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> CUSP 12.1 inch Vertical Screen Car Stereo Radio GPS Navigation for GMC Yukon Sierra Chevrolet Tahoe Suburban (Model CV-G631) Instruction Manual

## CUSP CV-G631

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Model: CV-G631 | Brand: CUSP

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CUSP 12.1 inch Vertical Screen Car Stereo Radio GPS Navigation system. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Image: CUSP 12.1 inch Vertical Screen Car Stereo Radio GPS Navigation System, showing the large vertical display integrated into a vehicle dashboard.

## 2. PRODUCT FEATURES

- **12.1-inch Vertical Touchscreen:** Large display for enhanced visibility and control.
- **Android Operating System:** Provides access to a wide range of applications.
- **Built-in GPS Navigation:** Supports online maps for accurate routing.
- **Wireless CarPlay & Android Auto:** Seamless smartphone integration for navigation, calls, and music.
- **Bluetooth 5.0:** For hands-free calling, phonebook access, and audio streaming.
- **DSP (Digital Sound Processor):** Advanced audio tuning capabilities for a customized sound experience.
- **Voice Control:** Hands-free operation for various functions.
- **Multimedia Playback:** Supports various audio and video formats (MKV, MP4, 3GP, AVI, etc.).
- **Steering Wheel Control Support:** Retains original vehicle steering wheel controls.
- **Built-in WiFi:** For internet connectivity and app downloads.
- **PX6 Hexa-core Processor:** Ensures smooth and responsive performance.



Image: Overview of key product features such as Built-in DSP, Video Player, CarPlay, Android Auto, Bluetooth 5.0, and Voice Control.

### 3. WHAT'S IN THE BOX

The package includes the following components:

- CUSP 12.1 inch Vertical Screen Car Stereo Unit
- Power Cables (various)
- Radio Antenna
- Camera Cables (various)
- Screws
- USB Cable
- Video Cable
- RCA Cable
- Brackets (2 types)
- GPS Antenna



Image: Front and rear views of the CUSP car stereo unit, along with all included cables and mounting brackets.

## 4. INSTALLATION GUIDE

Professional installation is recommended. Ensure the vehicle's power is off before beginning installation.

### 4.1. Removing the Original Radio

1. Carefully pry off the dashboard trim surrounding the original radio using a plastic pry tool.
2. Unscrew the mounting screws securing the original radio.
3. Gently pull out the original radio unit.
4. Disconnect all electrical connectors and antenna cables from the rear of the original radio.
5. Disconnect the climate control board from its wiring harness.

Your browser does not support the video tag.

Video: Installation guide for GMC Yukon/Tahoe Silverado's Android Radio, demonstrating the removal of the original radio unit and dashboard trim.

Your browser does not support the video tag.

Video: Detailed installation video for GMC Yukon 2007-2013, showing step-by-step removal and preparation for the new unit.

## 4.2. Preparing the New Unit

1. Remove the clips from the original car frame and install them onto the new unit's frame.
2. Connect the climate control board to the new unit's frame. Secure it with screws.

## 4.3. Connecting Wiring and Antennas

1. Connect the main power harness to the new unit and the vehicle's wiring.
2. Connect the camera cable to the "CCD-V" input on the new unit.
3. Connect the GPS antenna to the designated port on the new unit. Route the GPS antenna to the A-pillar of the car for optimal signal reception.
4. Connect the 4G antenna to the designated port. Remove the adhesive tape and stick the 4G antenna inside the center console.
5. Connect the speaker (if included) to the designated port. Remove the adhesive tape and stick the speaker inside the center console.
6. Connect the radio antenna.
7. Insert the SIM card into the SIM card slot (if applicable).

## 4.4. Installing the New Unit

1. Carefully slide the new car stereo unit into the dashboard opening.
2. Ensure all connections are secure and no wires are pinched.
3. Secure the unit with the appropriate screws.
4. Reattach the dashboard trim.

# 5. OPERATING INSTRUCTIONS

## 5.1. Basic Navigation and User Interface

The unit features a user-friendly Android interface. Swipe left or right on the home screen to access different applications and widgets. Tap on icons to open applications.



