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GUTA GT80+GS02

GUTA GT80+GS02 RV Tire Pressure Monitoring System User Manual

Model: GT80+GS02

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GUTA GT80+GS02 RV Tire Pressure Monitoring System (TPMS). This system is designed to enhance driving safety by continuously monitoring tire pressure and temperature for RVs, trailers, pickup trucks, and 5th wheels. The GUTA GT80+GS02 features a 4.3-inch full-color touchscreen display, 4 external cap sensors, and a signal booster to ensure reliable data transmission over long distances. It provides real-time data and alerts for various tire conditions, helping you maintain optimal tire performance and prevent potential hazards.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x 4.3" Touchscreen Monitor
- 1 x Stylus Pen
- 1 x Suction Cup Mount
- 1 x USB Charging Cable
- 1 x Signal Booster
- 4 x Cap Sensors
- Accessories (security nuts, wrench, O-rings)



Image: The main components of the GUTA GT80+GS02 TPMS, including the monitor, signal booster, and four cap sensors.

3. SETUP AND INSTALLATION

3.1 Monitor Installation

1. Attach the suction cup mount to the back of the 4.3-inch touchscreen monitor.
2. Clean the desired mounting area on your vehicle's dashboard or windshield.
3. Securely attach the suction cup mount to the cleaned surface. Adjust the monitor angle for optimal visibility.
4. Connect the monitor to a power source using the provided USB cable.

4.3" Full-Color Touchscreen

Real-time monitoring of tire pressure & temperature



Image: The GUTA TPMS monitor displayed on a vehicle dashboard, showing real-time tire data.

3.2 Sensor Installation

The sensors are pre-labeled and paired with the monitor at the factory. Ensure your vehicle has metal valve stems for optimal sensor performance and longevity.

1. Identify the correct tire for each sensor using the labels.
2. Remove the original valve cap from the tire valve stem.
3. Screw on the anti-theft hexagonal nut (if using) onto the valve stem.
4. Screw the cap sensor onto the valve stem until it is hand-tight.
5. Tighten the anti-theft nut against the sensor using the provided wrench.

Wireless Pairing & Spare Tire Monitoring



Image: A close-up view of a GUTA cap sensor being installed on a tire valve stem, demonstrating the ease of external sensor setup.

3.3 Signal Booster Installation

For longer trailers (total length ≥ 40 ft), using the signal booster is highly recommended to ensure stable and reliable signal transmission.

1. Install 3 AAA batteries (not included) into the signal booster.
2. Mount the signal booster in a central location on your RV or trailer, ensuring it has a clear line of sight to both the sensors and the monitor.
3. The booster extends the sensor signal transmission distance and enhances stability.

Factory Paired, Easy to Install

Signal Booster for Large Vehicles



Image: A visual representation of the GUTA TPMS system components (display, repeater, cap sensor) in a truck and trailer configuration, illustrating signal flow.

4. OPERATION

4.1 Powering On/Off and Display

- The monitor automatically powers on when vibration is detected (e.g., when you start driving).
- It enters power-saving sleep mode after 10 minutes of no motion or vibration.
- The 4.3-inch full-color touchscreen displays real-time tire pressure (0-188 PSI) and temperature (up to 185 °F).

Intelligent Sleep and Awake Mode

The display wakes up with vibration when getting in the car and enters sleep mode 10 minutes after parking



Wake up when getting in the car



Energy-saving sleep mode after parking for 10 mins

Image: A split image illustrating the monitor's intelligent sleep mode (after 10 minutes of no activity) and awake mode (triggered by vibration).

4.2 Customizable Settings

The touchscreen interface allows for easy adjustment of settings:

- **Unit Switching:** Easily switch between PSI and BAR for pressure units, and °C and °F for temperature units.
- **Alarm Thresholds:** After sensor installation, the system automatically sets the current pressure as the reference point. You can then set alarm thresholds within a range of +25% to -15% of this reference pressure.
- **Vehicle Type Selection:** Switch between 5 vehicle types (Truck, RV, Trailer, Camper, 5th Wheel) to match your setup.

