

ninetom 032544ba-7f12-4942-a63f-a1346703e0d6

ninetom Wireless CarPlay Retrofit Kit Decoder User Manual

Model: 032544ba-7f12-4942-a63f-a1346703e0d6

[Introduction](#) [Package Contents](#) [Setup](#) [Operating](#)
[Instructions](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of your ninetom Wireless CarPlay Retrofit Kit Decoder. This device enhances your driving experience by integrating modern smartphone functionalities into your vehicle's existing display system.

1.1 Compatibility

The ninetom Wireless CarPlay Retrofit Kit is compatible with Lexus RX, NX, ES, UX, LS, LX, RC, LC, GS, and IS models manufactured between 2014 and 2019, provided they are equipped with the premium factory system. This kit is **not** compatible with mid- or low-end factory systems. For RX models, it specifically fits 2016–2019 models with freestanding screens only; it is not compatible with 2015 or earlier models that have embedded screens.

Please review the images below to confirm your car's system version before proceeding with installation.

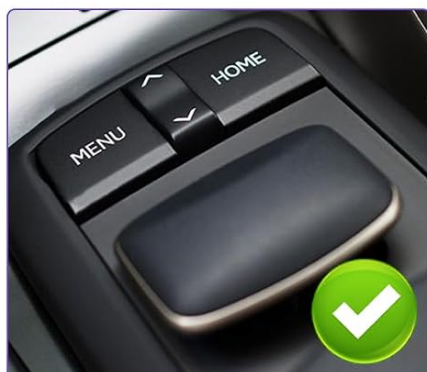
Only Compatible with High-Configuration Lexus Models

Fits Lexus RX, NX, ES, UX, LS, LX, IS, RC, and GS Series (2014–2019)
with Small Touchpad or Joystick.



Note:

Fits 2016–2019 RX models with freestanding screens only; not compatible with 2015 or earlier embedded screen models.



High Configuration

Lexus Car with joy stick



High Configuration

Small touch pad with 4 buttons



High Configuration

Small touch pad with 3 buttons



Low Configuration

Knob with 3 buttons



Medium Configuration

Big touch pad (no frame)

Figure 1.1: Compatibility chart for Lexus models. High-configuration systems with a joystick or small touchpad (3 or 4 buttons) are compatible. Low-configuration systems with a knob and 3 buttons, or medium-configuration systems with a large touchpad (no frame), are not compatible.

2. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

Product size and Accessories List



Power cable



CAN cable



LVDS cable



USB cable



Wi-Fi antenna



Joystick extension cable

Figure 2.1: Decoder unit and included accessories.

- ninetom Wireless CarPlay Retrofit Kit Decoder Unit
- Power Cable
- CAN Cable
- LVDS Cable
- USB Cable
- Wi-Fi Antenna
- Joystick Extension Cable (may not be needed for all installations)

3. SETUP AND INSTALLATION

Installation of this kit requires careful handling and removal of dashboard components. While the installation process does not damage your original wiring or affect your factory warranty, professional installation is recommended if you are not confident in performing the procedure yourself.

3.1 Pre-Installation Checklist

- Ensure your vehicle is compatible (refer to Section 1.1).
- Gather necessary tools (e.g., trim removal tools, screwdrivers).
- Disconnect the vehicle's battery before starting any electrical work.
- Review all cables and components to familiarize yourself with them.

3.2 Installation Steps (General Overview)

1. Carefully remove the necessary dashboard trim and components to access the back of your car's display unit and control panel.
2. Connect the provided cables (Power, CAN, LVDS, USB) to the corresponding ports on the decoder unit and your vehicle's wiring harness. Ensure all connections are secure.
3. Install the Wi-Fi antenna in a location that allows for optimal signal reception.
4. If necessary, connect the joystick extension cable. Note that this cable may not be required for all vehicle configurations.
5. Before reassembling the dashboard, reconnect the vehicle's battery and test all functions of the CarPlay/Android Auto system, including audio, controls, and camera inputs.
6. Once all functions are verified, carefully reassemble the dashboard components.

Important: Most issues encountered during installation are due to incorrect cable connections or settings. Always test thoroughly before final reassembly.

4. OPERATING INSTRUCTIONS

This section details how to use the ninetom Wireless CarPlay Retrofit Kit Decoder to access CarPlay and Android Auto functionalities.

4.1 System Switching

To switch between your original OEM car system and the CarPlay/Android Auto system, press and hold the 'Menu' button on your car's control knob for 3-5 seconds. This allows for seamless integration and access to both systems.

Upgrade with CarPlay and Android Auto While Keeping the Original OEM System

Long press the 'Menu' button on the car knob to switch from the factory OEM system to CarPlay.



Figure 4.1: Switching between OEM, CarPlay, and Android Auto systems.

