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› VESAFE TPMS Repeater Signal Booster User Manual

## VESAFE VS-05

# VESAFE TPMS Repeater Signal Booster User Manual

Model: VS-05

## 1. INTRODUCTION

The VESAFE TPMS Repeater Signal Booster (Model VS-05) is designed to enhance the signal transmission range of your VESAFE Tire Pressure Monitoring System (TPMS). This device ensures reliable communication between your TPMS sensors and the display unit, especially in larger vehicles or setups where signal strength might be an issue. By extending the transmitting distance, the repeater helps maintain consistent and accurate tire pressure and temperature readings, contributing to safer driving and optimal tire performance.



Image 1.1: The VESAFE TPMS Repeater Signal Booster (Model VS-05).

## 2. PRODUCT FEATURES

- **Signal Enhancement:** Boosts the signal from TPMS sensors to the display unit.
- **Extended Range:** Increases the transmitting distance, ensuring reliable data reception over longer distances, up to 300ft.
- **Compatibility:** Specifically designed to work seamlessly with VESAFE TPMS products.
- **Improved Reliability:** Helps prevent signal loss, ensuring continuous monitoring of tire pressure and temperature.

## 3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x VESAFE TPMS Repeater Signal Booster (Model VS-05)
- 1 x Power Cable (typically 2-wire for 12V connection)

- 1 x User Manual (this document)



Image 3.1: Example of a VESAFE TPMS Display and Sensors (sold separately), which the repeater enhances.

## 4. SETUP AND INSTALLATION

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The VESAFE TPMS Repeater is designed for straightforward installation. It typically requires a 12V power source. For optimal performance, install the repeater in a central location within your vehicle or trailer, ideally between the TPMS sensors and the display unit.

### 4.1 Wiring Instructions

1. **Identify Power Source:** Locate a stable 12V DC power source in your vehicle. This could be an accessory circuit that is active when the ignition is on, or a constant 12V source if continuous operation is desired.
2. **Connect Positive Wire:** Connect the positive wire (usually red) from the repeater's power cable to the positive (+) terminal of your 12V power source. It is recommended to use an inline fuse (not included) for protection.
3. **Connect Negative Wire:** Connect the negative wire (usually black) from the repeater's power cable to a suitable ground point (-) on your vehicle's chassis or wiring harness.
4. **Secure Connections:** Ensure all electrical connections are secure and properly insulated to prevent short circuits.

### 4.2 Mounting Location

- Choose a location that is protected from direct weather exposure and excessive heat.
- Consider a central point in your vehicle or trailer to maximize signal coverage to all sensors and the display.
- Mount the repeater securely using screws or zip ties through its mounting tabs.

*Note: For RVs or vehicles towing trailers, installing the repeater in the rear section of the main vehicle or the front section of the trailer can significantly improve signal reception for all tires.*

## 5. OPERATING INSTRUCTIONS

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Once properly installed and powered, the VESAFE TPMS Repeater operates automatically. It continuously receives signals from your TPMS sensors and re-transmits them with increased strength to your VESAFE TPMS display unit.

- **Automatic Operation:** The repeater will power on and begin boosting signals as soon as it receives power.
- **No User Interaction Required:** There are no buttons or settings to adjust on the repeater itself. Its function is entirely automatic.
- **Verify Signal Reception:** After installation, observe your VESAFE TPMS display unit to confirm that all tire sensors are consistently reporting data without signal loss.

## 6. MAINTENANCE

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The VESAFE TPMS Repeater is designed for low maintenance. Follow these guidelines to ensure its longevity:

- **Keep Clean:** Periodically wipe the exterior of the repeater with a soft, dry cloth to remove dust and debris.
- **Check Connections:** Annually inspect the power connections to ensure they remain secure and free from corrosion.
- **Avoid Water Exposure:** While designed for automotive environments, avoid direct exposure to water or

excessive moisture.

- **Temperature:** Ensure the operating environment is within typical automotive temperature ranges.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
TPMS display still loses signal from sensors.	Incorrect repeater placement; insufficient power; faulty wiring; interference.	Relocate the repeater to a more central position. Verify the 12V power supply is stable and sufficient. Check all wiring connections for looseness or corrosion. Ensure no large metal objects are directly blocking the signal path.
Repeater does not seem to be powered on.	No power supply; incorrect wiring; blown fuse.	Confirm the 12V power source is active. Check positive and negative wire connections. Inspect any inline fuse for continuity and replace if blown.
Interference from other electronic devices.	Proximity to other high-frequency devices.	Move the repeater away from other electronic equipment if possible.

## 8. SPECIFICATIONS

<b>Model Number</b>	VS-05
<b>Brand</b>	VESAFE
<b>Compatibility</b>	VESAFE TPMS products only
<b>Power Input</b>	12V DC (typical)
<b>Item Weight</b>	6.7 ounces
<b>Package Dimensions</b>	7.76 x 6.18 x 2.17 inches
<b>Date First Available</b>	August 12, 2019

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VESAFE website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

**VESAFE Customer Support:**

- Visit the [VESAFE Store on Amazon](#) for product information and support resources.
- Refer to the contact information provided with your original VESAFE TPMS system for direct support.

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