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KiriNavi GS300 GS350 GS400

KiriNavi 12.8-Inch Vertical Touch Screen Car Stereo User Manual

For Lexus GS GS300 GS350 GS400 (2004-2011)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KiriNavi 12.8-inch Vertical Touch Screen Car Stereo. This unit is designed as a replacement multimedia player for Lexus GS GS300, GS350, and GS400 models manufactured between 2004 and 2011. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your driving experience.

2. PRODUCT OVERVIEW AND KEY FEATURES

The KiriNavi Car Stereo is an advanced multimedia system featuring a large vertical touch screen and the Android 12 operating system. It integrates various functions to enhance your vehicle's infotainment capabilities.

Key Features:

- **Operating System:** Android 12
- **Processor:** 8-Core CPU
- **Memory:** 4GB RAM + 64GB ROM
- **Display:** 12.8-inch 1280*720P IPS Vertical Touch Screen
- **Smartphone Integration:** Wireless and Wired Apple CarPlay & Android Auto with Voice Control
- **Navigation:** Built-in GPS + GLONASS, supports online and offline maps (Apple Maps, Google, Waze)
- **Connectivity:** Wi-Fi, 4G Network support, Bluetooth 5.0
- **Audio:** FM/AM/RDS Radio, Digital Sound Processor (DSP) with 32-band Equalizer, Subwoofer output
- **Camera Support:** HD Night Vision Backup Camera (170° viewing angle, waterproof)
- **Control:** Steering Wheel Control compatibility
- **Multitasking:** Split Screen Display functionality

8-core processor



Support BT 5.0



Android 12 System

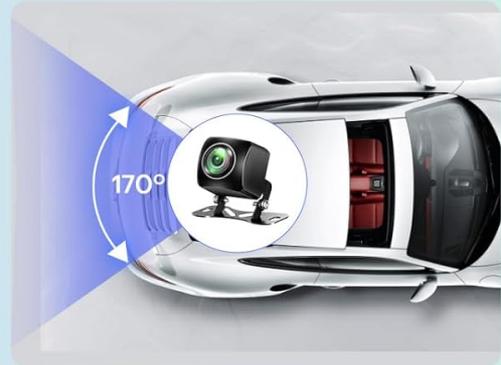


Large HD screen

Professional grade
color accuracy



170° Viewing angle



Carplay + Android Auto



Image: Overview of the KiriNavi Car Stereo's core features, including its 8-core processor, Bluetooth 5.0, Android 12 system, large HD screen, professional color accuracy, 170-degree viewing angle, and support for CarPlay and Android Auto.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- KiriNavi 12.8-inch Car Stereo Unit
- RCA Cable
- Reversing Control Cable
- GPS Antenna
- USB Cable (x2)
- Power Cable & CANBUS
- 4G Antenna
- User Manual (this document)
- Installation Tool



Image: The KiriNavi car stereo unit displayed alongside its complete set of accessories, including various cables, antennas, and tools for installation.

4. SETUP AND INSTALLATION

Installation of this car stereo requires technical knowledge and experience with automotive electronics. It is highly recommended to seek professional installation to avoid damage to the unit or your vehicle. Incorrect installation can lead to malfunctions or damage.

4.1 Compatibility Notes

- This unit is specifically designed for Lexus GS GS300, GS350, and GS400 models from 2004-2011.
- For certain 'Top model' Lexus vehicles, an additional fiber optic decoder box may be required for full functionality. Please consult with the seller or a professional installer if your vehicle is a 'Top model'.
- Review the image below to understand which original equipment manufacturer (OEM) radio features are supported or not supported by this unit.



Support



Support



Support



No Support

Image: A visual guide illustrating which functions of the original Lexus GS radio are compatible with the KiriNavi stereo and which are not, specifically noting that the 'SETUP' button may not be supported.

4.2 General Installation Steps (Professional Installation Recommended)

1. **Disconnect Battery:** Before starting, disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. **Remove OEM Unit:** Carefully remove the existing factory radio and trim panels. Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring Harness:** Connect the provided power cable and CANBUS adapter to the vehicle's wiring harness. Ensure all connections are secure.
4. **Connect Antennas:** Attach the GPS antenna and 4G antenna to the corresponding ports on the new head unit. Position the antennas in a location with clear signal reception.
5. **Connect RCA and Control Cables:** Connect the RCA cables for audio output and the reversing control cable for the backup camera.
6. **Backup Camera Installation:** If installing the included backup camera, route its cable to the rear of the vehicle and connect it to the reversing control cable. Ensure the camera is mounted securely and provides a clear view.
7. **Test Connections:** Before fully reassembling, temporarily connect the battery and power on the unit to

test basic functions (power, audio, display).

