

ZWNAV B0CHB6T6SP

ZWNAV Qualcomm Android 11 Tesla Style Car Radio User Manual

For Chevrolet Silverado & GMC Sierra 2014-2019

[Introduction](#) [Specifications](#) [Setup](#) [Operating Support](#) [Maintenance](#) [Troubleshooting](#) [Warranty &](#)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZWNAV Qualcomm Android 11 Tesla Style Touch Screen Car Radio. This unit is designed as a stereo replacement and GPS navigation unit for Chevrolet Silverado and GMC Sierra models manufactured between 2014 and 2019. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your experience.



Image 1.1: ZWNAV Tesla Style Car Radio main unit with 8+128GB, 8 Core, Qualcomm Snapdragon, and Android 11 branding.

2. KEY FEATURES

- **Model Compatibility:** Designed for Chevrolet Silverado and GMC Sierra 2014-2019 (Black trim). Supports original camera, seat heating, and steering wheel heating.
- **Qualcomm Processor:** Android 11 System with Snapdragon 665 Model (Quad-Core Cortex-A73 2.0GHz + Quad-Core Cortex-A53 1.8GHz). Features 8GB RAM and 128GB ROM with LPDDR4 memory for faster read and write speeds.
- **DSP and Audio Output:** Integrated Digital Sound Processor (DSP) with 16-segment EQ adjustment. Supports Subwoofer/Treble/Midrange/Bass Crossover adjustment. Equipped with a 7850 Power Amplifier IC, providing 4-channel audio output up to 50W, including subwoofer output.
- **CarPlay & Android Auto:** Built-in wireless CarPlay and wired Android Auto for seamless smartphone integration.
- **Display:** 14.4-inch HD Touch Screen with LED technology, wide viewing angle, and 1920*1080 resolution. Supports 4K video playback.
- **4G LTE Support:** Direct insertion for calling card, enabling continuous and uninterrupted network support without manual Wi-Fi connection. Facilitates online music, video, and other internet-dependent functions.
- **Dynamic GUI:** User-friendly graphical interface with various display modes including main page, FM/AM Radio, CarPlay, DSP settings, Music player, and APPS.
- **GPS Navigation:** Supports various navigation applications.
- **Split Screen:** Allows for simultaneous display of two applications.

- **Bluetooth 5.0:** Enhanced connectivity for calls and audio streaming.
- **Multilingual Voice Control:** Supports English, Spanish, Portuguese, Italian, and French.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Operating System	Android 11
Processor	Qualcomm Snapdragon 665 (Quad-Core Cortex-A73 2.0GHz + Quad-Core Cortex-A53 1.8GHz)
RAM	8GB LPDDR4
Internal Storage	128GB ROM
Display Size	14.4 inches
Display Resolution	1920x1080
Connectivity	Bluetooth 5.0, Wi-Fi, 4G LTE
Audio Output Mode	Stereo (4-channel, 50W max per channel)
Special Features	Touchscreen, Built-in DSP, Wireless CarPlay, Wired Android Auto, GPS Navigation, Split Screen, Voice Control
Human Interface Input	Touchscreen
Vehicle Service Type	Car (Chevrolet Silverado, GMC Sierra 2014-2019)
Manufacturer	ZWNAV

4. SETUP AND INSTALLATION

The ZWNAV car radio is designed for direct replacement in compatible vehicles. All necessary installation kits are included in the package, eliminating the need for additional purchases of accessories or cables.



Image 4.1: Visual comparison of OEM 4.2-inch (Type A), 7-inch (Type B), and 8-inch (Type C) car radios before installation, and the ZWNAV unit after installation in a vehicle dashboard.

All installation kits are in the package >

Our product comes with GPS antenna, USB adapter, RCA cable, video input cable, power cord, etc. All installation kits are in the package. It can be used normally without purchasing any other accessories or cables



Package Content



Image 4.2: The package content includes the head unit, power cable, 4G cable, USB cable, AV cable, microphone, GPS antenna, buzzer, Canbus, and WiFi antenna.

4.1. Pre-Installation Checklist

- Ensure your vehicle is a Chevrolet Silverado or GMC Sierra model from 2014-2019.
- Verify that all components listed in the package content (Image 4.2) are present.
- Disconnect the vehicle's battery before starting installation to prevent electrical damage.

