



[Manuals.plus](#) /

› [UNITOPSCI](#) /

› UNITOPSCI Android Car Stereo User Manual for Lexus ES 2001-2005

UNITOPSCI UNITOPSCI Android Car Stereo 2G+64G for Lexus ES 2001-2005

UNITOPSCI Android Car Stereo User Manual

Model: 2G+64G for Lexus ES 2001-2005 ES250/300/330

Brand: UNITOPSCI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your UNITOPSCI Android Car Stereo. Please read this manual thoroughly before use to ensure proper functionality and safety. This unit is designed to upgrade the in-car entertainment and navigation system for compatible Lexus ES models.



Image 1.1: UNITOPSCI Android Car Stereo main unit with a 9-inch touch screen displaying various applications like TikTok, Spotify, and Maps. The image also highlights Android 13 OS and 2G+64G memory configuration, along with icons for Wireless CarPlay, Android Auto, Mirror Link, an external microphone, and a backup camera.

2. COMPATIBLE MODELS AND IMPORTANT NOTES

This car stereo is specifically designed for Lexus ES 2001, 2002, 2003, 2004, and 2005 models (ES250, ES300, ES330). It comes assembled with a frame for a plug-and-play installation for basic models.

Important Compatibility Note:

If your original vehicle radio includes a navigation system, an additional wire harness and CANbus adapter are required for proper installation and functionality. Please contact UNITOPSCI customer support to obtain the correct components for your specific vehicle configuration. It is crucial to confirm your car's information (model, year, photo of center console, and rear CD connectors of the original radio) with support to ensure the suitable wire harness is provided.

CarPlay/Android Auto Voice Control

Connected the car radio with your mobile phone via Bluetooth/USB cable and use phone calls, GPS Navigation, music, video etc.



Apple Carplay

Wired/Wireless Connection



Android Auto

Wired/Wireless Connection



Hey Siri, Send a message to David

Hey Google, play music



Support BT/USB

Support BT/USB

Image 2.1: Visual guide showing compatibility for Lexus ES 2001-2005 models. It illustrates the difference between 'Low configuration' (fits) and 'High configuration' (does not fit without additional harness/CANbus) based on the original radio's rear CD connectors (Type A vs. Type B).

3. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following components are included:

- 1 x Android Car Stereo Unit
- 1 x Power Cable
- 1 x Installation Tool
- 1 x Backup Camera
- 1 x Microphone
- 2 x USB Cables
- 1 x GPS Antenna
- 1 x Rear Camera Input Cable

- 1 x User Manual
- 1 x RCA Cable

Steering Wheel Control

Control radio functions through the steering wheel control buttons, focusing on your driving.

Clear Reversing Image

Backup camera included, parking more safer.

AHD Image

Waterproof

170° Wide Angle

Night Vision

Image 3.1: A visual representation of the car stereo's dimensions (9-inch screen, 326mm/12.8 inch width) and a layout of all included accessories: Microphone, Camera Input, RCA Cable, GPS Antenna, 6Pin USB Cable, AHD Rear Camera, User Manual, Power Cable, 4Pin USB Cable, and Installation Tool.

4. SETUP AND INSTALLATION

Installation of the UNITOPSCI Android Car Stereo is designed to be plug-and-play for compatible Lexus ES models without a factory navigation system. For vehicles with a navigation system, an additional harness and CANbus adapter are required (see Section 2: Compatibility).

General Installation Steps:

1. **Preparation:** Ensure the vehicle's battery is disconnected before starting installation. Gather all necessary tools, including the provided installation tool.
2. **Remove Original Radio:** Carefully remove the trim panels and the original car radio unit from the

dashboard. Use the provided installation tool to prevent damage.

3. **Connect Wiring Harness:** Connect the new power cable and other necessary harnesses from the UNITOPSCI stereo to the vehicle's factory wiring. Ensure all connections are secure. If your car works with a CANbus, connect it and configure settings via the car's factory settings menu.
4. **Connect Peripherals:** Attach the GPS antenna, USB cables, external microphone, and RCA cables as needed.
5. **Backup Camera Installation:** Install the included backup camera at the rear of your vehicle. Connect the camera's video output to the 'Rear Camra Input' on the stereo unit. The trigger wire (labeled 'Back' on the power cable) should be connected to the reversing light power source to enable automatic display switching when reversing.
6. **Mount New Stereo:** Carefully slide the new stereo unit into the dashboard opening, ensuring all wires are tucked away and not pinched. Secure the unit with screws or clips.
7. **Reassemble Dashboard:** Reattach all trim panels removed earlier.
8. **Reconnect Battery:** Reconnect the vehicle's battery and power on the stereo to test functionality.

Note: If you are unsure about any step, it is highly recommended to seek professional installation to avoid damage to the unit or your vehicle.



Image 4.1: Demonstrates the Steering Wheel Control interface for learning button functions and the Clear Reversing Image

feature with the included backup camera. The camera provides an AHD image, is waterproof, offers a 170° wide angle, and supports night vision.



