**Aramox B0888LM1GB**

# Aramox TPMS Tire Pressure Monitoring System with 4 Internal Sensors (Model B0888LM1GB) User Manual

## 1. Product Overview

The Aramox Tire Pressure Monitoring System (TPMS) is designed to provide real-time monitoring of your vehicle's tire pressure and temperature. This system includes an LCD display unit that plugs into your car's cigarette lighter socket and four internal sensors for accurate data collection. It enhances driving safety by alerting you to abnormal tire conditions.




Image 1.1: The TPMS monitor integrated into a vehicle's interior, displaying real-time tire data.

### Key Features:

- **Real-time Monitoring:** Displays pressure and temperature for all four tires simultaneously.
- **Internal Sensors:** Four durable internal sensors provide accurate and reliable data.
- **LCD Display:** High-definition screen for clear and timely data readability.
- **Cigarette Lighter Power:** Convenient power supply directly from your vehicle's cigarette lighter.
- **USB Charging Port:** Integrated USB port for charging mobile devices.
- **Individual ID Codes:** Each sensor has a unique ID code, allowing for tire position interchangeability.

## 2. Package Contents

Verify that all components are present in the package before proceeding with installation.




Image 2.1: Complete package contents of the Aramox TPMS.

### Included Items:

- 1 x TPMS Monitor Display Unit
- 4 x Internal Tire Pressure Sensors (marked LF, RF, LR, RR for Left Front, Right Front, Left Rear, Right Rear)
- 1 x Cigarette Lighter Power Adapter
- 1 x USB Charging Cable
- 1 x Mounting Bracket
- Installation Accessories (e.g., valve stems, hex wrench)

## 3. Specifications

| Component | Specification |
| --- | --- |
| Monitor Working Temperature | -20°C to +80°C (-4°F to +176°F) |

| Component | Specification |
|---|---|
| Monitor Storage Temperature | -30°C to +85°C (-22°F to +185°F) |
| Input Voltage | DC 8V-16V |
| Transmitting Frequency | 433.92 MHz |
| Sensor Working Temperature | -40°C to +105°C (-40°F to +221°F) |
| Sensor Storage Temperature | -40°C to +120°C (-40°F to +248°F) |
| Pressure Range | 0-116 psi (0-8 bar) |
| Pressure Accuracy | ±1.5 PSI (±0.1 bar) |
| Temperature Accuracy | ±3°C |
| Transmitting Power | <10dbm@50Ω |
| Transmitting Distance | >80 meters |
| Waterproof Rating (Sensors) | IP5K4K |
| Material | Acrylonitrile Butadiene Styrene (ABS Plastic) |
| Dimensions (Monitor) | Approximately 3.94 x 3.94 x 3.94 inches |
| Item Weight | Approximately 0.41 Kilograms (14.4 ounces) |

## 4. Setup and Installation

### 4.1 Internal Sensor Installation

The internal sensors are designed to be installed inside the tire rim, replacing the standard valve stems. This process typically requires dismounting the tires from the rims. **Professional installation by a qualified tire technician is highly recommended** to ensure proper sealing, balancing, and sensor functionality. The sensors are marked for specific wheel positions (LF, RF, LR, RR) and should be installed accordingly.

1. **Power On Monitor:** Ensure the monitor unit is powered on before installing the sensors. This allows the pre-programmed control unit to detect the sensors correctly.
2. **Dismount Tire:** Carefully dismount the tire from the wheel rim.
3. **Remove Old Valve Stem:** Remove the existing valve stem.
4. **Install TPMS Sensor:** Insert the appropriate internal TPMS sensor (LF, RF, LR, RR) into the valve stem hole from the inside of the rim. Secure it according to the sensor's design, ensuring a tight seal.
5. **Mount Tire:** Remount the tire onto the rim.
6. **Inflate Tire:** Inflate the tire to the recommended pressure. Inflating the tire activates the internal sensor, causing it to transmit a signal to the monitor.
7. **Repeat for all Tires:** Repeat steps 2-6 for the remaining three tires.
8. **Wheel Balancing:** After installation, it is crucial to re-balance all wheels to prevent vibrations and uneven tire wear.

