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› Faroiaes V7 Radar Detector User Manual

Faroiaes V7-2024 (RAV9Q)

Faroiaes V7 Radar Detector User Manual

Model: V7-2024 (RAV9Q)

1. INTRODUCTION

The Faroiaes V7 Radar Detector is designed to enhance driving awareness by detecting various radar and laser signals used for speed monitoring. Featuring 360-degree detection capabilities and a voice speed prompt, this device provides timely warnings to help drivers maintain safe speeds and avoid potential hazards. It supports both city and highway modes for optimized performance in different driving environments.



Figure 1: Faroiaes V7 Radar Detector main unit with LED display.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x V7 Radar Detector
- 1 x Car Charger
- 1 x Anti-slip Mat
- 1 x User Manual

3. SETUP AND INSTALLATION

The V7 Radar Detector is designed for easy installation and independent operation within your vehicle.

3.1 Mounting the Device

Place the anti-slip mat on a flat, stable surface on your dashboard, ensuring it does not obstruct your view or interfere with

vehicle controls. Position the radar detector on the anti-slip mat.

360 degree radar and laser detection technology

With 360-degree radar laser detection technology, digital signal processing, and ultra-wide band; it can provide additional detection range to probe bumpers and obstacles that the driver cannot see from the car and alarm.

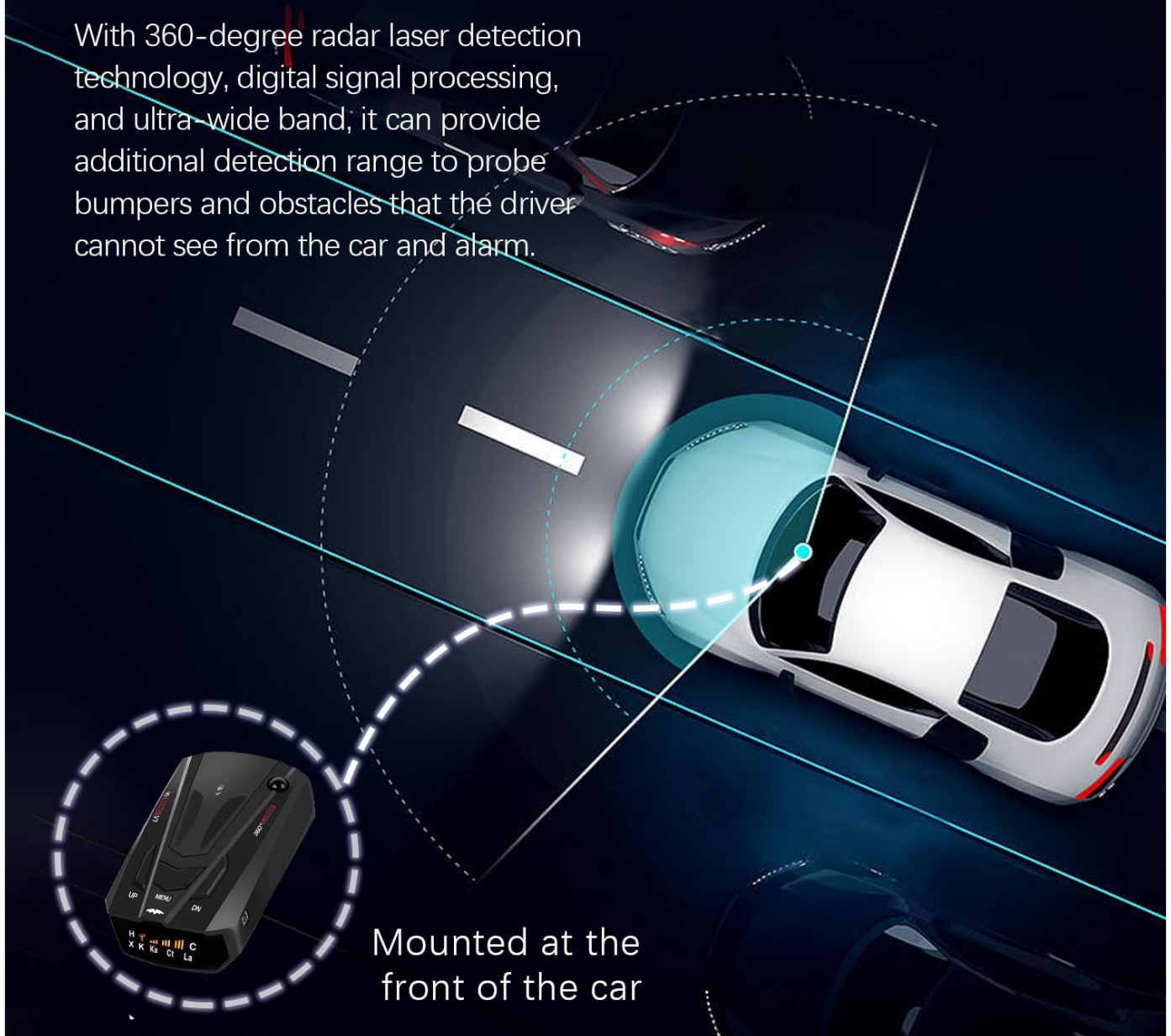


Figure 2: Example of radar detector placement on a car dashboard.

3.2 Power Connection

Connect the provided car charger to the Mini USB or DC charging port on the radar detector. Plug the other end of the car charger into your vehicle's 12V power socket (cigarette lighter outlet). The device will power on automatically once connected.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the buttons and their functions for optimal use of your radar detector.

Size & Function

"UP"&"DN"

VOLUME CONTROL: to press the "UP" button and "DN" button shortly.

MUTE SETTINGS: To make the signal only showing on the display screen, Not making a sound, when there is signal received and when it is making vocal alerting, press "DN" button shortly.

"MENU"

Plug the product on the car charger, it starts work. Screen will light up to press this "MENU" button.

LANGUAGE SWITCHING:

press "MENU" button for about 10s.

Exchange between English and Russian.