Image: User interface displaying climate control settings and main navigation icons.

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Video: Demonstration of the 12.1-inch display's user interface, showing various functions and responsiveness.

## 5.2. CarPlay and Android Auto

Connect your iPhone or Android smartphone wirelessly to access CarPlay or Android Auto. This allows you to use your phone's navigation, music, and communication features directly on the car stereo display.



Image: User interface demonstrating wireless CarPlay and Android Auto integration with mobile devices.

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Video: Instructions on how to connect CarPlay to the GMC Yukon Radio.

### 5.3. GPS Navigation

The unit comes with built-in GPS navigation supporting North America maps. You can use online navigation apps for real-time traffic and route updates.

# CUSP

## RADIO CHIP, WORK WITH DSP

The radio chip better than the original car, has less noise, and has a stronger closing sensitivity.



- Pre-set Stations
- FM 3\*6
- AM 2\*6
- FM/AM Frequency
- FM 65MHz
- 87.5MHz - 108MHz
- AM 522KHz - 1710KHz

## BLUETOOTH QUALCOMM BT5.0 CHIP

Support OBDII, phonebook, call history, automatic bluetooth connection, bluetooth music, talking freely



## DSP WITH AMPLIFIER TDA 7850

Play music, compatible with FLAC, APE, MP3, WAV, WMA, OGG, MID, AAC, RM, LFAAC etc. Radio and music audio with DSP.



Image: User interface showing GPS navigation, radio, and Bluetooth functionalities.

## 5.4. Bluetooth Functionality

Pair your mobile phone via Bluetooth 5.0 for hands-free calling, phonebook synchronization, and audio streaming (A2DP). The system supports caller ID display for incoming calls.

## 5.5. Audio and DSP Settings

Customize your audio experience using the built-in Digital Sound Processor (DSP). Adjust equalizer settings, bass, treble, balance, and sound field delay to optimize sound quality.



Image: User interface displaying DSP equalizer settings and video player functionality.

## 5.6. Multimedia Playback

The unit supports various video formats including MKV, MP4, 3GP, and AVI. Enjoy your favorite music and videos directly on the large display.

## 5.7. Voice Control

Utilize the voice control feature to operate the stereo hands-free. Commands can include turning on the radio, adjusting volume, navigating, and making calls.

## 5.8. Air Conditioning Control

The vertical screen integrates with your vehicle's air conditioning system, allowing you to control temperature, fan speed, and air direction directly from the display.

## 5.9. Steering Wheel Control

The system is designed to retain your original steering wheel control functions, allowing for convenient and safe operation of the stereo without taking your hands off the wheel.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your CUSP car stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or harsh chemicals.
- **Software Updates:** Periodically check for available software updates through the system settings to ensure you have the latest features and bug fixes.
- **Regular Checks:** Ensure all cables and connections remain secure. Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

## 7. TROUBLESHOOTING

If you encounter any issues with your CUSP car stereo, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections and ensure the vehicle's ignition is on. Verify the fuse is intact.
- **No Sound:** Check speaker connections, volume levels, and DSP settings. Ensure the correct audio source is selected.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the stereo and your mobile device. Try unpairing and re-pairing the device.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (refer to system settings).
- **System Lag/Freezing:** Close unnecessary background applications. Ensure sufficient storage space. A system reboot or factory reset may resolve persistent issues.

## 8. SPECIFICATIONS

Feature	Detail
Item Weight	7.83 pounds
Package Dimensions	14.6 x 12.4 x 9.5 inches
Item Model Number	CV-G631
Display Size	12.1 Inches
Voice Command	Touchscreen
Connectivity Technology	Bluetooth
Map Type	North America
Audio Output Mode	Stereo

Mounting Type	Dashboard Mount
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## 9. WARRANTY AND SUPPORT

This product comes with a **1-year warranty** from the date of purchase. For technical support, troubleshooting, or warranty claims, please contact CUSP Manufacturer Direct through your Amazon purchase history or visit the CUSP Store on Amazon.

For additional resources and product information, please visit the official CUSP Store: [CUSP Manufacturer Direct Store](#).