4.2 Wireless & Wired CarPlay/Android Auto

The unit supports both wireless and wired connections for CarPlay and Android Auto, depending on your smartphone type. Once connected, you can access various applications and features directly on your car's display.

- **Supported Apps:** Siri, Maps, Music, phone calls, Waze, Sygic, iTunes, Apple Music, and other third-party applications.
- **Connectivity:** Connect wirelessly via Bluetooth and Wi-Fi, or via the provided USB cable for a wired connection.

4.3 Steering Wheel and Car Knob Control

Maintain control over your new system using your vehicle's existing controls:

- **Steering Wheel Buttons:** Supports Siri, phone call functions, and volume +/- buttons. Other steering wheel buttons may not be supported.
- **Car Control Knob:** Use the car's control knob to navigate through the CarPlay/Android Auto interface, providing a familiar and convenient operation while driving.

Original car control More convenient

Support original car control

- * Rear Camera
- * Steering wheel
- * Touch screen

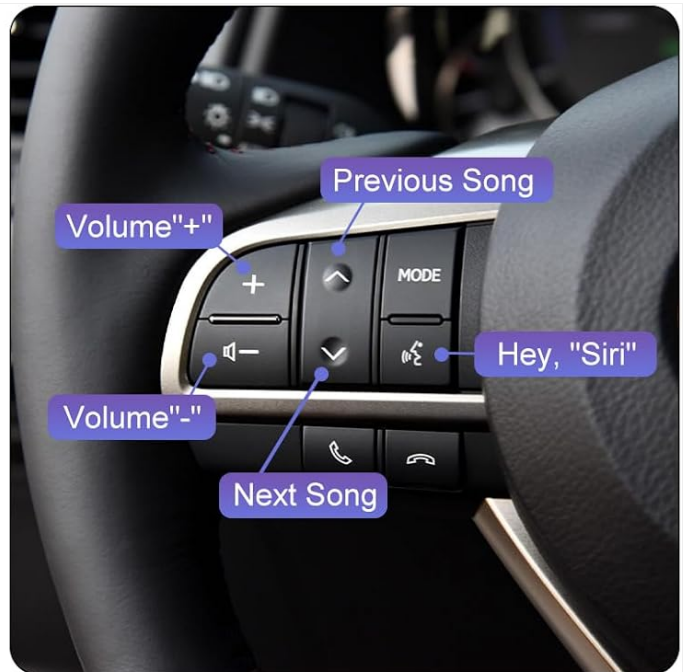


Figure 4.2: Integration with original car controls.

4.4 Camera & Mirror Link Function

The system supports various camera inputs and screen mirroring capabilities:

- **Reverse Camera:** Supports original factory reverse cameras, parking radar, and aftermarket reverse cameras. The reverse camera activates automatically when the vehicle is put into reverse gear.
- **Additional Cameras:** Compatible with 360° cameras and front DVR cameras (CVBS input).
- **Mirror Link:** Supports AirPlay for iPhone and AutoLink for Android devices, allowing you to mirror your smartphone screen onto the car's display.



Camera Function

1. Support Factory and Aftermarket Cameras
2. Support Factory Original Reverse Camera and Parking Radar
3. Support Aftermarket Reverse Camera and 360 Camera
4. Support Front View Camera DVR (CVBS)

Figure 4.3: Camera function support.

Support MirrorLink Function

Easily Mirror Your Phone Screen:
AirPlay for iPhone , AutoLink for Android



Figure 4.4: Mirror Link functionality.

4.5 Voice Control

Utilize voice commands through Siri (for CarPlay) or Google Assistant (for Android Auto) to control navigation, music playback, phone calls, and more, allowing for hands-free operation.

Voice Assistant Free Your Hands

Hey, Siri

Navigate to Nearby Airport

Play popular music

Call to Mary



Map



Music



Figure 4.5: Voice assistant features.

4.6 GPS Navigation

The system supports GPS navigation through various map applications available on CarPlay and Android Auto. This includes both online and offline navigation capabilities, compatible with most popular map apps.

Supports GPS Navigation

Compatible with most map apps; supports both online and offline navigation.



Figure 4.6: GPS Navigation support.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ninetom Wireless CarPlay Retrofit Kit Decoder, follow these general maintenance guidelines:

- **Cleaning:** Keep the decoder unit and connections free from dust and debris. Use a soft, dry cloth for cleaning. Avoid liquid cleaners directly on the unit.
- **Environment:** Ensure the unit is installed in a location that avoids extreme temperatures and direct exposure to moisture.
- **Cable Integrity:** Periodically check all connected cables for any signs of wear or damage. Ensure they remain securely connected.
- **Software Updates:** Check the manufacturer's website or contact support for any available firmware updates to improve performance and add new features.

6. TROUBLESHOOTING

This section addresses common issues you might encounter and provides potential solutions.

