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> electrosmart Android 14 Car Radio QLED Screen for Lexus IS250 (2006-2012) User Manual

electrosmart Explorer

electrosmart Android 14 Car Radio QLED Screen User Manual

Model: Explorer for Lexus IS250 (2006-2012)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new electrosmart Android 14 Car Radio QLED Screen. This unit is designed to enhance your driving experience with advanced features such as wireless CarPlay, Android Auto, GPS navigation, and a high-definition touch screen. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. VEHICLE COMPATIBILITY

This car radio is specifically designed for Lexus IS250 models manufactured between 2006 and 2012. It is a plug-and-play kit for compatible vehicles.

Important Note: This unit is **not compatible** with high-version Lexus IS250 models that feature a "setup button" or a "metal frame" around the original radio unit. Please verify your vehicle's dashboard configuration before proceeding with installation.

for Lexus IS250 2006-2012



✓ **Fit**
Low version



✓ **Fit**
Low version



✓ **Fit**
Low version



✓ **Fit**
Low version
modified ones with setup
buttons will also fit.



✗ **Not Fit**
High Version
With metal bezel
is high end



✗ **Not Fit**
High Version
With setup button
is high end

Image: Compatibility guide for Lexus IS250 dashboards (2006-2012). Displays various dashboard layouts, indicating which are compatible ('Fit' for low version) and which are not ('Not Fit' for high version with 'setup' button or metal bezel).

3. PACKAGE CONTENTS

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

- electrosmart Android 14 Car Radio Unit (10.4-inch QLED Screen)
- Power Cable (A)
- RCA Cable (B)
- USB Cable (C)
- Radio Antenna (D)
- GPS Cable (E)
- Reversing Line (F)
- Backup Camera
- External Microphone
- Canbus Decoder



- A. Power Cable
- B. RCA Line
- C. USB Cable
- D. Radio Antenna
- E. GPS cable
- F. Reversing Line

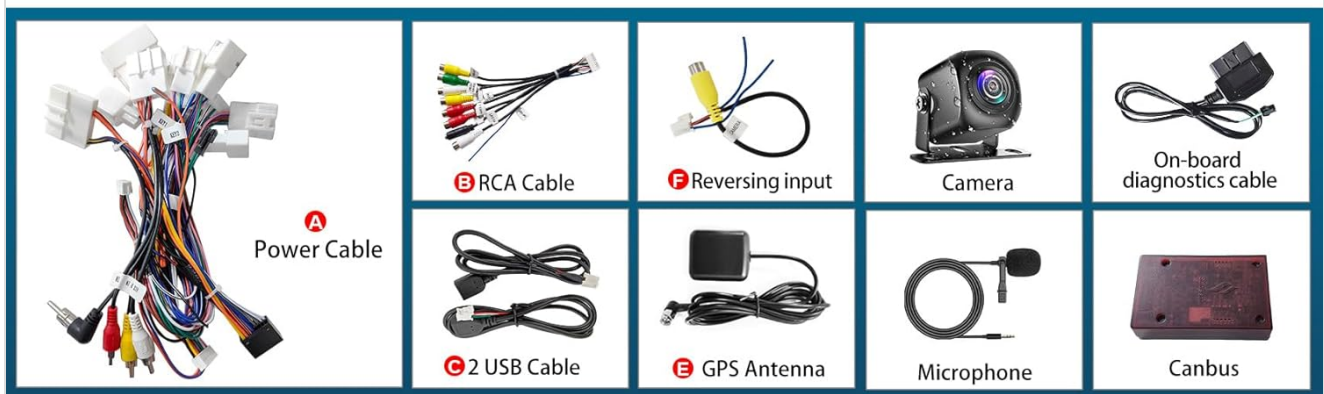


Image: Rear view of the car radio unit with labeled connection points (A-F) and a visual representation of all included accessories such as cables, camera, GPS antenna, microphone, and Canbus.

4. SETUP & INSTALLATION

The electrosmart car radio is designed for plug-and-play installation in compatible Lexus IS250 models. However, professional installation is recommended to ensure correct wiring and optimal performance.

4.1 Pre-Installation Check

1. Confirm vehicle compatibility as described in Section 2.
2. Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
3. Gather all necessary tools (e.g., trim removal tools, screwdrivers).

4.2 Installation Steps (General Guide)

1. Carefully remove the original car radio unit and dashboard trim using appropriate tools.
2. Connect the provided wiring harness to the vehicle's existing wiring. Ensure all connections are secure. Refer to the wiring diagram in Section 3 for cable identification.
3. Connect the GPS antenna, radio antenna, and external microphone to the new head unit. Position the

antennas for optimal signal reception.

4. If installing the backup camera, route the camera cable to the rear of the vehicle and connect it to the designated input on the head unit.
5. Carefully slide the new electrosmart car radio into the dashboard opening.
6. Secure the unit in place and reattach any removed dashboard trim.
7. Reconnect the vehicle's battery and turn on the ignition to test the unit.



Image: A side-by-side comparison showing the original Lexus IS250 dashboard ('Before') and the dashboard with the new 10.4-inch electrosmart car radio installed ('After').

5. OPERATING INSTRUCTIONS

5.1 Basic Operations

The unit features a 10.4-inch 2.5D capacitive touch screen with a resolution of 1280*800. Navigate the interface by tapping, swiping, and pinching as you would on a smartphone or tablet.



Image: A hand interacting with the responsive 10.4-inch touch screen, demonstrating its ease of use.

5.2 Wireless CarPlay & Wired Android Auto

Integrate your smartphone for navigation, music, calls, and voice control.