CITY MODE/HIGH WAY MODE:

(High way mode is the default setting), press "MENU" button shortly to switch between two modes.

Restore voice reminder mode:

Re-plug the product on the car charger. It will back to "voice reminder mode" again from the Mute state.

Display screen Language:
Support English/Russian language



3.9in

2.44in



Figure 3: Button layout and dimensions of the V7 Radar Detector.

"UP" Button:

- Short press: Increases the volume of voice prompts.

"MENU" Button:

- Short press: Increases the display brightness.
- Press and hold for approximately 10 seconds: Switches the display language between English and Russian.
- Short press (when in City/Highway mode): Toggles between City mode and Highway mode. Highway mode is the default setting.

"DN" Button:

- Short press: Decreases the volume of voice prompts.
- Short press: Toggles between City mode and Highway mode.
- Press and hold for over 5 seconds: Switches the display language between English and Russian.

◦ Note: If the device is in mute state, pressing "DN" will restore voice prompts.

4.1 Mute Settings

To mute the signal sound while still showing the detection on the display screen, short press both the "UP" and "DN" buttons simultaneously. To restore vocal alerting when a signal is received, press the "DN" button shortly.

4.2 Voice Reminder Mode

If the device is in mute mode, re-plugging the product on the car charger will restore it to the voice reminder mode.

5. DETECTION CAPABILITIES AND FEATURES

The Faroiaes V7 Radar Detector offers comprehensive detection and advanced features for enhanced driving awareness.

360° Detection: The device provides 360-degree detection of radar and laser signals, ensuring comprehensive coverage around your vehicle. It can detect any stable or moving Radar Speed Monitor from 250m to 2500m ahead.



Figure 4: Illustration of 360-degree detection across various frequency bands.

Advanced Signal Processing: Utilizes polar distance superheterodyne technology and an ultra-fast frequency sweep circuit to provide a larger detection range and optimal warning, even for the fastest radar speedometers. It detects Ku-Band radar guns and the latest pop-up radar speedometers (Super fast instant opening mode).

False Alarm Reduction: Features a relative speed sensing automatic mute system that significantly reduces false alarms, ensuring you only receive relevant alerts.