Image 4.2: Detailed diagram illustrating the wiring connections for the AHD backup camera, including connecting the red wire to the reversing light electrode and the yellow RCA connector to the AV display interface. It also highlights the camera's features: HD, Waterproof, 170° Wide Angle, Night Vision, and Guidelines.

5. OPERATING INSTRUCTIONS

Your UNITOPSCI Android Car Stereo offers a wide range of features for an enhanced driving experience.

5.1. Wireless CarPlay & Android Auto

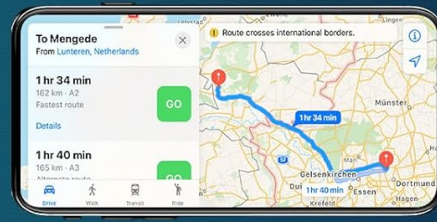
Connect your iOS or Android smartphone wirelessly via Bluetooth/WiFi or via USB cable to access Apple CarPlay or Android Auto. This allows for voice control (Siri/Google Assistant) to make calls, navigate, play music, and manage messages, enhancing driving safety and convenience.

Mirror Link For Android/iOS Phones

Phonelink to display the video entertainment or display map navigation, be convenient during driving!



For IOS:WIFI



For Android:USB/WIFI



Image 5.1: Displays the user interface for Apple CarPlay and Android Auto, highlighting voice control capabilities. It shows examples of voice commands like "Hey Siri, Send a message to David" and "Hey Google, play music," along with the visual integration of phone apps on the car stereo screen.

5.2. Mirror Link Function

The Mirror Link function allows you to project your smartphone screen directly onto the car stereo display. This is compatible with most Android phones (via USB/WiFi) and iOS phones (via WiFi), enabling synchronous display of maps, videos, and games.

Built-in BT & Voice Control Assistant

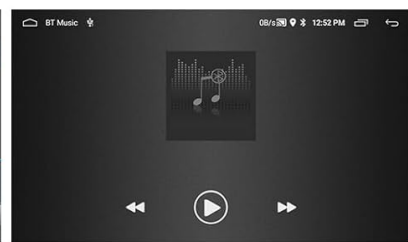
Streaming music from your phone and make hands-free calling while driving.
Support EQ setting, FM radio with 18 preset stations.



EQ



FM Radio



BT Music

Image 5.2: Illustrates the Mirror Link functionality, showing a smartphone screen mirrored onto the car stereo. Examples include displaying video entertainment and map navigation, emphasizing convenience during driving. It specifies WiFi for iOS and USB/WiFi for Android.

5.3. Bluetooth Connectivity

The built-in Bluetooth 4.2 module provides stable signal for hands-free calling and audio streaming. You can make/receive calls directly from the stereo and stream music from your phone. The unit also supports downloading your phone book.

5.4. FM/RDS Radio

Enjoy your favorite radio stations with the enhanced FM radio receiver (87.5-108MHz). The unit supports RDS (Radio Data System) for displaying station information. You can save up to 18 preset stations for quick access.

5.5. GPS Navigation & WiFi Connection

The stereo features a built-in GPS receiver supporting both online and offline map navigation. It comes with pre-installed offline maps (requires internet to download data). With WiFi hotspot connection, you can access online functions, download apps, watch videos, and browse the internet.

Steering Wheel Control

Control radio functions through the steering wheel control buttons, focusing on your driving.



Clear Reversing Image

Backup camera included, parking more safer.



Image 5.3: Highlights the WiFi Connection feature, allowing users to download apps and enjoy online content. It also showcases the GPS Navigation function, supporting both online and offline maps for easy navigation, with various map application icons.

5.6. Steering Wheel Control (SWC)

Control radio functions conveniently through your vehicle's steering wheel control buttons. This feature enhances driving safety by allowing you to switch songs, adjust volumes, and manage calls without taking your hands off the wheel. Ensure CANbus settings are correctly configured if your car supports it.

5.7. Split Screen Display & Video Output

The split-screen function allows you to display two applications simultaneously, such as navigation and music. The unit also supports video output, enabling connection to external monitors like headrest displays for shared entertainment.



Image 5.4: Illustrates three key features: Mirror Link (displaying phone content on the stereo), Split Screen (running two apps simultaneously, e.g., music and navigation), and Video Output (connecting to external displays like headrest monitors via RCA cable).

5.8. Audio Equalizer (EQ)

Customize your audio experience with the built-in digital equalizer. Adjust music/video sound output to your preference, with preset sound styles like Classic, Pop, Rock, Jazz, and Flat.



Image 5.5: Shows the interfaces for FM/RDS Radio tuning, the graphic equalizer for audio effect customization, and the Steering Wheel Control (SWC) function setup, allowing users to map car steering wheel buttons to stereo functions.

