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## cogamichi S100

# cogamichi 10 Inch Single Din Android Car Stereo Head Unit S100 User Manual

Model: S100

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your cogamichi 10 Inch Single Din Android Car Stereo Head Unit, Model S100. Please read this manual thoroughly before using the product to ensure proper function and safety.

## 2. SAFETY INFORMATION

- Always ensure the vehicle is parked safely before operating the device's advanced features.
- Do not attempt to disassemble or modify the unit. This may cause damage and void the warranty.
- Disconnect the vehicle's battery negative terminal before any installation or wiring to prevent electrical shorts.
- Ensure all wiring is correctly connected according to the provided diagrams to avoid malfunction or damage.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.

## 3. PRODUCT OVERVIEW

The cogamichi S100 is a 10-inch Single Din Android Car Stereo Head Unit designed to enhance your in-car entertainment and connectivity. Key features include:

- 10-inch QLED Touchscreen with 1280x720P resolution (supports up to 1920x1080P).
- Android 12 Operating System with 2GB RAM and 32GB internal storage.
- Wireless and Wired Apple CarPlay & Android Auto compatibility.
- Built-in GPS Navigation.
- AM/FM Radio tuner.
- Bluetooth 5.3 for hands-free calling and music streaming.
- Steering Wheel Control (SWC) support.
- Built-in Digital Signal Processing (DSP) with 2.1 channels and 15-band equalizer.
- Detachable and adjustable floating screen design.

- Backlit physical knob and buttons for easy operation.



Image: Front view of the cogamichi S100 10 Inch Single Din Android Car Stereo Head Unit, showing the large touchscreen display with app icons for CarPlay, Android Auto, Google Maps, and YouTube, along with physical control buttons and a volume knob below the screen. The bottom part of the image shows diagrams of the adjustable screen and an external microphone.

## 4. SETUP AND INSTALLATION

### 4.1 Package Contents

Before installation, verify that all components are present in the package:

## Product Size & Packing List

Please Note: Some cars may require the purchase of additional accessories (wiring harness, dash kit, antenna adapter, Canbus decoder) from Metra, PAC, or Scosche for perfect fitment.



Image: Diagram showing the dimensions of the 10-inch screen and the main unit, along with a list of included accessories: Power Cable, Audio Video Adapter Cable, Backup Camera Video Input Cable, Microphone, GPS Antenna, 4Pin USB Adapter Cable, 6Pin USB Adapter Cable, and Installation Brackets.

### 4.2 Pre-Installation Notes

- This unit is designed to fit standard single DIN slots.
- For some vehicles, additional accessories (wiring harness, dash kit, antenna adapter, Canbus decoder) from third-party manufacturers like Metra, PAC, or Scosche may be required for proper fitment.
- The car audio receiver requires ACC power. If your vehicle does not have ACC, you may need to purchase a Canbus decoder or power it through a fuse.
- Before connecting any wiring, disconnect the negative terminal of the vehicle's battery. Reconnect it only after installation is complete.
- Check compatibility with your vehicle before purchasing, as the floating screen design may block air vents, emergency switch buttons, or other controls in some vehicle models.

# Upgraded wireless 10 Inch Single Din Car Stereo

For some vehicles, it may block air vents, emergency switch buttons, or other controls. Please check compatibility with your vehicle before purchasing.



Image: A comparison showing a car dashboard with a standard single DIN radio ("Before") and the same dashboard with the cogamichi 10-inch single DIN car stereo installed ("After"), illustrating the upgrade in display size and functionality.

## 4.3 Wiring Diagram (General)

Refer to the detailed wiring diagram included with your product for specific connections. General connections include:

- **Power Cable:** Connect to vehicle's power, ground, and ACC wires.
- **Speaker Wires:** Connect to vehicle's speaker outputs (Front Left, Front Right, Rear Left, Rear Right).
- **GPS Antenna:** Connect to the dedicated GPS input on the unit and mount in a location with clear sky view.
- **Microphone:** Connect the external microphone for improved call quality.
- **USB Cables:** Connect the provided USB adapter cables for external storage or wired CarPlay/Android Auto.
- **Backup Camera Input:** Connect the backup camera video input cable if installing a rear-view camera.
- **SWC (Steering Wheel Control) Wires:** Connect to your vehicle's steering wheel control wires.