4.2. Installation Steps (General)

1. Carefully remove the original car radio and dashboard trim according to your vehicle's service manual.
2. Connect the provided wiring harnesses (power cord, 4G cable, USB cable, AV cable) to the corresponding ports on the ZWNAV head unit and your vehicle's wiring.
3. Install the GPS antenna, microphone, and WiFi antenna in suitable locations, ensuring clear signal reception.
4. Mount the ZWNAV head unit into the dashboard opening.
5. Reconnect the vehicle's battery and test the unit's basic functions before fully reassembling the dashboard trim.

6. Ensure all connections are secure and the unit powers on correctly.

5. OPERATING INSTRUCTIONS

This section details the primary functions and how to operate your ZWNAV car radio.

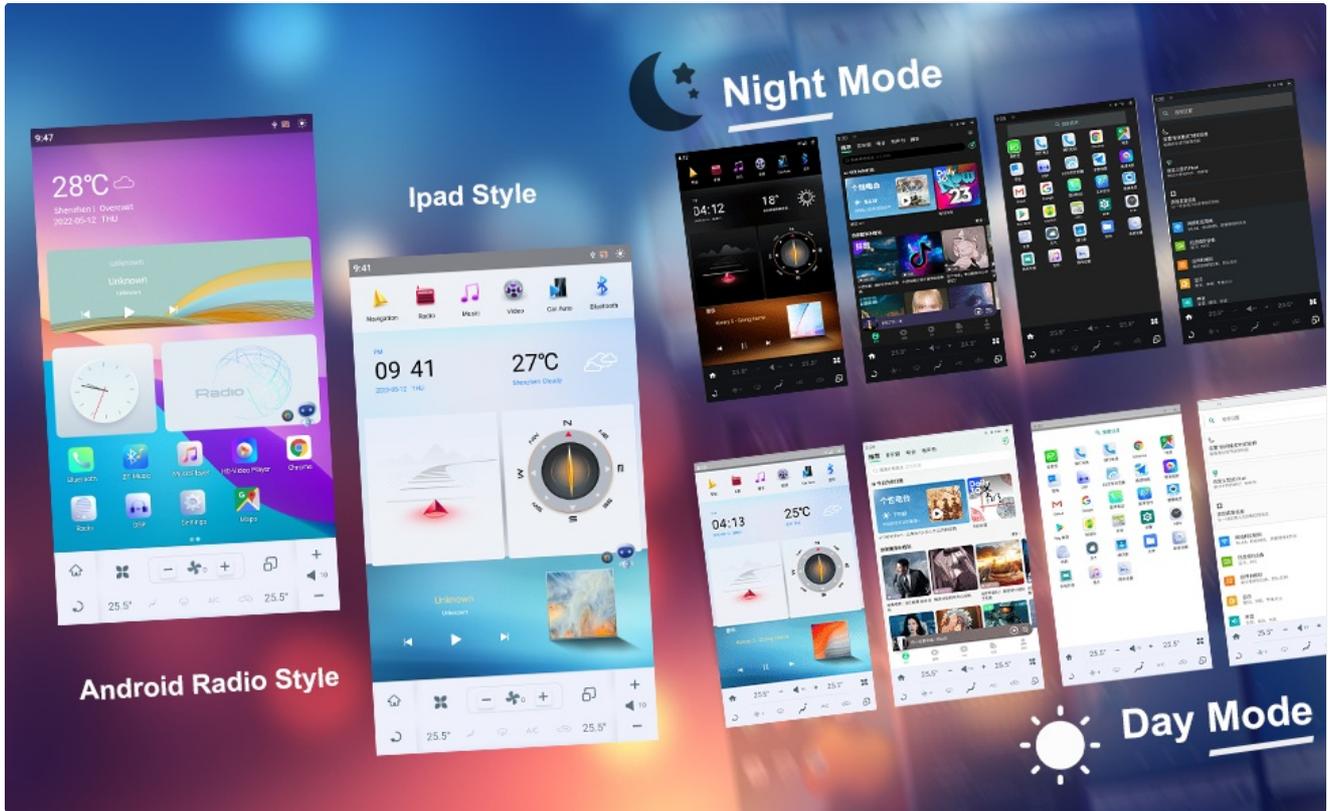


Image 5.1: Examples of the user interface in both Day Mode and Night Mode, showcasing different themes and layouts.

