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B-Qtech T600

B-Qtech T600 Solar Tire Pressure Monitoring System (TPMS) User Manual

Model: T600 | Brand: B-Qtech

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your B-Qtech T600 Solar Tire Pressure Monitoring System (TPMS). This system is designed to enhance driving safety by providing real-time tire pressure and temperature data for cars, trucks, RVs, trailers, and campers.



Image: The B-Qtech T600 TPMS monitor with a solar panel and four flow-thru sensors.

What's in the Box

- TPMS monitor *1
- Sensor *4
- USB power cord *1
- Anti-slip mat *1
- Theftproof nut *4
- Spanner *1



Image: A visual representation of the product accessories included in the package.

Specifications

Feature	Detail
Brand	B-Qtech
Model	T600
Item Weight	1.1 pounds
Package Dimensions	8.6 x 6.4 x 2.7 inches
Batteries	5 Lithium Polymer batteries required (included)
Pressure Detection Accuracy	±2 PSI
Temperature Detection Accuracy	±3°F
Pressure Monitoring Range	0-199 PSI
Temperature Monitoring Range	-40°F to 257°F
Sensor Waterproof Rating	IP67



Image: The monitor displaying its wide temperature and pressure monitoring ranges.

Setup

Monitor Placement and Charging

Place the TPMS monitor on your dashboard. It features a solar panel for continuous charging during daylight and can also be charged via the supplied USB cable for cloudy days or extended use. The 2200mAh explosion-proof lithium battery ensures reliable operation.



Image: The TPMS monitor highlighting its dual solar and USB charging options.

Sensor Installation

The system includes 4 flow-thru sensors designed for easy installation on metal valve stems. These sensors are IP67 waterproof and feature durable brass nozzles.

1. Ensure the monitor is powered on before installing sensors.
2. Unscrew the original valve cap from the tire valve.
3. Install the supplied anti-theft hex nut onto the tire valve.
4. Screw the flow-thru sensor clockwise onto the tire valve.
5. Use the provided spanner to tighten the anti-theft hex nut counterclockwise against the sensor to secure it. This prevents easy removal.
6. Repeat for all four tires. Each sensor is marked (e.g., LF for Left Front) to ensure correct placement.



Image: Visual guide for installing the flow-thru sensors, including the anti-theft nut.

Note: The flow-thru design allows for tire inflation without removing the sensor, simplifying maintenance.

Sensor Installation Video Guide

Your browser does not support the video tag.

Video: A step-by-step guide demonstrating the installation process for the flow-thru sensors.

Operating Instructions

Real-Time Monitoring

The B-Qtech T600 TPMS utilizes a German Infenion chip for high accuracy and rapid feedback. It updates tire pressure and temperature data every 3 seconds, displaying it clearly on the monitor. The system automatically activates when driving and enters an energy-saving sleep mode after 15 minutes of parking.



Image: The monitor screen showing real-time pressure and temperature readings for each tire.

Customizable Alert Modes

The system provides 7 custom alert modes to notify you of potential tire issues:

- High Pressure Alarm (0-199 PSI range)
- Low Pressure Alarm (0-199 PSI range)
- Tire Overheating Alarm
- Rapid Air Loss Alarm
- Sensor Low Battery Alarm
- Monitor Low Battery Alarm
- Sensor Malfunction Alarm

These audible and visual alarms help extend tire lifespan, improve fuel efficiency, and enhance overall driving safety.



Image: An illustration of the multi-alert system, showing icons for different warnings.

You can customize the upper and lower limit alarm values for tire pressure and switch between PSI/BAR and °F/°C units.



Image: The monitor interface for customizing alarm thresholds and measurement units.

Maintenance

Sensor Battery Replacement

The external sensors use long-lasting CR1632 batteries. Users can easily replace these batteries using the provided tool, eliminating the need for professional servicing.

1. Unscrew the sensor from the tire valve.
2. Use the battery replacement tool (or a suitable coin) to open the sensor casing.
3. Remove the old CR1632 battery and insert a new one, ensuring correct polarity.
4. Close the sensor casing securely and re-install the sensor on the tire valve, tightening the anti-theft nut.

General Care

- Keep the monitor clean and free from dust.

- Ensure the solar panel on the monitor is not obstructed for optimal charging.
- Regularly check the anti-theft nuts on the sensors to ensure they are tight.

Troubleshooting

If you encounter any issues with your B-Qtech T600 TPMS, please refer to the following common solutions:

- **No Signal from Sensor:** Ensure the sensor is correctly installed and tightened. Check the sensor battery. If the issue persists, try re-pairing the sensor (refer to "Sensor Pairing" section).
- **Inaccurate Readings:** Verify that the tire pressure was set correctly before installation. Ensure sensors are installed on the correct tire positions.
- **Monitor Not Turning On:** Check the USB power connection. Ensure the monitor's internal battery is charged (via solar or USB).
- **Alarms Triggering Frequently:** Review your custom alarm thresholds to ensure they are set appropriately for your vehicle's recommended tire pressure.

For further assistance, please contact B-Qtech customer support.

Sensor Pairing

To ensure accurate readings, sensors must be correctly paired with the monitor. Follow these steps:

1. Turn on the monitor.
2. Access the pairing menu on the monitor (specific steps may vary slightly based on firmware, refer to on-screen prompts).
3. Select the desired tire position on the monitor for pairing.
4. Place the sensor for that position next to the monitor's antenna. The monitor should display "TPMS PAIRING..." and then "STATE:PAIR OK" upon successful pairing.
5. The monitor will then display the current pressure value for the paired tire.
6. Repeat for all remaining sensors.

Important: When pairing sensors, keep other sensors at least two feet away to prevent incorrect pairing.

Sensor Pairing Video Guide

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Video: A demonstration of how to pair the TPMS sensors with the monitor.

Deleting Sensor ID

If you need to replace a sensor or clear a sensor ID, follow these steps:

1. In standby mode, press the "Setting" option on the monitor.
2. Navigate to the "Pair TPMS Sensor" menu.
3. Select the desired tire position whose sensor ID you wish to delete.
4. Choose the "DELETING" option. The monitor will confirm "State: Delete OK".
5. Press "EXIT" to return to standby mode. The sensor ID for that position has been deleted.

Deleting Sensor ID Video Guide

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Video: Instructions on how to delete a sensor ID from the TPMS monitor (starting at 2:25 in the video).

Warranty and Support

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official B-Qtech website. Keep your purchase receipt for warranty claims.

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