## 4.4 Screen Adjustment

The floating screen design allows for adjustment to optimize viewing angles:

- **Vertical Movement:** Adjust the screen up or down by approximately 1.6 inches.
- **Forward/Backward Tilt:** Tilt the screen forward or backward by up to 30 degrees.
- **Left/Right Tilt:** Tilt the screen left or right by up to 30 degrees.
- **Detaching the Screen:** The screen panel can be detached from the main unit. Refer to the diagram for instructions.



Image: Diagrams illustrating how to detach the screen panel and adjust its vertical position, forward/backward tilt, and left/right tilt, each with a range of approximately 30 degrees.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off and Basic Controls

- **Power On:** The unit will power on automatically when the vehicle's ignition is turned to ACC or ON.
- **Power Off:** The unit will power off automatically when the vehicle's ignition is turned off.
- **Volume Control:** Use the physical knob on the front panel to adjust the volume.
- **Backlit Buttons:** The physical buttons are backlit for easy operation in low-light conditions.

### 5.2 Apple CarPlay & Android Auto

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

- **Wireless Connection:**
  - For Wireless CarPlay, ensure Siri is enabled on your iPhone and the CarPlay system is turned on.
  - For Wireless Android Auto, your phone must support 5GHz Wi-Fi and run Android 11 or above. Ensure the Android Auto app is updated.
  - Connect your phone via Bluetooth first, then follow the on-screen prompts to initiate the wireless CarPlay/Android Auto connection.
- **Wired Connection:** Connect your smartphone to the unit using a USB cable. The system will automatically detect and launch CarPlay or Android Auto.
- **Functionality:** Access navigation, music, messages, and make calls using voice commands (Siri or Google Assistant) or the touchscreen.
- **Compatibility Note:** Some Samsung S22, S23, S21 models may not be compatible with wireless CarPlay and wireless Android Auto.

# Bluetooth Function

You can easily access hands-free calling, phonebook download and music playback, realize you safer driving than before.

