

YOLLYK 231001gu0044

YOLLYK Tire Pressure Monitoring System User Manual

Model: 231001gu0044

Wireless Solar Power and USB Charger Monitor with 4 Sensors

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your YOLLYK Tire Pressure Monitoring System (TPMS). This system is designed to enhance driving safety by providing real-time monitoring of your vehicle's tire pressure and temperature, alerting you to potential issues before they become critical. Please read this manual thoroughly before using the product to ensure proper function and longevity.

PRODUCT OVERVIEW

Components

- 1 x TPMS Monitor Display Unit
- 4 x External Tire Pressure Sensors (labeled F.L, F.R, R.R, R.L for Front Left, Front Right, Rear Right, Rear Left)
- 1 x USB Charging Cable
- 4 x Anti-theft Nuts
- 1 x Wrench for Sensor Installation

Key Features

- **Real-Time Precision Monitoring:** Utilizes high-precision automotive chips for accurate and low-latency data on tire pressure and temperature.
- **Dual Charging Methods:** Equipped with a solar panel for continuous charging in sunlight and a USB port for charging in low-light conditions or indoors.

- **4 High-Precision External Sensors:** Durable, low power consumption, quick transmission, and high accuracy (error range ≈ 3 PSI).
- **5 Safe and Reliable Alarm Modes:** Includes fast leak alarm, high/low-pressure alarm, high-temperature alarm, and low battery alarm, providing immediate visual and audible warnings.
- **Customizable Limits:** Allows personalization of pressure and temperature alarm thresholds.

Product Visuals



Image: The complete YOLLY TPMS kit, showing the solar-powered monitor, four external sensors, USB charging cable, anti-theft nuts, and a wrench.



Image: The TPMS monitor display mounted on a vehicle dashboard, highlighting the various indicators such as tire temperature, tire pressure, pressure unit, temperature unit, and battery power.

FUNCTION



Image: Close-up view of the TPMS monitor's high-efficiency solar panel and a detailed view of a built-in sensor highlighting its airtightness.

5 ALARM METHODS AND REAL-TIME DETECTION



Fast Leak Alarm



High-Pressure Alarm



Low-Pressure Alarm



High-Temperature Alarm



Low Battery Alarm



Image: An illustration of the five alarm modes: Fast Leak Alarm, High-Pressure Alarm, Low-Pressure Alarm, High-Temperature Alarm, and Low Battery Alarm, shown alongside the monitor unit.

USB + SOLAR CHARGING

Dual charging methods all-weather monitoring.
No matter whether it is sunny or rainy there is
no need to worry about power problems.



**Solar
Charging**



**USB
Charging**

Image: Depiction of the dual charging capabilities of the TPMS monitor, showing both solar charging under sunlight and USB charging for convenience.

APPLICABLE TYPES OF VEHICLE



Image: Examples of vehicle types compatible with the TPMS, including Sedan, SUV, MPV, Pickup Truck, Mini Van, and ORV.

SETUP INSTRUCTIONS

Monitor Placement and Charging

Place the TPMS monitor on your vehicle's dashboard in a location where it receives direct sunlight for optimal solar charging and is easily visible to the driver. Ensure the view is not obstructed. For initial setup or when solar charging is insufficient, connect the monitor to a USB power source using the provided cable until fully charged.

Sensor Installation

Follow these steps to install the external sensors on your vehicle's tires:

1. **Prepare the Valve Stem:** Remove the original valve cap from the tire's valve stem. Screw one of the anti-theft nuts onto the valve stem.

2. **Attach the Sensor:** Identify the correct sensor for each tire (F.L for Front Left, F.R for Front Right, R.R for Rear Right, R.L for Rear Left). Screw the corresponding sensor onto the valve stem until it is hand-tight.
3. **Secure the Sensor:** Use the provided wrench to tighten the anti-theft nut against the sensor. This prevents the sensor from being easily removed and helps secure it in place.
4. **Check for Leaks:** After installation, apply soapy water around the valve stem and sensor connection point. Look for bubbles, which indicate an air leak. If a leak is detected, re-tighten the sensor and nut.

SENSOR INSTALLATION

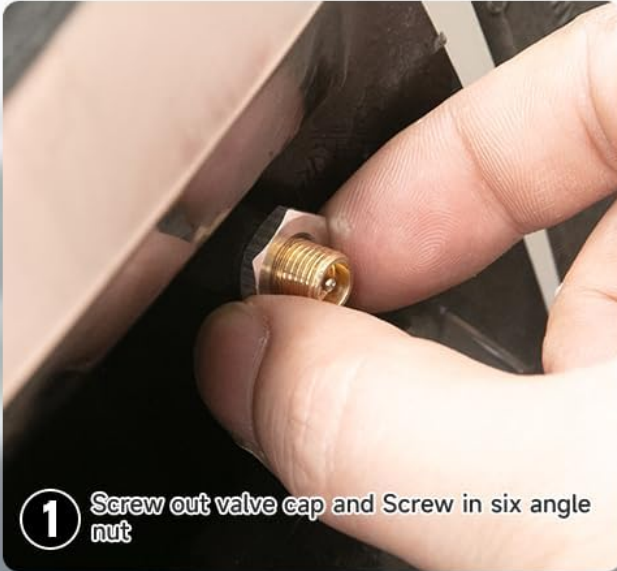


Image: A four-step visual guide demonstrating the sensor installation process: 1) Screwing on the anti-theft nut, 2) Rotating the sensor cover to the correct position, 3) Tightening the sensor with the wrench, and 4) Checking for air leaks with soapy water.

