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› NALsa Android 13 Car Stereo User Manual for Nissan Serena C27 (2016-2021) - M150CP

NALsa M150CP

NALsa Android 13 Car Stereo User Manual for Nissan Serena C27 (2016-2021) - M150CP

Model: M150CP | Brand: NALsa

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NALsa Android 13 Car Stereo, specifically designed for Nissan Serena 5 V C27 models manufactured between 2016 and 2021. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience.



Figure 1.1: NALsa Android 13 Car Stereo main unit and complimentary rearview camera.

The image displays the NALsa Android 13 Car Stereo head unit, featuring a large touchscreen display, along with a compact rearview camera. The head unit is designed to integrate seamlessly into the dashboard of compatible Nissan Serena vehicles.

2. PRODUCT COMPATIBILITY AND VERIFICATION

This car stereo is specifically compatible with **Nissan Serena 5 V C27 models from 2016-2021**. Before installation, it is crucial to verify compatibility with your vehicle's original center console. If you are uncertain, please consult with a professional or contact NALsa customer support with a picture of your vehicle's original center console.



Figure 2.1: NALsa Car Stereo integrated into a Nissan Serena dashboard.

This image shows the NALsa Android 13 Car Stereo seamlessly installed in the dashboard of a Nissan Serena, demonstrating its fit and appearance within the vehicle's interior. The display shows a navigation interface.

3. SETUP AND INSTALLATION

Installation of the NALsa Android Car Stereo requires specialized skills and knowledge of automotive electronics. It is highly

recommended to seek professional installation from a qualified auto repair store to ensure correct wiring and functionality. Incorrect installation can lead to damage to the unit or the vehicle's electrical system.

3.1. Package Contents

Upon unpacking, please verify that all components are present:

- Android Host (Screen)
- All necessary accessories and cable adapters
- AHD720P Reversing Camera (complimentary gift)
- RCA Cable
- USB Cable (x2 for M150CP)
- Microphone
- GPS Antenna
- Power Cable



Figure 3.1: Rear view of the NALsa Car Stereo (M100CP/M150CP) showing wiring connections and a diagram of included cables.

This image illustrates the rear panel of the M100CP/M150CP model, highlighting various input/output ports for power, USB, GPS, microphone, and RCA connections. Below this, a diagram details the specific cables and accessories included in the package for the M100CP/M150CP models, such as RCA cables, reversing camera cable, USB cables, microphone, and GPS antenna.

3.2. Wiring Connections

Refer to the provided wiring diagrams and consult with a professional installer. Key connections include:

- **Power Cable:** Connects to the vehicle's power supply.
- **RCA Cables:** For audio/video input/output.
- **GPS Antenna:** For navigation functionality.
- **USB Cables:** For external storage, CarPlay/Android Auto, and other USB devices.
- **Microphone:** For hands-free calling and voice commands.
- **Reversing Camera:** Connects the complimentary AHD720P camera for rear view assistance.
- **Steering Wheel Control (SWC):** Connects to the vehicle's SWC wires for integrated control.

4. OPERATING INSTRUCTIONS

4.1. Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. Press and hold the power button (if available) for manual control.
- **Touch Screen:** The unit features a high-resolution capacitive multi-touch 2.5D IPS screen. Navigate by tapping, swiping, and pinching.
- **Volume Control:** Adjust volume using the on-screen controls or vehicle's steering wheel controls.

4.2. Steering Wheel Control (SWC)

The unit supports steering wheel control (SWC) for convenient operation without diverting attention from the road. If your vehicle has original steering wheel buttons, the unit can be configured to work with them. If not, external BT steering wheel buttons may be purchased separately.

Support Cooling fan

The cooling fan can deal with and solve the abnormal operation caused by high temperature in summer and long-term use of the machine, such as restart, abnormal touch, abnormal function, etc....

There is no cooling fan

cpu_thermal_zone 91.0°C
gpu_thermal_zone 89.0°C

High temperature

With cooling fan

(M100CP M150CP)
(M200S - M800S)

cpu_thermal_zone 57.0°C
gpu_thermal_zone 57.0°C

Normal temperature

1280*720 2.5D+ IPS Screen

No Light reflecting under 360° direction sunlight, super fast response, no watermark when touch, larger view angle. QLED screen gets richer color gamut and more realistic.

Resolution 1280*720P

Larger viewing angle

Fuller color

Quantum dots
Crystal layer

IPS Screen

IPS screen changes the arrangement of TFT liquid crystal molecules, so that it has a greater visual Angle, better color reduction, more realistic picture.

TFT Screen

IPS Screen

VS

Angle
TFT
IPS

Sharpness
TFT
IPS

Saturation
TFT
IPS

Support DSP Processor

(M200S M300S M400S M500S M600S M700S M800S)

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!

