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LEXXSON RM-VLV2540F

LEXXSON Wireless CarPlay/Android Auto Decoder User Manual

Model: RM-VLV2540F

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LEXXSON Wireless CarPlay/Android Auto Decoder. This device is specifically designed to integrate seamlessly with select Volvo models, enhancing your in-car infotainment experience with modern connectivity features.

The decoder offers both wired and wireless CarPlay and Android Auto functionalities, allowing for easy access to navigation, music, and communication directly from your vehicle's display. It features integrated dual-band WiFi (2.4G and 5.8G) and Bluetooth 5.0 for stable connections, along with support for original vehicle controls including steering wheel buttons, touch control, and voice commands.



Image 1.1: The LEXXSON Wireless CarPlay/Android Auto Decoder main unit.

2. COMPATIBILITY

The LEXXSON Wireless CarPlay/Android Auto Decoder is compatible with specific Volvo models equipped with a 7-inch screen. Please verify your vehicle's model and year against the list below to ensure compatibility.

Support Volvo Models

For Volvo		
Car model	Years	Screen inch
V40	2015-2020	7"
V60	2015-2019	
S60/S60L		
XC60	2015-2017	
S80L	2015-2017	



Image 2.1: Compatibility chart showing supported Volvo models and manufacturing years.

- **Volvo V40:** 2015-2020
- **Volvo V60:** 2015-2019
- **Volvo S60/S60L:** 2015-2019
- **Volvo XC60:** 2015-2017
- **Volvo S80L:** 2015-2017

All compatible models require a 7-inch factory screen.

3. PACKAGE CONTENTS

Please check the package carefully to ensure all components are present and undamaged before proceeding with installation.

PACKAGE & ACCESSORIES

What's included in our Package ?



Image 3.1: Overview of the LEXXSON decoder unit and its accompanying cables.

- 1 x LEXXSON Volvo Decoder Unit
- 1 x Power Supply Cable
- 1 x LVDS IN Cable
- 1 x LVDS OUT Cable
- 1 x USB Cable
- 1 x RCA Cable (for camera inputs)

4. SETUP AND INSTALLATION

The LEXXSON decoder is designed for a Plug and Play, non-destructive installation. No cutting of original vehicle wiring is required. It integrates fully with the existing infotainment system.

4.1 Pre-Installation Checklist

- Ensure the vehicle's ignition is off and the battery is disconnected before starting.
- Confirm all package contents are present.
- Refer to your vehicle's specific disassembly instructions for accessing the infotainment unit.

4.2 Installation Steps

1. Carefully remove the vehicle's factory infotainment unit to access the rear connections.
2. Connect the provided power supply cable to the decoder unit and the vehicle's power harness.
3. Connect the LVDS IN and LVDS OUT cables between the factory screen, the decoder unit, and the main infotainment unit.
4. Connect the USB cable to the decoder unit. This port is used for wired CarPlay/Android Auto and potential software updates.
5. If installing optional cameras, connect them to the RCA inputs on the decoder unit.
6. Securely mount the decoder unit in a suitable location behind the dashboard, ensuring it does not interfere with other components.
7. Reassemble the vehicle's infotainment unit and dashboard components.
8. Reconnect the vehicle battery and test the system.

For detailed visual guidance, it is recommended to consult professional installation resources or a qualified technician.

5. OPERATING INSTRUCTIONS

Once installed, the decoder allows you to seamlessly switch between your vehicle's original system and the CarPlay/Android Auto interface.

5.1 Switching Between Systems

Use the original vehicle button (e.g., 'MEDIA' or 'NAV' button, or a long press on a specific button as per your vehicle's configuration) to toggle between the factory infotainment system and the LEXXSON decoder interface.

Keep Original Car Functions

Use your favorite navigation app to go wherever you want.
Enjoy the journey with your loved ones



Image 5.1: Demonstrates using original car controls, including steering wheel buttons and the central control panel, to interact with the system.

5.2 Wireless CarPlay Connection

To connect your iPhone wirelessly to CarPlay:

1. Ensure Bluetooth and Wi-Fi are enabled on your iPhone.
2. On the decoder interface, navigate to the CarPlay section.
3. Pair your iPhone with the decoder's Bluetooth (e.g., 'CarAudio-XXXX').
4. Confirm the CarPlay prompt on your iPhone. The system will automatically connect via Wi-Fi for CarPlay functionality after the initial Bluetooth pairing.

Wireless CarPlay

It supports both wired and wireless. Wireless freedom, smart control. Enjoy the Online Maps, Music, podcast and sync all your phone information



Image 5.2: Wireless CarPlay interface displayed on the vehicle's screen, showing navigation and music applications.

