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ZWNAV 8GB+128GB

ZWNAV Qualcomm Android 11 Car Stereo User Manual

For Infiniti FX, FX35, FX45 (2006-2008)

Introduction	Setup	Operating	Maintenance	Troubleshooting	Specifications	Warranty & Support
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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZWNAV Qualcomm Android 11 Car Stereo. This unit is specifically designed as a replacement multimedia player for Infiniti FX, FX35, and FX45 models manufactured between 2006 and 2008. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Package Contents

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



After installation

for Infiniti FX FX35 FX45 2006 - 2008



Before installation



Image 1.1: Overview of the ZWNAV car stereo package contents, including the main head unit, various cables, and antennas.

- Main Head Unit (Android 11 Car Stereo)
- Power Cable
- Audio Cable
- RCA Cable
- GPS Antenna
- Microphone
- USB Cable (x2)
- WiFi Antenna
- 4G Antenna
- Reversing Camera
- Canbus Decoder

2. SETUP AND INSTALLATION

The ZWNAV car stereo is designed for plug-and-play installation with compatible cables, requiring no modification to your vehicle's existing wiring. Professional installation is recommended.

Installation Overview



Image 2.1: Visual comparison of the dashboard before and after installing the ZWNAV car stereo, highlighting the integrated Tesla-style screen.

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation.
2. **Remove Original Unit:** Carefully remove the existing factory radio and trim panels from your Infiniti FX, FX35, or FX45 (2006-2008). Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring:** Connect the provided power cable, audio cables, RCA cables, GPS antenna, 4G antenna, WiFi antenna, and USB extension cords to the corresponding ports on the new head unit. Ensure all connections are secure.
4. **Canbus Connection:** Connect the Canbus decoder to the vehicle's wiring harness as instructed. This ensures proper communication with the vehicle's systems, such as steering wheel controls.
5. **Camera Installation (Optional):** If installing the reversing camera, route the camera cable to the rear of the vehicle and connect it to the designated input on the head unit.
6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the battery and turn on the ignition to test

the basic functions of the stereo, including power, audio, touch screen, and steering wheel controls.

7. **Secure Unit:** Once confirmed operational, carefully mount the new head unit into the dashboard opening and reassemble all trim panels.

3. OPERATING INSTRUCTIONS

Your ZWNAV car stereo runs on Android 11, offering a wide range of features and customization options.

Android 11 System Overview



Image 3.1: Key features of the Android 11 system, including the Qualcomm Snapdragon 665 processor and integrated technologies.

- **Processor:** Qualcomm Snapdragon 665 octa-core processor (Quad-Core Cortex-A73 2.0GHz + Quad-Core Cortex-A53 1.8GHz).
- **Memory:** 8GB RAM (LPDDR4) + 128GB ROM.
- **Display:** 11.8-inch IPS Full Viewing Angle Touch Screen with 1024x600 resolution.

- **Operating System:** Android 11.

CarPlay & Android Auto

Connect your smartphone for seamless integration of navigation, music, calls, and messages.



Image 3.2: Display of Apple CarPlay and Android Auto interfaces on the car stereo screen.

- **Wireless CarPlay:** For Apple iOS devices. Connect via Bluetooth and Wi-Fi.
- **Wired Android Auto:** For Android devices. Connect via USB cable.
- Access phone apps directly from the stereo screen.

4G LTE Connectivity

Insert a SIM card to enable direct internet access for online streaming, navigation, and app downloads.

Built-In Carplay And Android Auto

You Can Cast The Software On Your Phone to
Our Products And Control The Software On
Your Phone On The Screen.



Image 3.3: Detail of the SIM card slot for 4G LTE and supported network frequencies.

- Supports LTE-FDD (B1/3/5/7/8/20/28) and LTE-TDD (B38/40/41).
- Also compatible with WCDMA (B1/2/5/8) and GSM (850/900/1800/1900MHz).

Smart Voice Control

Utilize voice commands for hands-free operation, enhancing safety and convenience.

With SIM card slot, Support 4G LTE

The SIM card can be used to provide the network for this product,
Support 4G LTE-FDD and LTE-TDD,
Compatible with WCDMA, GSM and other network standards



LTE-FDD: B1/3/5/7/8/20/28
LTE-TDD: B38/40/41
WCDMA: B1/2/5/8
GSM: 850/900/1800/1900MHz



Smart Voice Control 3.0

Voice Recognition Is More Sensitive And Commands More.
Free Your Hands, Make Driving Safer And More Convenient to Use