Once all sensors are installed and the monitor is powered on, the system should automatically begin displaying tire pressure and temperature readings. It may take a few minutes for all sensors to register, especially during initial setup or after a long period of inactivity.

OPERATING INSTRUCTIONS

Understanding the Display

The colorful LCD display provides real-time information for all four tires. The screen typically shows:

- **Tire Pressure:** Displayed in PSI or Bar (user-selectable).
- **Tire Temperature:** Displayed in Celsius or Fahrenheit (user-selectable).
- **Vehicle Icon:** A central icon representing your vehicle, with indicators for each tire's status.
- **Battery Level:** Indicates the charge level of the monitor's internal battery.
- **Sensor Battery Status:** Small icons near each tire's reading may indicate the battery status of individual sensors.



Image: The TPMS monitor display on a dashboard, illustrating the various data points and controls, including tire temperature, tire pressure, pressure unit, temperature unit, and battery power indicators.

Alarm Modes and Warnings

The system is equipped with 5 alarm modes to alert you to abnormal tire conditions:

- **Fast Leak Alarm:** Activates when a rapid drop in tire pressure is detected.
- **High-Pressure Alarm:** Sounds when tire pressure exceeds the preset high limit.

- **Low-Pressure Alarm:** Sounds when tire pressure falls below the preset low limit.
- **High-Temperature Alarm:** Activates when tire temperature exceeds the preset high limit.
- **Low Battery Alarm:** Alerts when the monitor's or a sensor's battery is low.

When an alarm is triggered, the monitor will typically emit an audible warning and visually highlight the affected tire(s) on the display. Address any alarms promptly to ensure driving safety.

Setting Pressure and Temperature Limits

Refer to the specific buttons on your monitor (usually labeled 'M' for Menu/Mode and arrow buttons for adjustment) to enter the settings menu. From there, you can adjust the high and low pressure thresholds and the high temperature threshold according to your vehicle's recommended tire specifications and your preferences. Consult your vehicle's owner's manual for recommended tire pressure values.

MAINTENANCE

Monitor Charging

Ensure the monitor's solar panel is kept clean and unobstructed to maximize solar charging efficiency. If the monitor's battery level is consistently low, charge it via the USB port.

Sensor Battery Replacement

The external sensors are designed for long battery life. When a sensor's battery is low, the monitor will display a low battery warning for that specific tire. To replace the battery:

1. Unscrew the sensor from the tire valve stem.
2. Carefully open the sensor casing (some models may require a small tool or twisting).
3. Remove the old button cell battery (e.g., CR1632).
4. Insert a new battery of the same type, ensuring correct polarity.
5. Close the sensor casing securely and re-install the sensor on the tire valve stem, following the installation steps in the Setup section.

Cleaning

Wipe the monitor and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the surfaces or internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor not turning on or display is blank.	Low battery or no power.	Charge the monitor using the USB cable. Ensure it's placed in direct sunlight for solar charging.

Problem	Possible Cause	Solution
Sensor readings are not displayed or are inaccurate.	Sensor not properly installed, sensor battery low, or interference.	<p>Re-install the sensor, ensuring it's tightened correctly and no air leaks are present.</p> <p>Check the sensor's battery and replace if necessary.</p> <p>Drive the vehicle for a few minutes; sensors often activate and transmit data when motion is detected.</p> <p>Ensure no strong electromagnetic interference sources are near the monitor or sensors.</p>
Alarm sounds frequently.	Tire pressure/temperature is genuinely outside limits, or alarm limits are set too narrowly.	<p>Check actual tire pressure with a reliable gauge and adjust if needed.</p> <p>Verify tire temperature.</p> <p>Adjust the alarm thresholds on the monitor to match your vehicle's recommended specifications.</p>
Display shows "----" or "LO" for a tire.	Sensor signal loss or sensor battery low.	<p>Check sensor installation and ensure it's secure.</p> <p>Replace the sensor battery.</p> <p>Drive the vehicle to re-establish connection.</p>

SPECIFICATIONS

Attribute	Value
Brand	YOLLY
Model	Tire Pressure Monitoring System
Item Model Number	231001gu0044
Item Weight	7.8 ounces
Package Dimensions	6.81 x 4.61 x 2.24 inches
Batteries	4 Lithium Ion batteries required (included)
Monitoring Range (Pressure)	Error range \approx 3 PSI

WARRANTY AND SUPPORT

Warranty Information

Your YOLLYKY Tire Pressure Monitoring System comes with a **365 Days of Unrestricted Mileage Guarantee**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty claims, please contact YOLLYKY customer support. Contact details are typically found on the product packaging or the seller's official website. We are committed to ensuring your satisfaction with our product.