## How to connect Apple CarPlay or Android Auto?

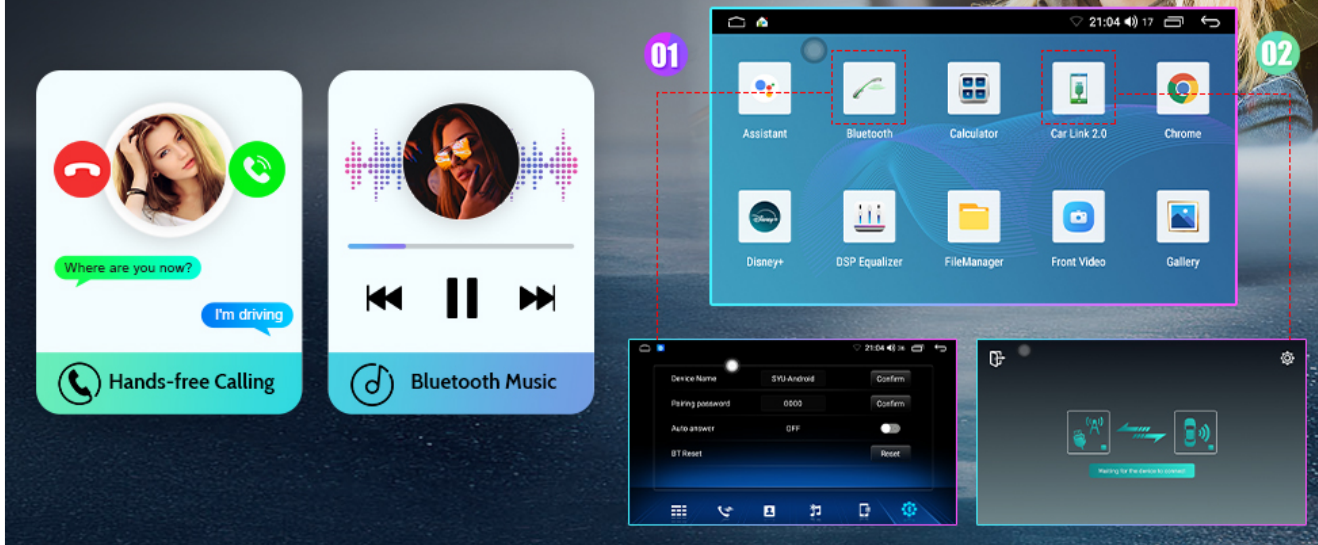


Image: A graphic illustrating wireless and wired connectivity options for Apple CarPlay and Android Auto, showing a smartphone wirelessly connected to the head unit and icons for various apps like TikTok, Google Maps, and YouTube. It also details the requirements for wireless functionality.

## 5.3 GPS Navigation

The unit features built-in GPS navigation. You can use online maps or download offline map packages.

- **Online Navigation:** Turn on your mobile hotspot to use built-in online map packages for real-time traffic updates.
- **Offline Navigation:** Download maps for offline use to ensure navigation functionality in areas with poor cell reception.
- **Voice Control:** Use voice commands (e.g., "Hi Siri, Navigate to Company") for hands-free destination input.



Image: A car dashboard view showing the head unit displaying a GPS navigation map with turn-by-turn directions, estimated arrival time, and distance. A voice command prompt "Hi Siri, Navigate to Company" is also visible.

## 5.4 AM/FM Radio

Tune into your favorite radio stations using the built-in AM/FM tuner.

- **Frequency Range:** FM 87.5-108.0 MHz.
- **Presets:** Save your preferred stations for quick access.
- **Online Music via FM:** Online music can be transmitted to the car stereo through FM to enjoy the original car stereo.

# FM/AM Radio

Online music can be transmitted to the car stereo through FM to enjoy the original car stereo. FM 87.5-108.0 MHz.



# Offline Media

Enjoy High-Fidelity Video Playback, Expanding Your Video Options.



Image: The top part shows the FM radio interface with frequency display (87.50 MHz) and station presets. The bottom part illustrates offline media playback, with a video playing on the screen and musical notes around it, indicating high-fidelity video playback.

## 5.5 Bluetooth Functionality

Connect your smartphone via Bluetooth 5.3 for hands-free calling and audio streaming.

- **Hands-Free Calling:** Make and receive calls directly from the head unit. The external microphone ensures clear audio.
- **Phonebook Download:** Sync your phone's contacts for easy access.
- **Music Playback:** Stream audio from your phone to the car stereo.

# Steering Wheel Control

Connect the SWC wire and learn the buttons in the car setting.



## Bluetooth Function

You can easily access hands-free calling, phonebook download and music playback, realize you safer driving than before.



Image: The top section shows a hand operating steering wheel controls, with an arrow pointing to the corresponding function on the head unit's display (e.g., "Prev Button"). The bottom section displays the Bluetooth calling interface and a graphic indicating music playback via Bluetooth, emphasizing safer driving.

### 5.6 Steering Wheel Control (SWC)

If your vehicle supports SWC, connect the SWC wire and configure the buttons in the unit's settings to control functions like volume, track skipping, and call answering directly from your steering wheel.

### 5.7 Audio Settings (DSP & Equalizer)

Customize your audio experience with the built-in Digital Signal Processing (DSP) and 15-band equalizer.

