

BARTEC USA RS-2000-10R

Bartec USA RITE-Sensor Sleeve Pack (RS-2000-10R) Instruction Manual

Brand: BARTEC USA | **Model:** RS-2000-10R

1. INTRODUCTION

Welcome to the instruction manual for the Bartec USA RITE-Sensor Sleeve Pack, model RS-2000-10R. This pack contains 10 programmable Tire Pressure Monitoring System (TPMS) sensors, each equipped with a rubber valve stem. These sensors are designed to operate on dual frequencies (315 MHz & 433 MHz) and are fully compatible with Bartec TPMS tools. This manual provides essential information for the proper installation, programming, and maintenance of your RITE-Sensors, ensuring optimal performance and vehicle safety. The RS-2000-10R offers a single-SKU solution that covers over 98% of vehicles, simplifying inventory and application.

2. PRODUCT OVERVIEW

The Bartec RITE-Sensor is a high-quality, programmable replacement TPMS sensor engineered for broad vehicle compatibility and reliable performance. This sleeve pack provides a convenient solution for workshops and technicians.

2.1. What's in the Box

- 10 x RITE-SENSOR Programmable TPMS Sensors
- 10 x Rubber Valve Stems (pre-attached or included for assembly)

2.2. Key Features

- **Dual Frequency Operation:** Covers both 315 MHz and 433 MHz, ensuring compatibility with a wide range of vehicles.
- **Programmable:** Designed for programming with Bartec TPMS tools.
- **Rite-Sync Technology:** Features in-wheel programming capability for efficient setup.
- **Backward Compatible:** Fully compatible with the RS-1000 series.

- **Software Compatibility:** Works with Bartec tools running software update R66.0/6.0 and newer.
- **Rubber Valve Stems:** Includes durable rubber valve stems only (metal stems are not included).

2.3. Product Images



Figure 1: The Bartec RITE-Sensor sleeve pack box, showcasing one sensor and a loose sensor with a rubber valve stem. The box highlights dual frequency capability and Bartec USA branding.



Figure 2: A view of multiple Bartec RITE-Sensor boxes, illustrating the sleeve pack quantity. Each box contains one programmable TPMS sensor.



Figure 3: A top-down view of ten individual Bartec RITE-Sensors, each complete with its rubber valve stem, ready for installation or programming.



Figure 4: Ten individual boxes of Bartec RITE-Sensors, demonstrating how the sensors are packaged within the sleeve pack for easy distribution and storage.

3. SETUP AND INSTALLATION

Proper setup and installation are crucial for the correct functioning of your RITE-Sensors. It is recommended that installation and programming be performed by a qualified technician.

3.1. Pre-Installation Checks

- Ensure you have a compatible Bartec TPMS tool with software version R66.0/6.0 or newer.
- Verify that the vehicle's make, model, and year are supported by the RITE-Sensor.
- Inspect each sensor and rubber valve stem for any visible damage before installation.

3.2. Sensor Installation

1. Carefully remove the old TPMS sensor and valve stem from the wheel.

2. Mount the new RITE-Sensor with its rubber valve stem into the wheel's valve hole, ensuring a secure fit.
3. Tighten the valve stem nut to the manufacturer's specified torque. *Overtightening can damage the sensor or valve stem.*
4. Mount the tire onto the wheel, taking care not to damage the sensor during the process.
5. Inflate the tire to the vehicle manufacturer's recommended pressure.

3.3. Sensor Programming

The RITE-Sensor utilizes Bartec's Rite-Sync technology for efficient programming, including in-wheel programming capabilities.

1. Connect your Bartec TPMS tool to the vehicle's OBD-II port (if required for the specific vehicle model).
2. Select the correct vehicle make, model, and year on your Bartec tool.
3. Follow the on-screen prompts to program the new RITE-Sensor(s). This may involve placing the tool near each sensor.
4. Once programmed, the tool will guide you through the relearn procedure for the vehicle's TPMS system. This step is crucial for the vehicle's computer to recognize the new sensors.
5. Confirm that all sensors are recognized and displaying correct pressure readings on the vehicle's dashboard or via the TPMS tool.