Comprehensive Warning System: Provides deep warnings with a detection range of 200-800 meters (300m precision), ensuring no frequency bands are missed.

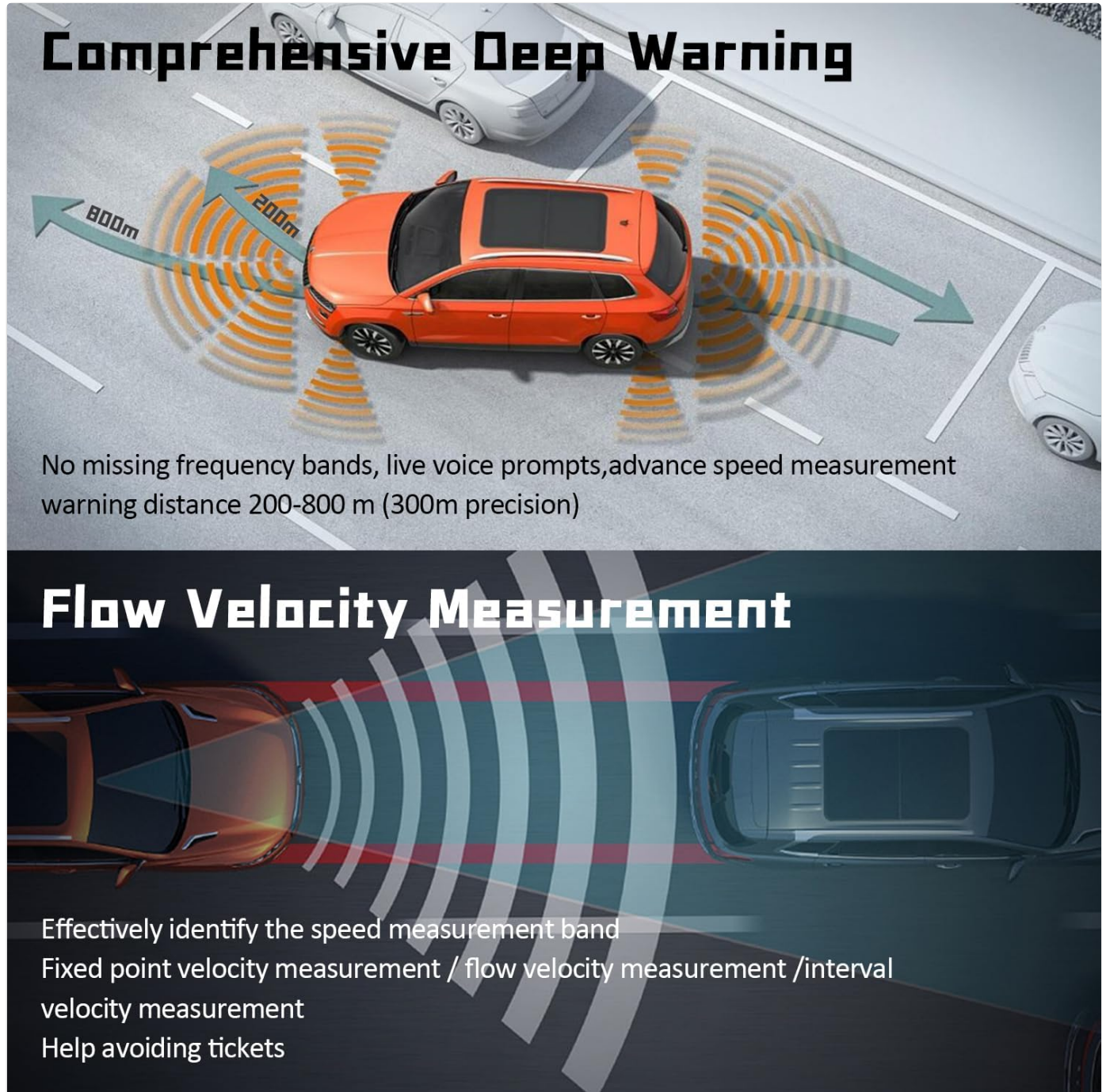


Figure 5: Visual representation of warning distance and flow velocity measurement.