5.3 Wireless Android Auto Connection

To connect your Android phone wirelessly to Android Auto:

1. Ensure Bluetooth and Wi-Fi are enabled on your Android phone.
2. On the decoder interface, navigate to the Android Auto section.
3. Pair your Android phone with the decoder's Bluetooth.
4. Confirm the Android Auto prompt on your phone. The system will automatically connect via Wi-Fi for Android Auto functionality.

Wireless Android Auto

Plug once, sync all, both wired and wireless. Navigate, Play, reply, Voice commands, never take eyes off the Road



Image 5.3: Wireless Android Auto interface displayed on the vehicle's screen, showing music and navigation applications.

5.4 Wired CarPlay/Android Auto

For a wired connection, simply connect your smartphone to the decoder's USB port using a compatible USB cable. The system will automatically detect and launch CarPlay or Android Auto.

5.5 Voice Control

The decoder supports intelligent voice control for both CarPlay (Siri) and Android Auto (Google Assistant). Activate voice control by saying "Hey Siri" or by pressing the voice command button on your steering wheel (if applicable). This allows for hands-free operation of navigation, music, and calls.

Intelligent Voice Control

Intelligent voice control without hands operation, safer driving! More sensitive voice recognition, more extensive recognition



Keep in touch with Google Assistant. Google Assistant can read your messages out loud.



Image 5.4: Demonstrates intelligent voice control functionality for both Apple CarPlay (Siri) and Android Auto (Google Assistant).

5.6 Bluetooth Audio Output

The system utilizes the factory car Bluetooth for audio output, which helps reduce interference and provides faster sound response. Ensure your phone is paired via Bluetooth for optimal audio quality.

Bluetooth Audio Output

Audio output from Factory car Bluetooth, which significantly reduces interference and makes the sound response faster



Image 5.5: Step-by-step guide for pairing your phone's Bluetooth and connecting to the CarPlay system for audio output.

6. PARKING ASSISTANCE

The decoder supports professional parking assistance features, enhancing safety and convenience.

- **Camera Support:** Compatible with PAL, NTSC, and CVBS camera systems, including rear and right-side cameras.
- **360° HD Panoramic Cameras:** Supports 360° HD camera systems for a comprehensive view around your vehicle. (Cameras sold separately).
- **Dynamic Guidelines:** Provides dynamic parking guidelines that adjust with steering input.
- **Original Radar Integration:** Connects with the vehicle's original radar system for parking distance control.

7. MAINTENANCE

To ensure the longevity and optimal performance of your LEXXSON decoder, follow these general maintenance guidelines:

- Keep the unit free from dust and moisture.
- Avoid exposing the unit to extreme temperatures. The efficient heat dissipation system ensures stable operation up to

70 °C.

- Do not attempt to open or repair the unit yourself, as this will void the warranty.
- Regularly check for software updates to ensure the system is always up to date with the latest features and improvements.

8. TROUBLESHOOTING

If you encounter issues with your LEXXSON decoder, please refer to the following common troubleshooting steps:

- **No Power:** Check all power connections to ensure they are securely plugged in. Verify the vehicle's battery is properly connected.
- **No Display/Black Screen:** Ensure the LVDS cables are correctly connected between the screen, decoder, and infotainment unit. Try switching between the original system and the decoder interface.
- **CarPlay/Android Auto Not Connecting:**
 - For wireless connections, ensure Bluetooth and Wi-Fi are enabled on your phone and paired correctly.
 - For wired connections, try a different USB cable.
 - Restart your phone and the vehicle's infotainment system.
- **Audio Issues:** Ensure your phone is paired via Bluetooth for audio output. Check the volume levels on both your phone and the vehicle's system.
- **Controls Not Responding:** Verify that the decoder is fully integrated with the vehicle's CAN-bus system. Ensure all connections are secure.

If problems persist after attempting these steps, please contact customer support for further assistance.

9. SPECIFICATIONS

Feature	Specification
Brand	LEXXSON
Model Number	RM-VLV2540F
Color	Black
Screen Compatibility	7 Inches (Volvo factory screen)
Connectivity Technology	Bluetooth 5.0, Wi-Fi (2.4G & 5.8G)
Special Features	Wireless/Wired Apple CarPlay, Wireless/Wired Android Auto, Voice Control, DSP, Parking Assistance
Camera Inputs	2 x RCA (PAL/NTSC/CVBS)
Item Weight	1100 Grams
Manufacturer	LEXXSON

10. WARRANTY AND SUPPORT

Your LEXXSON Wireless CarPlay/Android Auto Decoder comes with a manufacturer's warranty to cover defects in

materials and workmanship.

- **Manufacturer Warranty:** 1 year.
- **Spare Parts Availability:** Information unavailable.
- **Software Updates:** Information unavailable regarding guaranteed update period.

For warranty claims, technical support, or any inquiries regarding your product, please contact the seller directly. The seller for this product is LEXXSON-EU.

Please retain your proof of purchase for warranty validation.