Problem	Possible Cause	Solution
No display or system not turning on	Incorrect power connection; loose cables; incompatible system.	Verify all power and LVDS cables are securely connected. Ensure your vehicle's system is compatible (refer to Section 1.1). Recheck battery connection.

Problem	Possible Cause	Solution
Screen flickering or display issues	Firmware issue; incorrect settings; loose LVDS cable.	Check LVDS cable connection. Consider a firmware update: obtain the update files from ninetom support. Use a USB drive (16MB or smaller), format to FAT32, copy files to the root. Plug USB into the unit's USB cable, navigate to System/Upgrade/.bin files, and press update.
CarPlay/Android Auto not connecting wirelessly	Bluetooth/Wi-Fi interference; incorrect phone settings; unit settings.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Check the unit's settings and ensure "use car's bt channel" is switched on. Try restarting both the unit and your phone.
Steering wheel controls or car knob not working	Incorrect CAN bus connection; joystick extension cable not connected (if needed).	Verify the CAN cable connection. If your vehicle requires it, ensure the joystick extension cable is properly installed.
Reverse camera not displaying	Camera input not connected; incorrect settings.	Ensure the reverse camera input (CVBS) is correctly connected to the decoder unit. Check system settings for camera activation.
Mouse pad lags constantly	Software issue; hardware malfunction.	Try restarting the unit. Ensure firmware is up to date. If the issue persists, contact ninetom support.
ABS light comes on after installation	Potential wiring error or faulty unit.	Immediately recheck all wiring connections, especially CAN bus. If the issue persists, disconnect the unit and contact ninetom support.

If you encounter issues not listed here or require further assistance, please contact ninetom support.

7. SPECIFICATIONS

Feature	Detail
Brand	ninetom
Model Number	032544ba-7f12-4942-a63f-a1346703e0d6
Connectivity Technology	Bluetooth, USB
Controller Type	Push Button
Special Feature	Voice Control
Compatible Devices	Smartphone, Tablet
Connector Type	USB
Audio Output Mode	Stereo, Surround

Feature	Detail
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC, VP9
Number of Channels	6
Audio Output Type	HDMI, Optical, RCA
Smart Home Compatibility	Not Smart Home Compatible
Wireless Technology	Bluetooth
Format	Dolby, Surround Sound
Unit Count	1.0 Count

8. WARRANTY & SUPPORT

8.1 Warranty Information

The ninetom Wireless CarPlay Retrofit Kit Decoder comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, installation assistance, troubleshooting, or warranty claims, please contact ninetom customer support. Our support team is available to help resolve any issues you may encounter.

To contact support via Amazon:

1. On the product page, locate and click the "ninetom" seller name, usually found near the "Add to Cart" button.
2. On the seller's profile page, click the "Ask a question" button to send a message to our support team.

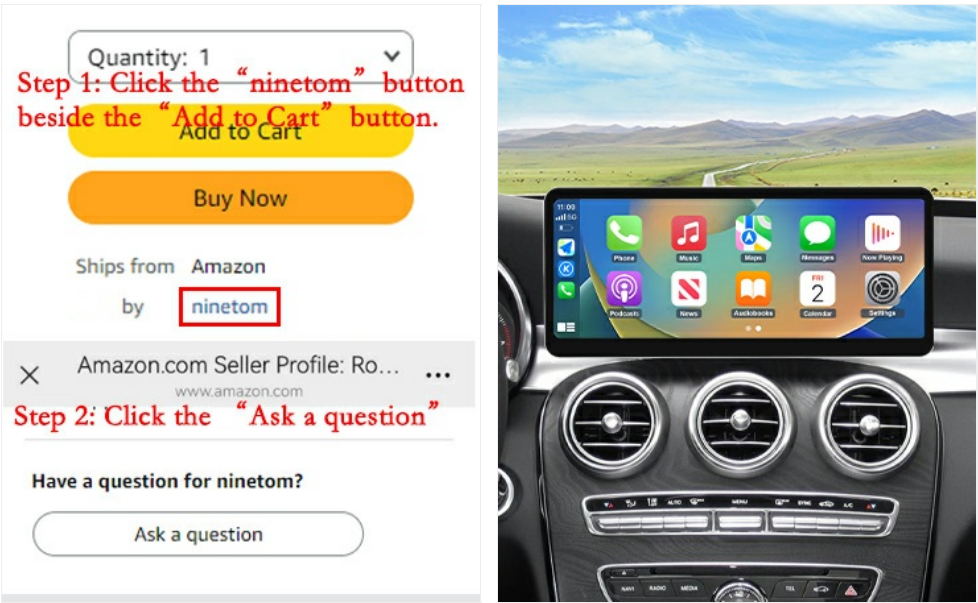


Figure 8.1: Steps to contact ninetom support via Amazon.

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.

Name

Anonymous

Email

you@example.com

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