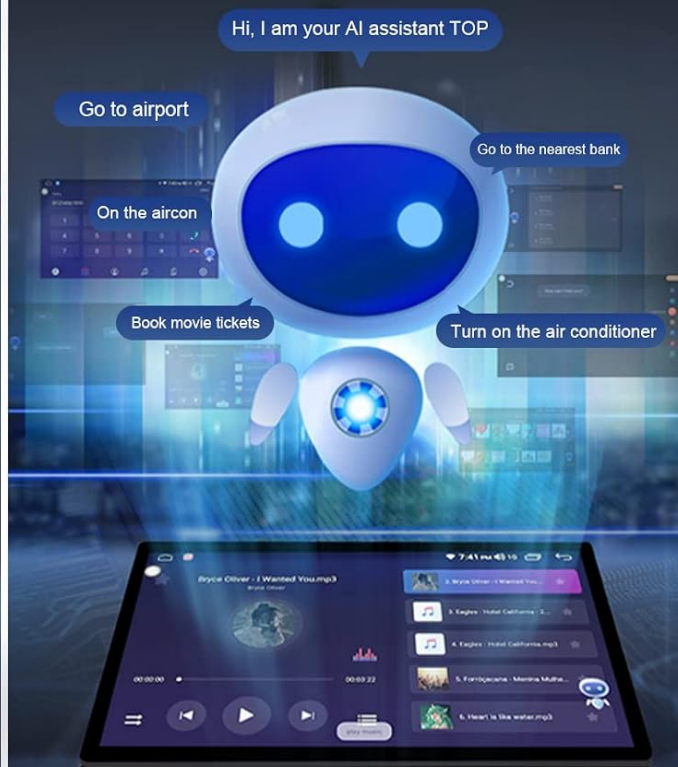


Image 3.4: Illustration of the Smart Voice Control 3.0 feature and example commands.

- Supports offline language control and multiple languages.
- Issue commands for navigation, music playback, calls, and system settings.

Split Screen Function

Run two applications simultaneously on the screen, such as navigation and music player.

Split Screen

Freely define upper and lower split-screen applications, drag up and down to select different combinations, two applications are displayed on a split screen, while swiping videos, while navigating; listening to music and watching webpages; more combinations, more freedom.

12.1 " Tesla-Style Screen

G+G Full-Fit Multi-Touch Capacitive Screen
IPS Full Viewing Angle Display Screen
1024*768 Ultra-Clear Resolution



Image 3.5: Example of the split-screen functionality, displaying two apps concurrently.

- Drag and drop applications to define upper and lower split-screen combinations.
- Note: Compatibility may vary for some third-party applications.

Additional Features

- **DSP and Audio Output:** Built-in DSP with 16-band EQ adjustment. Supports subwoofer/treble/midrange/bass crossover adjustment. Features a 7850 power amplifier IC with 50W*4 output and subwoofer output.
- **Bluetooth 5.0:** Supports three-way calling and advanced Qualcomm 5.0 solution for NX TX ATTX lossless sound quality.
- **Radio:** SI4745 radio module supports FM, AM, and RDS functions.
- **GPS Navigation:** Built-in GPS module with pre-installed Google Maps. Supports downloading other navigation apps like IGO and Sygic.
- **Multi-language Support:** Default language is English, supporting over 70+ languages.
- **Wi-Fi:** Supports 2.4G and 5G network signals.

4. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system updates to ensure the latest features and security patches. Updates can usually be found in the system settings or through the manufacturer's website.
- **Temperature:** Avoid exposing the unit to extreme temperatures for extended periods.

5. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Solution
Unit does not power on.	Check power cable connections and vehicle's fuse box. Ensure the battery is connected.
No sound from speakers.	Verify audio cable connections. Check volume settings and ensure the amplifier (if external) is powered.
Touch screen is unresponsive.	Restart the unit. If the problem persists, perform a factory reset (data will be lost).
GPS signal is weak or unavailable.	Ensure the GPS antenna is properly connected and placed in an unobstructed location (e.g., on the dashboard).
Bluetooth connection issues.	Ensure Bluetooth is enabled on both the stereo and your device. Delete previous pairings and try reconnecting.
Steering wheel controls not working.	Verify Canbus decoder connection and configuration in the unit's settings.

6. SPECIFICATIONS

Detailed technical specifications for the ZWNAV Qualcomm Android 11 Car Stereo.

Feature	Detail
Operating System	Android 11
CPU	Qualcomm Snapdragon 665 Octa-core (2.0GHz)
RAM	8GB LPDDR4
ROM	128GB
Screen Size	11.8 Inches
Display Type	IPS Full Viewing Angle, Capacitive Touchscreen

Feature	Detail
Resolution	1024 x 600
Connectivity	Bluetooth 5.0, Wi-Fi (2.4G & 5G), 4G LTE (SIM slot)
GPS	Built-in GPS module, supports North America maps
Audio Output Mode	Stereo, 50W*4 (7850 IC), Subwoofer output
Special Features	Wireless CarPlay, Wired Android Auto, Built-in DSP (16-band EQ), Voice Control, Split Screen
Compatible Vehicle Type	Infiniti FX, FX35, FX45 (2006-2008)
Mounting Type	Dashboard Mount

7. WARRANTY AND SUPPORT

ZWNAV provides comprehensive support for your product.

- **Warranty:** This product comes with a one-year warranty from the date of purchase.
- **After-Sales Service:** Lifetime after-sales service is provided.
- **Contact Support:** For any questions, technical assistance, or warranty claims, please contact ZWNAV customer service via Amazon or email at ZWNNUSGPS@outlook.com.

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