5.1. Basic Navigation and Interface

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Touch Screen:** Navigate through menus and applications by tapping, swiping, and pinching on the 14.4-inch HD touch screen.
- **Home Screen:** The main page provides quick access to frequently used functions like radio, music, and navigation.
- **Volume Control:** Adjust volume using the physical buttons on the unit, steering wheel controls, or on-screen controls.

Dynamic GUI



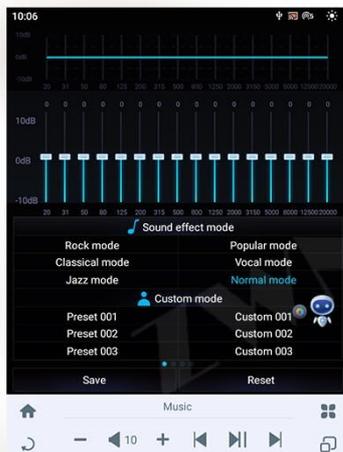
Main page



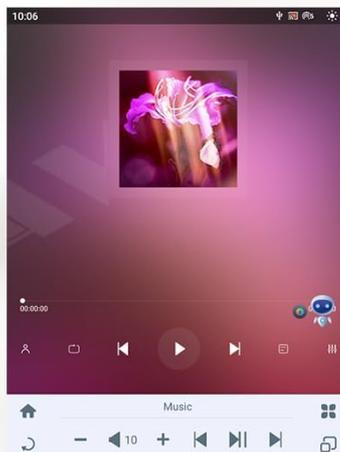
FM/AM Radio



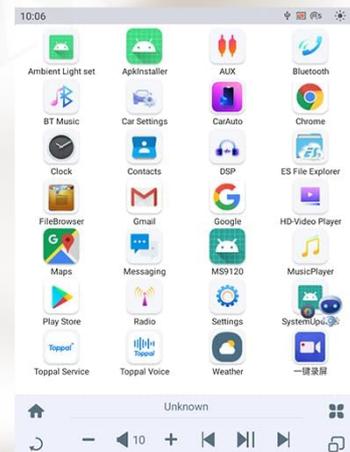
Carplay



DSP



Music



APPS

Image 5.2: Dynamic Graphical User Interface (GUI) examples, illustrating the main page, FM/AM Radio, CarPlay interface, DSP settings, music player, and application screen.

5.2. CarPlay & Android Auto

The unit supports both wireless CarPlay and wired Android Auto for seamless integration with your smartphone.

Carplay android auto

Built-in wireless carplay, you no longer need to connect a USB cable to interact with your mobile phone, just turn on the Bluetooth to connect.

Support Android AUTO. Just download an android auto on your phone to use



Image 5.3: The CarPlay interface shown on the ZWNAV car radio screen, demonstrating smartphone integration.



Image 5.4: Visual representation of CarPlay and Android Auto functionality, showing app icons and typical screen layouts.

- **Wireless CarPlay:** Turn on Bluetooth on your iPhone and connect to the car radio. Follow the on-screen prompts to enable CarPlay.

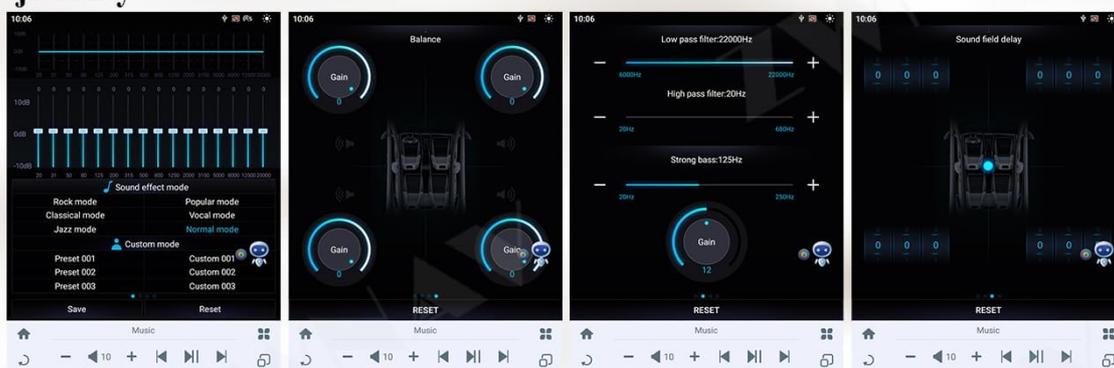
- **Wired Android Auto:** Connect your Android phone to the unit via a USB cable. Ensure Android Auto is installed on your phone.
- Once connected, you can access navigation, music, calls, and messages directly from the car radio screen.