6. MAINTENANCE

To ensure the longevity and optimal performance of your UNITOPSCI Android Car Stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and ports.
- **Software Updates:** Periodically check for software updates provided by UNITOPSCI to ensure you have the latest features and bug fixes. Updates can often be performed via WiFi.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures. While designed for automotive use, prolonged exposure to direct sunlight or freezing conditions can affect performance.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.

7. TROUBLESHOOTING

If you encounter issues with your UNITOPSCI Android Car Stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, incorrect wiring.	Check all power cable connections. Inspect vehicle's fuse box and the unit's fuse. Verify wiring against installation diagram.
No sound or distorted audio.	Speaker wires disconnected, incorrect audio settings, damaged speakers.	Check speaker wire connections. Adjust EQ settings. Test with different audio sources.
GPS signal is weak or inaccurate.	GPS antenna not properly installed or obstructed.	Ensure GPS antenna is mounted in a clear location (e.g., dashboard, away from metal obstructions). Check antenna connection.
Bluetooth connection issues.	Device not discoverable, incorrect pairing, interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Move devices closer.
Backup camera not displaying.	Camera not connected, trigger wire issue, camera malfunction.	Check camera video input and trigger wire connections. Ensure vehicle is in reverse gear.
Steering Wheel Controls not working.	Incorrect wiring, CANbus not configured, learning process not completed.	Verify SWC wiring. If applicable, ensure CANbus settings are correct in factory settings. Perform SWC learning process.

Problem	Possible Cause	Solution
Unit requires additional wire harness/CANbus.	Original vehicle radio had a navigation system.	Contact UNITOPSCI support for the correct additional harness and CANbus adapter. This is a known requirement for certain Lexus ES configurations.

If the problem persists after trying these solutions, please contact UNITOPSCI customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Operating System	Android 13
Chipset	8227L
Radio Chip	MTK
Memory	2GB RAM + 64GB ROM
Power Output	4*45W
Work Temperature	-20°C to 75°C
Screen Size	9 Inches
Screen Resolution	1024x600
Power Amplifier Chip	TDA7388
Connectivity	Wireless CarPlay, Android Auto, Bluetooth 4.2, Wi-Fi
Navigation	Built-in GPS (online/offline maps), North America map type
Radio Band	FM/RDS (87.5-108MHz)
Reversing Input	AHD/CVBS (Backup Camera Included)
USB Interface	Double USB
Special Features	Mirror Link, Split Screen Display, Video Output, Steering Wheel Control, External Microphone Support
Audio Formats	APE/FLAC/WAV/MP3/WMA etc.
Video Formats	MKV/RMVB/AVI/MP4/MDV etc.
Picture Formats	PNG/JPEG/JPG/GIF/WBMP/BNP etc.
Item Weight	3.23 pounds
Product Dimensions	1 x 1 x 1 inches

9. WARRANTY AND SUPPORT

UNITOPSCI is committed to providing high-quality products and satisfactory services. Your product comes with a manufacturer's warranty and dedicated customer support.

Warranty Information:

- **Manufacturer Warranty:** 2 Year Manufacturer Warranty.
- **Replacement:** Replacement available within 24 months.
- **Returns:** 60-days No Worry to Return policy.

Customer Support:

UNITOPSCI offers lifetime after-sales consultation and technical support. For any inquiries, technical assistance, or warranty claims, please contact our support team:

- **Online Support Email:** UNITOPSCI@126.com
- **Response Time:** Quick response typically within 16 hours.

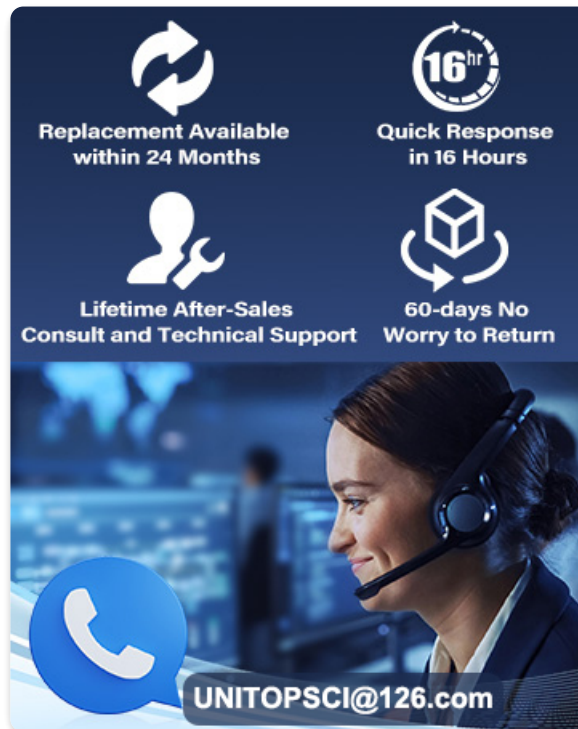


Image 9.1: Displays key customer support benefits including replacement availability within 24 months, quick response within 16 hours, lifetime after-sales consult and technical support, and a 60-day no-worry return policy. Contact email is provided.