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› [KiriNavi](#) /

› [KiriNavi Android Car Stereo GPS Navigation System for Cadillac CTS 2007-2012 User Manual](#)

KiriNavi 0270ceb1-efe8-4962-ba32-96013fb79874

KiriNavi Android Car Stereo GPS Navigation System

USER MANUAL FOR CADILLAC CTS 2007-2012

1. Introduction

This manual provides detailed instructions for the KiriNavi Android Car Stereo GPS Navigation System, model 0270ceb1-efe8-4962-ba32-96013fb79874. This unit is designed specifically for Cadillac CTS models manufactured between 2007 and 2012. It integrates advanced multimedia, navigation, and connectivity features into your vehicle's dashboard.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize your experience with the device.

2. Product Overview

The KiriNavi Android Car Stereo is an advanced in-car entertainment and navigation system featuring a large vertical display and a comprehensive set of functionalities.

Key Features:

- **Operating System:** Android 11 (upgraded)
- **Processor:** 8-core CPU
- **Memory:** 4GB RAM + 32GB ROM
- **Display:** 9.7-inch vertical touchscreen, 1280x720P IPS
- **Connectivity:** Bluetooth 5.0, Wi-Fi, 4G network support
- **Navigation:** Integrated GPS + GLONASS, supports online and offline maps (Apple Maps, Google Maps, Waze)
- **Smartphone Integration:** Wireless Apple CarPlay and Wired Android Auto with voice control (Siri/Google Assistant)
- **Multimedia:** FM radio, USB input, AUX input, music and video player (supports 1080P HD video)
- **Audio Enhancement:** Built-in DSP (Digital Sound Processor) for professional sound adjustments
- **Vehicle Integration:** Supports original steering wheel controls, includes HD backup camera with 170° wide-angle and night vision



Figure 2.1: KiriNavi Android Car Stereo unit with included front and rear cameras.

3. Setup and Installation

The KiriNavi Android Car Stereo is designed for a standard fit in Cadillac CTS 2007-2012 models, generally eliminating the need for additional accessories. However, some vehicle-specific modifications may be required for optimal fitment.

Installation Steps:

1. **Preparation:** Ensure the vehicle's battery is disconnected before starting installation.
2. **Removal of Original Unit:** Carefully remove the existing car stereo and dashboard components as per your vehicle's service manual.
3. **Wiring Connections:** Connect the wiring harness from the KiriNavi unit to the vehicle's wiring. Ensure all connections are secure. Refer to the provided wiring diagrams.
4. **Camera Installation:** Install the included HD backup camera. Connect its video and power cables to the appropriate inputs on the head unit and the vehicle's reverse light circuit.
5. **Fitment:** Mount the KiriNavi unit into the dashboard. Some users have reported needing to make slight modifications to the original bracket or trim the back of the unit for a perfect fit.
6. **Testing:** Reconnect the battery and power on the unit to test all functions before fully reassembling the dashboard.

Note: If you are unsure about any part of the installation process, it is recommended to seek professional

assistance to avoid damage to the unit or your vehicle.

For Cadillac CTS 2007-2012

9.7 inch / 4+32G

✘ Before installation

✔ After installation



Figure 3.1: Comparison of the Cadillac CTS dashboard before and after KiriNavi stereo installation.

4. Operating Instructions

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually located on the front panel) to turn the unit on or off. A short press may mute/unmute audio.
- **Touchscreen:** Navigate the interface by tapping, swiping, and pinching on the 9.7-inch IPS touchscreen.
- **Volume Control:** Adjust volume using the physical buttons or on-screen controls.

4.2 GPS Navigation

The unit features an integrated GPS + GLONASS system for high-precision navigation. It supports various online and offline mapping applications.

- **Accessing Maps:** Tap the 'Navigation' or 'Maps' icon on the home screen.
- **Online Maps:** Ensure the unit is connected to Wi-Fi or 4G for real-time traffic and map updates.
- **Offline Maps:** Download map data for your region to use navigation without an internet connection.