### 4.2 Monitor Setup

The monitor unit is designed for easy plug-and-play operation.

1. **Connect Power:** Plug the monitor's cigarette lighter adapter into your vehicle's 12V cigarette lighter socket. The

monitor should power on automatically.

2. **Position Monitor:** Use the provided mounting bracket to secure the monitor in a visible location on your dashboard or windshield, ensuring it does not obstruct your view or interfere with driving controls.
3. **USB Charging:** The integrated USB port can be used to charge compatible mobile devices.




Image 4.1: Rear view of the monitor, illustrating power connection.

## 5. Operating Instructions

### 5.1 Display Overview

The LCD display shows real-time pressure and temperature for each tire, along with a visual representation of the vehicle and battery voltage.




Image 5.1: Detailed view of the LCD display showing tire data.

- **Tire Positions:** Readings are typically arranged to correspond to the vehicle's layout (Front Left, Front Right, Rear Left, Rear Right).
- **Pressure Units:** Pressure is displayed in Bar or PSI.
- **Temperature Units:** Temperature is displayed in Celsius (°C).
- **Battery Voltage:** The display may also show the vehicle's battery voltage.

## 5.2 Initial Reading and Activation

After installation and powering on the monitor, it may take a few minutes of driving for the sensors to transmit data and for the display to show initial readings. The sensors activate upon tire rotation and pressure changes.

## 5.3 Setting Parameters (if applicable)

Refer to the specific buttons on your monitor (e.g., 'SET', arrow buttons) to access and adjust settings such as:

- **Pressure Units:** Switch between PSI and Bar.

- **Temperature Units:** Switch between Celsius and Fahrenheit (if supported).
- **High/Low Pressure Alarms:** Set desired thresholds for alerts.
- **High Temperature Alarms:** Set desired thresholds for alerts.

Consult the quick start guide included in your package for detailed instructions on navigating the menu and adjusting settings.

## 6. Maintenance

- **Monitor Cleaning:** Wipe the monitor display with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Sensor Longevity:** Internal sensors are designed for long-term use. Their batteries are typically non-replaceable and sealed for durability. The expected lifespan is several years under normal operating conditions.
- **Regular Tire Checks:** Even with a TPMS, it is advisable to perform manual tire pressure checks periodically with a calibrated gauge.
- **Storage:** If storing the vehicle for an extended period, ensure the monitor is disconnected from the power source.

## 7. Troubleshooting

### Common Issues and Solutions:

- **No Display/Monitor Not Powering On:**
  - Check if the cigarette lighter socket is receiving power (test with another device).
  - Ensure the monitor's power plug is fully inserted into the cigarette lighter socket.
  - Check the vehicle's fuse for the cigarette lighter socket.
- **Sensor Reading Missing or Inaccurate:**
  - **Initial Setup:** It may take a few minutes of driving for sensors to activate and transmit data.
  - **Signal Interference:** Ensure no strong electronic devices are interfering with the signal.
  - **Sensor Battery:** Internal sensor batteries have a finite lifespan. If a sensor consistently fails to report, its battery may be depleted, requiring sensor replacement.
  - **Re-pairing Sensors:** If a sensor loses connection, you may need to re-pair it with the monitor. This procedure typically involves entering a pairing mode on the monitor (consult your quick start guide for specific steps), then activating the sensor by letting some air out of the tire until it transmits a signal, and saving its position. This might require re-pairing all sensors.
- **Alarm Sounds Continuously:**
  - Check the displayed pressure and temperature values. If they are outside the set thresholds, address the tire condition (inflate/deflate, inspect for damage).
  - Verify alarm thresholds are set correctly in the monitor's settings.
- **Inconsistent Readings:**
  - Ensure sensors are correctly installed and sealed.
  - Compare readings with a reliable manual tire gauge. If discrepancies persist, professional inspection of the sensors is recommended.

## 8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your

purchase or visit the official Aramox website. Keep your purchase receipt as proof of purchase for warranty claims.

## 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.

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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