Flow Velocity Measurement: Effectively identifies speed measurement bands, supports fixed point velocity measurement, flow velocity measurement, and interval velocity measurement to help avoid speeding tickets.

Additional Features:

- Three language selection (English/Russian).
- Intelligent filtering of interference signals.
- All-round intelligent detection.

- Full-frequency radar speed measurement.
- Live voice precision broadcast.
- Urban/suburban mode switching (City/Highway mode).

Help with safe driving



Three language selection.

Select languages for translation



Intelligent filtering interference signals.



All-round intelligent detection.



Full-frequency radar speed measurement.



Live voice precision broadcast.

VOICE announcement



Urban/suburban mode switching.

Figure 6: Overview of key features for safe driving assistance.

6. SPECIFICATIONS

Feature	Description
Product Model	V7-2024 (RAV9Q)
Interface	Mini USB, DC charging port
Material	High quality plastic
Voltage	12V

Feature	Description
Display Type	LED
Item Weight	4.6 ounces (approx. 130g)
Package Dimensions	4.69 x 2.95 x 2.64 inches
Compatible Devices	Passenger cars
Power Source	Vehicle Power Socket

6.1 Frequency Bands Detected

Band	Frequency	Detectable Distance
X-BAND	10.525GHz ± 100MHz	1500-2500m
K-BAND	24.150GHz ± 175MHz	1200-2500m
Trfor iPod K-BAND	24.150GHz ± 175MHz	250-1200m
KU-BAND	13.450GHz ± 125MHz	450-1500m
KA-BAND	34.700GHz ± 1300MHz	800-1500m
Trfor iPod KA-BAND	33.400GHz ± 1300MHz	200-600m
VG-2	11.150GHz ± 410MHz	N/A
Wireless Duplex Transmission Frequency	2.4GHz ± 410MHz	N/A

7. MAINTENANCE

To ensure the longevity and optimal performance of your Faroiates V7 Radar Detector, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Do not use abrasive cleaners, solvents, or strong chemicals, as these can damage the plastic housing or LED display.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Moisture:** Keep the device away from water and excessive humidity. It is not waterproof.
- **Handle with Care:** Avoid dropping the device or subjecting it to strong impacts, which can damage internal components.

8. TROUBLESHOOTING

If you encounter issues with your Faroiates V7 Radar Detector, please refer to the following common troubleshooting steps:

- **Device Not Powering On:**
 - Ensure the car charger is securely plugged into both the radar detector and the vehicle's 12V power socket.
 - Check if the vehicle's 12V power socket is functioning correctly (e.g., by testing with another device).
 - Verify that the vehicle's ignition is on, as some power sockets are only active when the ignition is engaged.

- **No Audio Alerts / Muted:**

- Check the volume level using the "UP" and "DN" buttons.
- If the device is muted, short press the "DN" button to restore voice prompts.
- Re-plugging the car charger can also reset the device to voice reminder mode.

- **Frequent False Alarms:**

- Ensure the device is in the appropriate mode (City mode for urban areas to reduce sensitivity to non-police radar sources like automatic door openers).
- The device has a relative speed sensing automatic mute system to reduce false alarms; ensure it is functioning as expected.

- **Poor Detection Range:**

- Ensure the device has a clear line of sight to the front and rear of the vehicle. Obstructions (e.g., windshield wipers, tinted windows, dashboard clutter) can interfere with signal reception.
- Verify the device is securely mounted and not vibrating excessively.
- Ensure the device is in Highway mode for maximum sensitivity on open roads.

- **Display Issues:**

- Adjust display brightness using the "MENU" button.
- If the display is not working, try re-plugging the power cable.

If these steps do not resolve the issue, please contact customer support for further assistance.

9. WARRANTY AND SUPPORT

Specific warranty information for the Faroiaes V7 Radar Detector is not provided in this manual. Please refer to the product packaging, the retailer's website, or contact Faroiaes customer support directly for details regarding warranty coverage, terms, and conditions.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please reach out to Faroiaes customer service through their official channels.