- **DSP:** Provides 2.1 channel output (Max output 4\*45W, RMS 4\*25W Built-in AMP) for an immersive sound experience.
- **15-Band Equalizer:** Adjust frequency bands to tailor the sound to your preference. Includes 5 EQ presets (Jazz, Classic, Pop, Rock, Soft) and supports loudness and balance control.

# Unique 15-EQ DSP

2.1 Channels, Max output 4\*45W,  
RMS 4\*25W Built-in AMP



Image: The head unit's screen displaying a graphical 15-band equalizer interface, allowing users to adjust audio frequencies. Musical notes are depicted around the screen, highlighting the enhanced audio experience provided by the DSP and equalizer.

## 5.8 App Installation (Google Play)

As an Android 12 system, you can download and install various applications from Google Play.

- **Access Google Play:** Browse and install apps for music, video streaming (e.g., YouTube, Netflix), navigation, and more.
- **Updates:** Apps can be updated automatically from Google Play.
- **Note:** Some software may not be fully adapted to this system. Functionality depends on the actual operation.

# Enjoy The Convenience of Downloading and Using Apps

Please Note: Some Software May not be Able to Adapted to This System,  
Depending on The Actual Operation.



Image: The head unit's screen displaying various app icons, including YouTube, Netflix, Spotify, and Google Play, illustrating the ability to download and use a wide range of applications.

## 6. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system software updates to ensure optimal performance and access to new features.
- **General Care:** Keep the unit free from dust and moisture.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, no ACC power, blown fuse.	Check power, ground, and ACC connections. Verify vehicle fuses. Ensure ACC power is supplied.
No sound from speakers.	Speaker wires incorrectly connected, volume too low, mute activated.	Check speaker wiring. Increase volume. Deactivate mute function. Check audio settings.
Wireless CarPlay/Android Auto not connecting.	Phone compatibility issues, Wi-Fi/Bluetooth off, app not updated, Siri/Google Assistant disabled.	Ensure phone meets requirements (5GHz Wi-Fi, Android 11+ for AA). Check phone's Wi-Fi and Bluetooth. Update Android Auto app. Enable Siri. Try wired connection.
GPS signal weak or inaccurate.	GPS antenna improperly installed or obstructed, no internet for online maps.	Ensure GPS antenna has a clear view of the sky. For online maps, ensure mobile hotspot is active. Download offline maps.

Problem	Possible Cause	Solution
Screen is unresponsive or slow.	System overload, temporary software glitch.	Restart the unit (if possible, or turn off/on vehicle ignition). Close unnecessary background applications. Perform a factory reset if issues persist (note: this will erase data).
Date and time are incorrect.	Automatic time synchronization off, no GPS signal, battery disconnect.	Ensure automatic time synchronization is enabled in settings. Verify GPS signal. Manually set time if necessary.

## 8. SPECIFICATIONS

- **Model Number:** S100
- **Screen Size:** 10 Inch QLED Touchscreen
- **Resolution:** 1280 x 720P (supports up to 1920 x 1080P)
- **Operating System:** Android 12
- **RAM:** 2GB
- **Internal Storage:** 32GB
- **Connectivity:** Bluetooth 5.3, Wi-Fi
- **Audio Output:** 2.1 Channel (Max output 4\*45W, RMS 4\*25W Built-in AMP)
- **Equalizer:** 15-Band
- **Radio Tuner:** AM/FM (FM 87.5-108.0 MHz)
- **Special Features:** Wireless/Wired Apple CarPlay & Android Auto, GPS Navigation, SWC, MIC, Rear-View Camera Input, Detachable Floating Screen with 178° Full-Viewing Angle and 30° Adjust View Angle.
- **Item Weight:** 5.1 pounds
- **Package Dimensions:** 11.85 x 10.47 x 7.56 inches

## 9. WARRANTY AND SUPPORT

- **Warranty:** The product includes a 12-month replacement warranty.
- **Customer Service:** cogamichi provides quick service within 24 hours, 7 days a week.
- For support, please refer to the contact information provided with your purchase or visit the official cogamichi website.