8. **Secure Unit:** Mount the KiriNavi stereo securely into the dashboard opening.

9. **Reassemble:** Reinstall all trim panels and reconnect the battery.

Lexus GS300 GS350 GS400 2004-2011



Before installation



Before installation

Image: A visual comparison showing the original Lexus GS dashboard before installation and the updated dashboard with the KiriNavi 12.8-inch vertical touch screen stereo successfully installed.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. A long press on the power button (if available) can turn the screen off or put the unit into standby.
- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the 12.8-inch touch screen.
- **Volume Control:** Adjust volume using the on-screen controls or the vehicle's steering wheel controls.

5.2 Navigation

The unit supports both online and offline navigation. Pre-installed GPS + GLONASS ensures high-precision positioning.

- **Online Maps:** Connect to Wi-Fi or 4G network to use apps like Google Maps, Waze, or Apple Maps for real-time traffic and navigation.
- **Offline Maps:** Download map data for offline use in areas with limited network coverage.
- **Voice Guidance:** Follow spoken directions for turn-by-turn navigation.

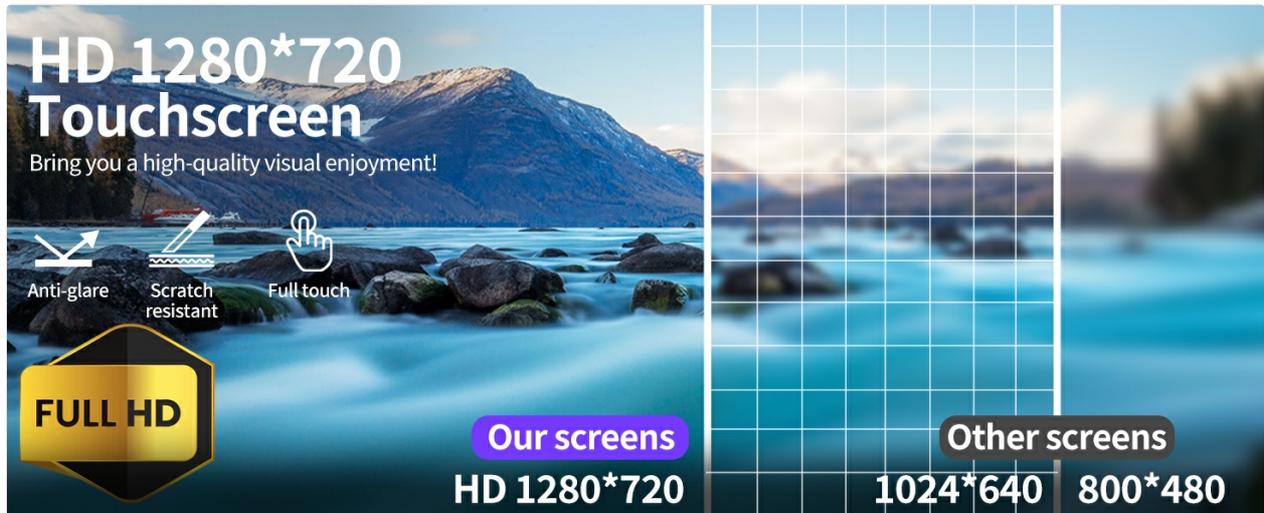


Image: The KiriNavi car stereo interface displaying various application icons and a summary of its key functionalities.

5.3 Audio and Radio

- **FM/AM/RDS Radio:** Access local radio stations. RDS (Radio Data System) provides station information.
- **Music Player:** Play audio files from USB, internal storage, or streaming apps.
- **DSP & Equalizer:** Utilize the built-in Digital Sound Processor and 32-band equalizer to customize audio output. Adjust frequency bands, bass, and other sound settings for optimal listening.
- **Subwoofer Output:** Connect an external subwoofer for enhanced bass.

FM / AM / RDS / 32EQ / Subwoofer

Enjoy superior sound with the car radio in your vehicle



Image: Visual representation of the KiriNavi car stereo's audio capabilities, highlighting FM/AM/RDS radio, 32-band EQ, subwoofer support, and DSP for sound customization.