Smart Operation on Touch Screen Display

Easy setup and ready to go



- ✓ 1. Simplifies settings with easy unit switching (PSI/BAR, °F/°C), no complex buttons.
- ✓ 2. Sound prompts ensure precise, user-friendly operations.
- ✓ 3. Supports software updates for the latest features and improvements.

Image: A user interacting with the GUTA TPMS touchscreen using a stylus, demonstrating the intuitive interface for settings adjustments.

Universal for Most Large Vehicles

RVs, Trailers, Motorhomes, Fifth wheels & More



Image: The GUTA TPMS display showing the vehicle type selection menu, allowing users to choose the appropriate vehicle configuration.

4.3 Advanced Alert System

The system features 6 alarm modes to notify you of potential tire issues:

- Low Tire Pressure Alerts
- High Tire Pressure Alerts
- High-Temperature Alerts
- Fast Leak Alerts
- Missing Sensor Signal Alerts
- Low Sensor Battery Alerts

Visual and audio warnings are provided immediately when tire data deviates from preset safety parameters.

Guide Your Driving Safety



Image: A graphic illustrating the GUTA TPMS alert system, with alarm icons for low pressure, high pressure, high temperature, fast leaks, disconnected sensors, and low sensor battery.

5. MAINTENANCE

- **Firmware Updates:** Regular firmware updates are available via the GUTA website to enhance system longevity and performance. Check the official GUTA website for the latest updates.
- **Sensor Battery Replacement:** The cap sensors feature replaceable batteries. Refer to the GUTA website or contact customer support for instructions on how to replace sensor batteries.
- **Cleaning:** Use a soft, dry cloth to clean the monitor and sensors. Avoid using harsh chemicals or abrasive materials.

6. TROUBLESHOOTING

6.1 Frequently Asked Questions

- Why do I need a TPMS?

A TPMS monitors tire pressure and temperature in real-time, eliminating the need for manual checks. It alerts you to tire abnormalities during travel, helping to prevent dangers associated with under-inflated or over-inflated tires.

- **Why do I need a repeater?**

A repeater extends the sensor signal transmission distance and enhances signal stability, especially crucial for longer vehicles like RVs and trailers (total length \geq 40ft).

- **Can TPMS prevent puncture accidents?**

TPMS monitors air pressure and temperature over time. It cannot prevent punctures caused by sharp objects or sudden tire damage, but it will alert you to the resulting pressure loss.

6.2 Common Issues and Solutions

- **No Signal from Sensors:**

- Ensure sensors are correctly installed and tightened.
- Verify the signal booster is powered on and positioned correctly, especially for long vehicles.
- Check sensor batteries.
- If the issue persists, re-pair the sensors (refer to the GUTA website for detailed pairing instructions if needed, though they are factory-paired).

- **Inaccurate Readings:**

- Ensure sensors are securely attached and not leaking air.
- Calibrate the system by setting current pressure as the reference point in settings.
- Compare readings with a reliable manual gauge.

- **Monitor Not Turning On:**

- Check if the monitor is properly connected to a power source.
- Ensure the vehicle is in motion to activate the awake mode, or manually power it on if applicable.

7. SPECIFICATIONS

| Feature | Specification |
|--------------------|--|
| Model Number | GT80+GS02 |
| Display Type | 4.3" Touchscreen Color LCD |
| Pressure Range | 0-188 PSI |
| Temperature Range | Up to 185 °F (85 °C) |
| Number of Sensors | 4 Cap Sensors |
| Transmission Range | Up to 164 feet (with signal booster) |
| Power Saving Mode | Automatic sleep after 10 minutes of inactivity |
| Item Weight | 1.94 pounds |
| Package Dimensions | 9.05 x 6.7 x 3.15 inches |

8. SUPPORT AND WARRANTY

For any issues, questions, or professional support regarding your GUTA TPMS, please visit the official GUTA website or contact their customer service. Regular firmware updates are also available on the GUTA website to ensure your system operates with the latest features and improvements.

GUTA is committed to the safety of automobile tire pressure and provides support for their products.