- **Wireless CarPlay:** For iPhone users, connect via Bluetooth and then follow on-screen prompts to enable wireless CarPlay.
- **Wired Android Auto:** For Android users, connect your phone via a USB cable and follow on-screen prompts to activate Android Auto.



Image: The car radio display showing the CarPlay interface with various apps, and the Android Auto interface, both integrated with a smartphone.

5.3 GPS Navigation

The unit supports both online and offline GPS navigation. You can use pre-installed maps or download additional navigation applications via WiFi.

- **Online Navigation:** Requires a WiFi connection to access real-time traffic and map updates.
- **Offline Navigation:** Download map data for your region to use navigation without an internet connection.



Image: The car radio screen showing a navigation map, with icons for popular GPS applications like iGO, Google Maps, and Here WeGo.

5.4 WiFi Connectivity

Connect the unit to a WiFi hotspot (e.g., from your smartphone) to access online services, download apps, and stream content.

1. Go to Settings > Network & Internet > Wi-Fi.
2. Select your desired WiFi network and enter the password if prompted.
3. Once connected, you can access the Google Play Store to download applications like Spotify, YouTube, etc.



Image: The car radio display showing a selection of applications such as Spotify, Pinterest, Facebook, and YouTube, indicating successful WiFi connectivity.

5.5 Bluetooth Functions

The unit features Bluetooth 5.2 for hands-free calling, phonebook access, and music streaming.

1. Enable Bluetooth on your smartphone and on the car radio (Settings > Connected devices > Bluetooth).
2. Search for available devices on your phone and select the car radio's Bluetooth name.
3. Confirm the pairing code on both devices.
4. Once paired, you can make/receive calls, sync your phonebook, and play music wirelessly.



Image: The car radio display showing a Bluetooth call in progress and music playback controls, alongside the FM radio interface.

5.6 AM/FM Radio

Access local radio stations with the built-in AM/FM tuner, which also supports RDS (Radio Data System) for displaying station information.

- Tap the "Radio" icon on the home screen.
- Use the on-screen controls to scan for stations, manually tune, or select from presets.
- Save your favorite stations for quick access.



Image: The car radio display showing the FM radio interface, tuned to a specific frequency with options for scanning and presets.

5.7 Steering Wheel Controls (SWC)

The unit retains the functionality of your vehicle's original steering wheel controls, allowing you to manage audio, calls, and other functions without taking your hands off the wheel.

- After installation, the SWC should function automatically.
- If controls do not work, navigate to Settings > Steering Wheel Control to configure them manually.



Image: The car radio display showing the steering wheel control configuration menu, with an inset image highlighting the steering wheel buttons.

5.8 Backup Camera

The included backup camera provides a clear view of the area behind your vehicle when reversing, enhancing safety. The camera features HD imaging, waterproofing, night vision, and a 170° wide view angle.

- When the vehicle is shifted into reverse gear, the display will automatically switch to the camera view.
- Dynamic guidelines may appear on the screen to assist with parking.



Image: The car radio display showing the live feed from the backup camera, complete with parking assist lines and icons indicating HD, waterproof, night vision, and wide-angle features.

5.9 Split Screen & Mirrorlink

Utilize the split-screen function to run two applications simultaneously, such as navigation and music. Mirrorlink allows you to display your smartphone's screen directly on the car radio.

- **Split Screen:** Drag an app icon to one side of the screen to activate split-screen mode, then select another app for the other side.
- **Mirrorlink:** Connect your smartphone via USB or WiFi and follow the on-screen instructions to mirror its display.



Image: The car radio display showing two applications running side-by-side in split-screen mode, for example, an equalizer and a music player.



Image: The car radio display showing a mirrored image from a smartphone, illustrating the Mirrorlink feature.

6. MAINTENANCE

To ensure the longevity and optimal performance of your car radio, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronic displays. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for available software updates through the unit's settings menu (if applicable) to ensure you have the latest features and bug fixes.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables are securely connected and free from damage.

7. TROUBLESHOOTING

If you encounter issues with your car radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, incompatible vehicle version.	Check power cable connections. Inspect vehicle fuses. Verify vehicle compatibility (Section 2).
No sound	Volume too low, incorrect audio source, loose speaker wires.	Increase volume. Select correct audio source. Check speaker wire connections.
GPS signal weak or inaccurate	GPS antenna improperly placed, environmental interference.	Ensure GPS antenna has a clear view of the sky. Avoid placing near metal obstructions.
Bluetooth not connecting	Bluetooth off on phone/unit, pairing issue.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair.
Steering Wheel Controls not working	Incorrect wiring, software configuration.	Check Canbus connection. Go to Settings > Steering Wheel Control to configure.

If the problem persists after attempting these solutions, please contact technical support.

8. SPECIFICATIONS

Feature	Detail
Brand	electrosmart
Model Number	Explorer
Operating System	Android 14
Processor	8-Core
Screen Type	QLED Touch Screen (2.5D Capacitive)

Feature	Detail
Screen Size	10.4 inches
Screen Resolution	1280*800
RAM	2GB
ROM	32GB
Connectivity	Bluetooth 5.2, Wi-Fi, USB
Supported Features	Wireless CarPlay, Wired Android Auto, GPS Navigation, FM/AM/RDS Radio, EQ Settings, Split Screen, Mirrorlink, Backup Camera Input, Steering Wheel Control
Audio Output Mode	Stereo (2 Channels)
Compatible Devices	Smartphone
Built-In Media	Backup Camera

9. WARRANTY INFORMATION

This electrosmart car radio unit comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

10. TECHNICAL SUPPORT

Our professional technical support team is available to assist you with any questions or issues you may encounter. For technical assistance, please contact us through the platform where you purchased the product. We aim to reply as soon as possible to address your needs.