5.4 Connectivity (Wi-Fi, 4G, Bluetooth)

- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your smartphone) to access online content, download apps, and use online navigation.
- **4G Network:** Insert a 4G SIM card (if supported by your model) to enable direct internet access.
- **Bluetooth 5.0:** Pair your smartphone for hands-free calling, contact synchronization, and audio streaming.



Image: The Bluetooth 5.0 interface, illustrating features like hands-free calling, music streaming, and contact synchronization.

5.5 Apple CarPlay & Android Auto

Connect your smartphone via wireless or wired connection to access CarPlay or Android Auto.

- **Voice Control:** Use Siri (for CarPlay) or Google Assistant (for Android Auto) to control navigation, calls, messages, and music hands-free.
- **App Access:** Access compatible apps from your phone directly on the stereo screen.

Wireless & Wired Carplay Android Auto

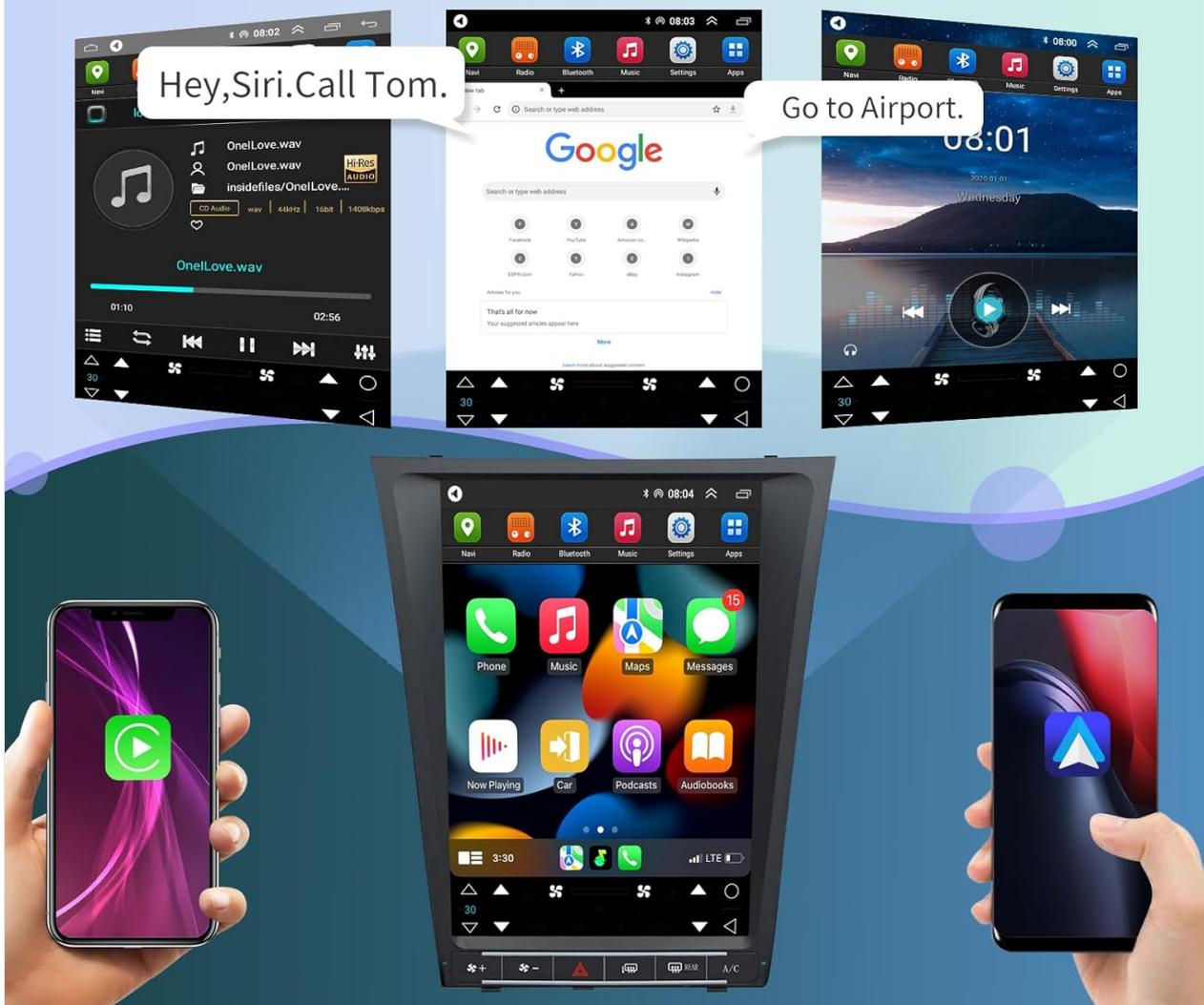


Image: Demonstrates the Wireless and Wired Apple CarPlay and Android Auto functionality, including voice command examples.