7862S DSP
M300S M500S M600S M700S M800S

9863 DSP
M200S M400S

online music and online radio, connected to the original car stereo via fm transmission, without changing the original car audio

Figure 4.1: Steering Wheel Control, GPS Navigation, and 5GHz WiFi features.

This image illustrates the integration of steering wheel controls for safe operation, the GPS navigation system supporting GPS, BDS, and GLONASS, and the unit's capability to support 5GHz WiFi for faster and more stable internet connectivity. It also shows the SIM card slot for 4G connectivity (for M200S-M800S models).

4.3. Navigation (GPS)

The unit includes a built-in GPS module supporting both online and offline maps. Access the navigation application from the main menu. Ensure the GPS antenna is properly installed for optimal signal reception.

Car multimedia player parameter

	 M100CP M150CP	 M200S M400S	 M300S	 M500S	 M600S	 M800S
Model						
Internet						
OS	Android 13	9863 Android 13	7862S Android 13	7862S Android 13	7862S Android 13	7862S Android 13
Core	4-Core	8Core * 1.6Ghz 64 Bit Unisoc UIS8581A (SC9863A) 8*Cortex A55 28NM	8Core * 2.0Ghz 64 Bit Unisoc UIS7862S 2*Cortex A75+6*Cortex A55 12NM			
RAM/ROM	M100CP: 1+32GB M150CP: 2+32GB	M200S: 2+32GB M400S: 4+64GB	4G+32G	4G+64G	6G+128G	8G+256G
Car-Play Auto 	wireless 	wireless 	wireless 	wireless 	wireless 	wireless 
BT module	5.0	5.0	5.0	5.0	5.0	5.0
Resolution	1024*600	1280*720	1280*720	1280*720	1280*720	1280*720
Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen
Cooling fan	 YES	 YES	 YES	 YES	 YES	 YES
Full AV Output	Optional	Optional	Optional	Optional	Optional	Optional
DSP	Optional					
RDS						

Figure 4.2: GPS Navigation display on the NALsa Car Stereo.

The image shows the NALsa Car Stereo screen displaying a detailed GPS navigation map, indicating current location, speed, and estimated time of arrival, demonstrating the unit's navigational capabilities.

4.4. Connectivity

- **Bluetooth 5.0:** Pair your smartphone for hands-free calling and audio streaming. Access Bluetooth settings from the main menu.
- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your smartphone) for internet access, online maps, and app downloads. Supports 5GHz Wi-Fi for faster connection.
- **USB:** Connect USB drives for multimedia playback or to use wired CarPlay/Android Auto.

4.5. CarPlay and Android Auto

The M150CP model supports wired CarPlay and Android Auto. Connect your compatible smartphone via a USB cable to access supported apps, navigation, and communication features directly on the car stereo screen.

4.6. Multimedia Playback

The unit supports various digital media formats including MP3, MP4, MP5, WMA, and JPEG. Play music and videos from USB drives or streaming services when connected to the internet.

4.7. Rearview Camera

The complimentary AHD720P rearview camera automatically displays the rear view when the vehicle is in reverse gear, assisting with parking and maneuvering.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