4. OPERATING THE RITE-SENSOR

Once installed and programmed, the RITE-Sensors operate automatically as part of your vehicle's Tire Pressure Monitoring System. They continuously monitor tire pressure and transmit data wirelessly to the vehicle's onboard computer.

- **Pressure Monitoring:** The sensors measure the internal air pressure of each tire.
- **Temperature Monitoring:** Some TPMS systems also monitor tire temperature, which the sensor may transmit.
- **Warning Indicators:** If a tire's pressure drops below a predetermined threshold, the sensor will trigger a warning light on your vehicle's dashboard, alerting the driver to a potential issue.
- **Dual Frequency:** The ability to transmit on both 315 MHz and 433 MHz ensures broad compatibility and reliable communication with the vehicle's receiver.

Always refer to your vehicle's owner's manual for specific information regarding your vehicle's TPMS operation and warning indicators.

5. MAINTENANCE

RITE-Sensors are designed for durability and long-term performance. While they require minimal maintenance, adhering to best practices can extend their lifespan and ensure accurate readings.

- **Regular Tire Pressure Checks:** Even with TPMS, it is good practice to manually check tire pressure regularly with a reliable gauge.
- **Valve Stem Care:** The rubber valve stems are consumables. They should be inspected for cracks or damage and replaced whenever tires are serviced or replaced.
- **Battery Life:** RITE-Sensors contain internal batteries designed to last for several years under normal operating conditions. Sensor batteries are not user-replaceable. When a sensor's battery depletes, the entire

sensor typically needs replacement.

- **Professional Service:** Any tire service, including rotation, repair, or replacement, should be performed by professionals who are aware of TPMS sensors and can handle them without damage.

6. TROUBLESHOOTING

If you encounter issues with your RITE-Sensors or the vehicle's TPMS, consider the following common problems and solutions:

6.1. TPMS Warning Light Remains On

- **Incorrect Tire Pressure:** Check and adjust all tire pressures to the vehicle manufacturer's specifications.
- **Improper Relearn Procedure:** Ensure the TPMS relearn procedure was completed correctly after sensor installation. Refer to your vehicle's service manual or Bartec tool instructions.
- **Sensor Not Programmed:** Verify that all new RITE-Sensors have been successfully programmed using a Bartec TPMS tool.
- **Sensor Battery Depleted:** If a sensor is old, its internal battery may have died, requiring sensor replacement.
- **TPMS System Malfunction:** There might be an issue with the vehicle's TPMS receiver or module. This typically requires professional diagnosis.

6.2. Inaccurate Pressure Readings

- **Incorrect Programming:** Re-verify that the sensors were programmed correctly for the specific wheel positions.
- **Sensor Damage:** The sensor may have been damaged during tire mounting or due to impact.
- **Environmental Factors:** Extreme temperature changes can temporarily affect pressure readings.

6.3. Sensor Not Communicating

- **Tool Software Outdated:** Ensure your Bartec TPMS tool has the latest software update (R66.0/6.0 or newer).
- **Interference:** Strong electromagnetic interference can temporarily disrupt communication.
- **Sensor Fault:** The sensor itself may be faulty and require replacement.

For persistent issues, consult a professional automotive technician or contact Bartec USA technical support.

7. SPECIFICATIONS

Attribute	Detail
Manufacturer	Bartec USA
Brand	BARTEC USA
Model	RS-2000-10R
Item Weight	1.1 pounds (for the pack)
Package Dimensions	10.59 x 3.82 x 2.56 inches

Attribute	Detail
Item Model Number	RS-2000-10R
Batteries	1 Lithium Ion battery required (included per sensor)
Manufacturer Part Number	RS-2000-10R
ASIN	B0D23ZCMQT
Operating Frequencies	315 MHz & 433 MHz
Valve Stem Type	Rubber (no metal stems included)

8. WARRANTY AND SUPPORT

Bartec USA stands behind the quality of its RITE-Sensors. The RS-2000-10R RITE-Sensor Sleeve Pack comes with a **Limited Lifetime Warranty**. Please refer to the official Bartec USA warranty policy for full terms and conditions. For technical support, warranty claims, or further assistance, please contact Bartec USA directly through their official website or customer service channels. Ensure you have your product model number (RS-2000-10R) and any relevant purchase information ready when contacting support.

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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

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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