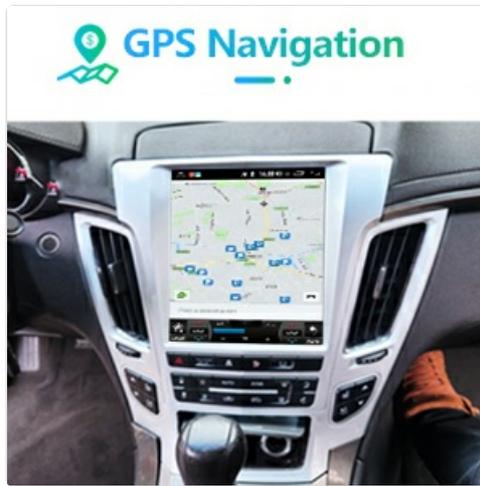


Figure 4.1: GPS navigation interface showing a map on the stereo display.

4.3 Bluetooth 5.0

Connect your smartphone via Bluetooth for hands-free calling and audio streaming.

- **Pairing:** Go to 'Settings' > 'Bluetooth' on the head unit. Enable Bluetooth on your phone and search for the unit (e.g., "KiriNavi Car Stereo"). Select it and confirm the pairing code.
- **Hands-Free Calls:** Once paired, you can make and receive calls directly from the unit's screen. Your phone's contacts can be synchronized.
- **Audio Streaming:** Play music from your phone through the car's speakers.



Figure 4.2: Bluetooth 5.0 features for stable connection and functionality.

4.4 Apple CarPlay & Android Auto

Integrate your smartphone for a seamless driving experience, accessing navigation, music, and communication apps.

- **Apple CarPlay:** Supports wireless connection. Connect your iPhone via Bluetooth, then follow on-screen prompts to activate CarPlay.
- **Android Auto:** Supports wired connection. Connect your Android phone via USB. Ensure Android Auto is installed on your phone.
- **Voice Control:** Use Siri or Google Assistant for hands-free control of apps, calls, and messages.



Figure 4.3: Apple CarPlay and Android Auto interfaces on the KiriNavi display.

4.5 Internet Connectivity (Wi-Fi & 4G)

Access online content, navigation, and applications by connecting to the internet.

- **Wi-Fi:** Go to 'Settings' > 'Wi-Fi' and connect to an available Wi-Fi network (e.g., a mobile hotspot).
- **4G Network:** Insert a compatible 4G SIM card into the designated slot (if available on your model) to enable mobile data connectivity.
- **App Downloads:** Download various applications like YouTube, Netflix, and Facebook from the app store.

Support 4G+WIFI



Figure 4.4: Display showing various applications accessible via 4G or Wi-Fi.

4.6 Multimedia Playback

- **USB/AUX:** Connect USB drives or external audio devices to the respective ports for media playback.
- **FM Radio:** Access the 'Radio' application to scan for and save your favorite FM stations.
- **Video Player:** The unit supports 1080P HD video playback from connected storage or streaming apps.

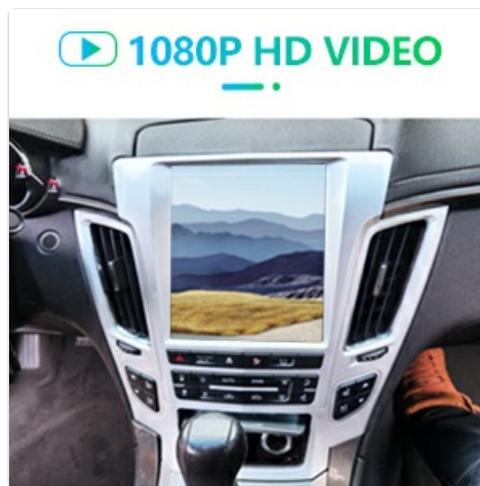


Figure 4.5: Example of 1080P HD video playback on the unit.

4.7 Steering Wheel Controls (SWC)

The unit supports the original steering wheel button study function, allowing you to control various features without taking your hands off the wheel.

- **Configuration:** Access the 'Steering Wheel Control' settings in the unit's menu. Follow the on-screen instructions to map your vehicle's steering wheel buttons to the desired functions (e.g., volume, track skip, mode).



Figure 4.6: Steering wheel controls for convenient operation.