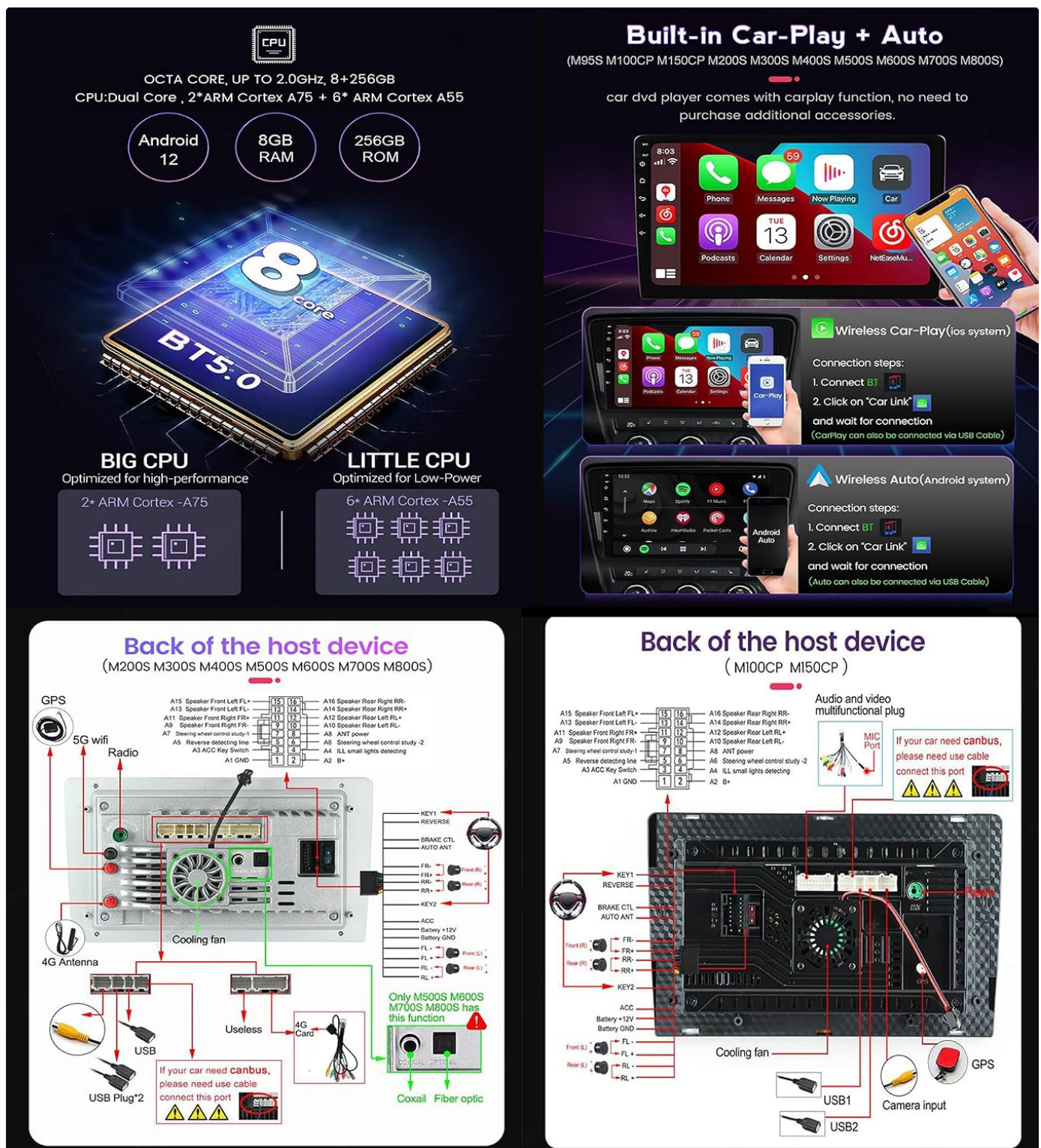


Figure 5.1: Cooling fan, IPS Screen, and DSP Processor features.

This image highlights the importance of the cooling fan (present in M200S-M800S models) for thermal management, the superior viewing angles and color reproduction of the IPS screen, and the enhanced audio experience provided by the Digital Sound Processor (DSP) for select models.

6. TROUBLESHOOTING

If you encounter issues with your NALSA Car Stereo, refer to the following common troubleshooting steps:

- **No Power:**
 - Check all power connections and fuses.
 - Ensure the vehicle's ignition is on.

- **No Sound:**
 - Verify volume settings.
 - Check speaker connections.
 - Ensure the correct audio source is selected.
- **GPS Signal Loss:**
 - Ensure the GPS antenna is securely connected and has a clear view of the sky.
 - Check GPS settings within the unit.
- **Touchscreen Unresponsive:**
 - Restart the unit (if possible).
 - Ensure the screen is clean and free of debris.
- **CarPlay/Android Auto Not Connecting:**
 - Ensure your smartphone is compatible and running the latest OS.
 - Use a high-quality USB cable.
 - Check settings on both the car stereo and your phone.

For persistent issues, please contact NALsa customer support for technical assistance.

7. SPECIFICATIONS

Key specifications for the NALsa Android 13 Car Stereo (M150CP model):

Feature	Specification (M150CP)
Operating System	Android 13.0 API29
CPU	4-core
RAM/ROM	2GB RAM / 32GB ROM
Resolution	1024*600
Screen Type	2.5D IPS High-resolution capacitive multi-touch
Internet Connection	Wi-Fi (5GHz supported)
Bluetooth	Bluetooth 5.0
CarPlay / Android Auto	Wired support
GPS Navigation	Built-in module, supports online/offline maps
Rearview Camera Input	Supports AHD720P
Steering Wheel Control	Supported
Voltage	12 Volts
Item Weight	5.5 pounds



Figure 7.1: Car Multimedia Player Parameter Comparison.

This table provides a detailed comparison of specifications across various NALsa car stereo models (M100CP, M150CP, M200S, M300S, M400S, M500S, M600S, M800S), including internet connectivity, OS, core count, RAM/ROM, CarPlay/Android Auto support, Bluetooth version, resolution, screen type, cooling fan presence, AV output, DSP, and RDS. The M150CP model is highlighted in the table's first column.

8. WARRANTY AND SUPPORT

NALsa provides professional pre- and post-sales technical support. If you have any questions regarding installation, operation, or troubleshooting, please contact NALsa customer service via Amazon mail. Our technical team is available to provide ongoing assistance.

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact NALsa customer support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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