the clamp and adjustable head for securing the monitor.

3.2 Sensor Installation

The sensors are designed for external installation on the tire valve stems.

1. Ensure your tires are at the recommended pressure before installing the sensors.
2. Unscrew the original valve caps from your tire valve stems.
3. Place a gasket onto the valve stem, then screw on the sensor. Ensure the sensor is tightened securely using the provided wrench to prevent air leaks.
4. Repeat for the second tire.



Figure 3.3: The two tire pressure sensors, the specialized wrench for tightening, and the gaskets for a secure seal.

3.3 Initial Setup and Pairing

The sensors are typically pre-paired with the monitor from the factory. Upon powering on the monitor and installing the sensors, the system should automatically display tire pressure and temperature data. If data is not displayed, refer to the troubleshooting section or the specific pairing instructions in the included paper manual.

4. OPERATION

4.1 Display Functions

The monitor's display shows real-time data for both front and rear tires, including:

- Tire Pressure (e.g., in PSI or Bar)
- Tire Temperature (e.g., in °C or °F)
- Battery level of the monitor
- Individual sensor battery status

Refer to the specific icons and indicators on your monitor for detailed information.

4.2 Alarm Functions

The system is equipped with various alarm functions to alert you to potential issues:

- **Leak Warning:** Alerts if a rapid pressure drop is detected.
- **Low Pressure Warning:** Activates when tire pressure falls below a preset threshold.
- **High Temperature Warning:** Activates when tire temperature exceeds a preset threshold.
- **Low Sensor Battery Warning:** Indicates that a sensor's battery is low and needs replacement.
- **No Signal Warning:** Alerts if communication with a sensor is lost.
- **Low Receiver Power Warning:** Indicates the monitor's battery is low and requires charging.

When an alarm is triggered, the monitor will typically emit an audible alert and display a visual warning on the screen. Address any alarm promptly.

4.3 Charging the Receiver

The TPMS monitor features a built-in rechargeable battery. To charge:

1. Connect the provided USB charging cable to the magnetic charging port on the back of the monitor.
2. Connect the other end of the USB cable to a standard USB power source (e.g., a USB wall adapter, computer USB port, or motorcycle USB charger).
3. The charging indicator on the monitor will show the charging status.



Figure 4.1: The rear view of the TPMS monitor, highlighting the magnetic charging interface for convenient power replenishment.

5. MAINTENANCE

5.1 Sensor Battery Replacement

When a low sensor battery warning appears, the sensor battery will need to be replaced. Refer to the specific instructions in your paper manual for the correct battery type and replacement procedure. Typically, this involves carefully opening the sensor casing and replacing the coin cell battery.

5.2 Cleaning

Clean the monitor and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the device's surface or internal components. Ensure the charging port is free of debris.

6. TROUBLESHOOTING

If you encounter issues with your TPMS, refer to the following common problems and solutions:

- **No Display/Monitor Not Turning On:** Ensure the monitor is fully charged. Press and hold the power button for a few seconds.
- **No Tire Data Displayed:** Check if sensors are correctly installed and tightened. Ensure the monitor is within range of the sensors. If a sensor battery is low, replace it.
- **Inaccurate Readings:** Verify tire pressure with a reliable manual gauge. Ensure sensors are correctly installed and not loose.
- **Alarm Constantly Triggering:** Check actual tire pressure and temperature. If an alarm persists despite normal conditions, the sensor or monitor may require re-pairing or service.
- **Charging Issue:** Ensure the USB cable is properly connected and the power source is functional. Clean the magnetic charging contacts.

For persistent issues not resolved by these steps, please contact Tiardey customer support.

7. TECHNICAL SPECIFICATIONS

Parameter	Specification
Model Number	CP026029
Operating Temperature	-20 °C to 80 °C (-4 °F to 176 °F)
Storage Temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Power-on Voltage	DC 5V
Frequency	433.92 MHz ± 20.00 MHz
Item Weight	22 g (likely for a single component)
Manufacturer	Tiardey
Country of Origin	China

8. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or further assistance, please refer to the contact information provided with your purchase or visit the official Tiardey website. Keep your proof of purchase for any warranty-related inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question