4.8 Rear View Camera

The included HD backup camera provides a 170° wide-angle view with night vision, automatically displaying the rear view when the vehicle is in reverse gear.

- **Automatic Display:** When the vehicle is shifted into reverse, the screen will automatically switch to the camera view.
- **Guidelines:** Dynamic parking guidelines may be displayed to assist with parking maneuvers.



Figure 4.7: Rear view image displayed on the unit, assisting with safe parking.

4.9 DSP Sound Adjustments

The built-in Digital Sound Processor (DSP) allows for professional-grade audio customization.

- **Accessing DSP:** Navigate to the 'Sound Settings' or 'DSP' application on the unit.
- **Equalizer:** Adjust frequency bands to tailor the audio output to your preference.
- **Sound Field:** Configure sound staging and balance for optimal listening.



Figure 4.8: DSP equalizer interface for fine-tuning audio settings.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your KiriNavi car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics screens. Dampen slightly with water or a screen cleaner if necessary. Avoid harsh chemicals.
- **General Cleaning:** Wipe the unit's frame and buttons with a soft, dry cloth. Do not use abrasive cleaners.
- **Software Updates:** Periodically check for software updates through the unit's settings or the manufacturer's website to ensure the latest features and security patches.
- **Temperature:** Avoid exposing the unit to extreme temperatures for prolonged periods.

6. Troubleshooting

If you encounter issues with your KiriNavi car stereo, refer to the following common troubleshooting steps.

Common Issues and Solutions:

- **Unit Does Not Power On:**
 - Check all power connections and fuses.
 - Ensure the vehicle's battery is properly connected and charged.
- **No Sound:**
 - Check volume levels and mute settings.
 - Verify speaker connections.
 - Ensure the correct audio source is selected.
- **GPS Signal Loss/Inaccuracy:**
 - Ensure the GPS antenna is properly installed and has a clear view of the sky.
 - Move the vehicle to an open area away from tall buildings or dense foliage.
- **Bluetooth Connection Issues:**
 - Ensure Bluetooth is enabled on both the unit and your phone.
 - Delete previous pairings and re-pair the devices.
 - Restart both the unit and your phone.

- **Rear View Camera Image Blurry or Not Displaying:**

- Check the camera's video cable connection to the head unit.
- Ensure the camera lens is clean and free from obstructions.
- Verify the camera's power connection to the reverse light circuit.

- **Heat Control Issues (Cadillac CTS specific):**

- Some users have reported issues with climate controls after installation. This often requires specific wiring checks or software configuration. Contact KiriNavi customer support for detailed guidance.

- **Cosmetic Issues (e.g., frame cracking):**

- If you observe any physical defects or material degradation, contact customer support immediately.

For persistent issues not covered here, please refer to the Support section.

7. Specifications

Feature	Specification
Manufacturer	Kirinavi.net
Brand	KiriNavi
Model Number	0270ceb1-efe8-4962-ba32-96013fb79874
Compatible Vehicle Year	2007-2012 (Cadillac CTS)
Color	Black
Package Dimensions	50.39 x 40.59 x 15.29 cm
Item Weight	3.15 kilograms
Operating System	Android 11 (updated)
Processor	8-core CPU
RAM	4GB
ROM	32GB
Screen Size	9.7 Inches
Display Resolution	1280x720P IPS Touchscreen
Connectivity Technology	Bluetooth 5.0, Ethernet, USB, Wi-Fi, 4G
Special Features	Android Auto, Apple CarPlay, Bluetooth, Touchscreen, Built-in Wi-Fi, DSP

8. Support and Warranty

KiriNavi is committed to providing customer support for its products.

- **Installation Assistance:** If you are unsure about vehicle compatibility or installation, you can send a photo of your car's central control to KiriNavi customer service for confirmation before purchase.
- **Technical Support:** For any operational or technical questions, or if you encounter issues not resolved

by the troubleshooting guide, please contact KiriNavi customer support.

- **Warranty Information:** Specific warranty details are typically provided at the time of purchase or can be obtained by contacting KiriNavi customer service directly. Keep your proof of purchase for warranty claims.

Contact information for KiriNavi support can usually be found on the product packaging, the seller's page, or the official KiriNavi website.