5.3. Digital Sound Processor (DSP)

The built-in DSP allows for advanced audio customization.

Built-in DSP system

Built-in DSP system 16 Bands equalizer adjustment, and sound effects settings, speaker delay adjustment, You can adjust the playing style of each song at will Using TDA7850 power amplifier chip, HIFI level sound quality will accompany your journey



Time Delay

Best Sound Position



Image 5.5: DSP interface displaying a 16-band equalizer, sound effect settings, and speaker delay adjustments for optimal sound positioning.



Image 5.6: Icon representing the built-in DSP feature.

- Access the DSP settings from the main menu.
- Adjust the 16-segment equalizer to fine-tune audio frequencies.
- Utilize the subwoofer, treble, midrange, and bass crossover adjustments for precise sound control.
- Configure speaker delay settings to optimize the sound stage within your vehicle.

5.4. GPS Navigation

The unit supports various GPS navigation applications.



Image 5.7: GPS Navigation icon with a map illustration, indicating navigation capabilities.

- Open your preferred navigation app from the app drawer.
- Enter your destination using the on-screen keyboard or voice control.
- Follow the audio and visual directions for guidance.

5.5. Voice Control

The unit features multilingual voice control for hands-free operation.



Please note:

The default voice control is English, if you need to switch other languages, please enter the voice control software, [click: All languages](#), then select.

Image 5.8: Multilingual voice control feature, showing a driver using voice commands for various functions like navigation and climate control.

- Activate voice control by saying the wake-up phrase or pressing the voice command button (if available).
- Issue commands such as "Go to airport," "Play music," or "Turn on the air conditioner."
- The default voice control language is English. To switch languages, navigate to the voice control software settings and select your desired language.

5.6. Split Screen Functionality

Utilize the split-screen feature to run two applications simultaneously.



Image 5.9: Split Screen icon illustrating two applications, such as navigation and music, displayed concurrently.

- To activate split screen, open an application, then swipe from the side or use the recent apps button to drag another compatible app onto the screen.
- Adjust the size of each application window as needed.

5.7. Bluetooth 5.0

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



Image 5.10: Bluetooth 5.0 icon, indicating support for wireless phone calls and music playback.

- Enable Bluetooth on your smartphone and on the car radio.
- Search for available devices on your phone and select the ZWNAV unit.
- Confirm the pairing code on both devices.
- Once paired, you can make/receive calls and stream audio wirelessly.

5.8. 4G LTE Connectivity

The unit supports 4G LTE connectivity for continuous internet access.



Image 5.11: 4G LTE icon, showing a SIM card slot and antenna, indicating cellular data connectivity.

- Insert a compatible calling card into the designated slot on the unit.
- The unit will automatically connect to the 4G network, providing internet access for online applications, streaming, and updates.

6. MAINTENANCE

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

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with a screen cleaner solution (avoid harsh chemicals).
- **Software Updates:** Periodically check for and install software updates to ensure the system runs efficiently and has the latest features and security patches.
- **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. Loose connections can lead to intermittent issues.

7. TROUBLESHOOTING

This section addresses common issues you might encounter and provides potential solutions.

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.

Problem	Possible Cause	Solution
No sound output	Volume too low, mute activated, incorrect audio source, loose speaker wires	Increase volume. Check if mute is active. Select correct audio source. Verify speaker wire connections.
GPS signal lost or inaccurate	GPS antenna obstruction, poor satellite reception, outdated maps	Ensure GPS antenna has a clear view of the sky. Move to an open area. Update navigation maps.
CarPlay/Android Auto not connecting	Bluetooth/USB connection issue, phone software issue, incompatible phone	For wireless CarPlay, ensure Bluetooth is on and paired. For wired Android Auto, try a different USB cable. Restart phone and unit. Ensure phone OS is up to date.
Touch screen unresponsive	Software glitch, screen damage	Restart the unit. If issue persists, contact customer support.
Voice control not responding	Microphone issue, incorrect language setting, background noise	Check microphone connection. Verify voice control language setting. Reduce cabin noise.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact ZWNAV customer support.

8. WARRANTY AND SUPPORT

ZWNAV provides a one-year warranty for this product. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

- **Warranty Period:** One year 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. Refer to your purchase documentation for specific contact details or visit the official ZWNAV website.