5.6 Backup Camera

When the vehicle is shifted into reverse, the screen will automatically display the view from the connected backup camera.

- **HD Image:** Provides a clear, high-definition view of the area behind your vehicle.
- **Night Vision:** Enhanced visibility in low-light conditions.
- **Wide Angle:** Offers a broad field of view to minimize blind spots.

Backup Camera

The night images are still bright and clear, making reversing safer.



AHD camera



Night Vision



Wide Angle



Waterproof



Steering Wheel control

Through it you can control the functions you need by steering wheel, more convenient.



Image: The backup camera display with parking guidelines, highlighting its HD, night vision, and wide-angle capabilities, along with steering wheel control functions.

5.7 Steering Wheel Control

The unit supports learning and mapping functions from your original steering wheel buttons, allowing convenient control of media playback, calls, and other functions.

- **Setup:** Access the steering wheel control settings in the unit's menu to program buttons.
- **Functions:** Control volume, skip tracks, answer/end calls, and activate voice assistant.

5.8 Split Screen Display

The split-screen feature allows you to run two applications simultaneously on the 12.8-inch display, such as navigation and music playback.

- **Activation:** Typically activated by long-pressing an app icon or using a dedicated split-screen button/gesture.
- **Usage:** Drag and drop apps to desired screen halves.

6. MAINTENANCE

- **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 harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates provided by KiriNavi to ensure optimal performance and access to new features. Follow the instructions provided with the update.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, vehicle battery issue	Check power connections, inspect vehicle fuses, ensure battery is charged. Consult a professional installer.
No sound or poor sound quality	Incorrect speaker wiring, DSP/EQ settings, amplifier issues, blown fuses (as reported by some users)	Verify speaker connections. Adjust DSP/EQ settings. Check for blown audio fuses. Ensure external amplifier (if used) is powered and connected correctly.
AC controls not working or malfunctioning	CANBUS wiring issue, software incompatibility (as reported by some users)	Recheck CANBUS connections. Ensure the correct CANBUS adapter is used for your specific vehicle model and year. Contact KiriNavi support for potential software updates or specific wiring diagrams.
Steering Wheel Controls not functioning	Incorrect wiring, unprogrammed controls, CANBUS issue	Ensure steering wheel control wires are correctly connected. Access the 'Steering Wheel Control' settings in the unit's menu and program each button. Verify CANBUS connection.
GPS signal weak or inaccurate	GPS antenna placement, environmental interference	Ensure the GPS antenna is mounted in a location with a clear view of the sky, away from metal obstructions.
Bluetooth connection issues	Pairing mode not active, device too far, interference	Ensure both devices are in pairing mode. Keep devices within range. Delete previous pairings and try again.
Screen unresponsive or frozen	Software glitch, temporary error	Perform a soft reset (refer to the unit's specific reset procedure, usually a small reset button or holding the power button). If persistent, disconnect power for a few minutes.

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

8. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Item Weight	7.09 pounds
Package Dimensions	16.45 x 12.91 x 5.51 inches
Display Size	12.8 Inches
Voice Command	Buttons, Microphone, Touchscreen
Screen Size	12.8 Inches
Connectivity Technology	Bluetooth, Cellular, USB, Wi-Fi
Map Type	North America (pre-loaded, supports others)
Audio Output Mode	AUX, Stereo
Mounting Type	Panel Mount
Operating System	Android 12
Processor	8-Core CPU
RAM	4GB
ROM	64GB
Display Resolution	1280*720P
Bluetooth Version	5.0

9. SUPPORT AND WARRANTY

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact KiriNavi customer support.

9.1 Contacting Support

If you purchased your unit through Amazon, you can typically contact the seller directly:

1. Go to the product page on Amazon.
2. Locate the 'Sold by KiriNavi' section (usually near the buy box).
3. Click on the seller's name ('KiriNavi') to visit their storefront.
4. On the storefront page, look for a 'Have a question for KiriNavi?' or 'Ask a question' button.



Image: Instructions on how to contact KiriNavi technical support through the Amazon platform.

9.2 Warranty Information

Specific warranty terms and duration may vary. Please retain your proof of purchase. For detailed warranty information, contact KiriNavi customer support directly through the methods described above.