

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

- › [NALsa](#) /
- › [NALsa Android 12 Car Stereo User Manual for Renault Megane 2](#)

NALsa M400S

NALsa Android 12 Car Stereo User Manual

Model: M400S (8core 4+64G) for Renault Megane 2 (2002-2009)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NALsa Android 12 Car Stereo. This multimedia player is specifically designed for Renault Megane 2 models from 2002 to 2009, offering an upgraded in-car entertainment and navigation experience with its Android system, GPS, Car-Play, and Android Auto functionalities.



Figure 1: NALsa Android 12 Car Stereo with its intuitive interface displaying navigation and application icons.

2. PACKAGE CONTENTS

Upon unboxing, please verify that all the following components are included in your package. If any items are missing or damaged, please contact customer support immediately.

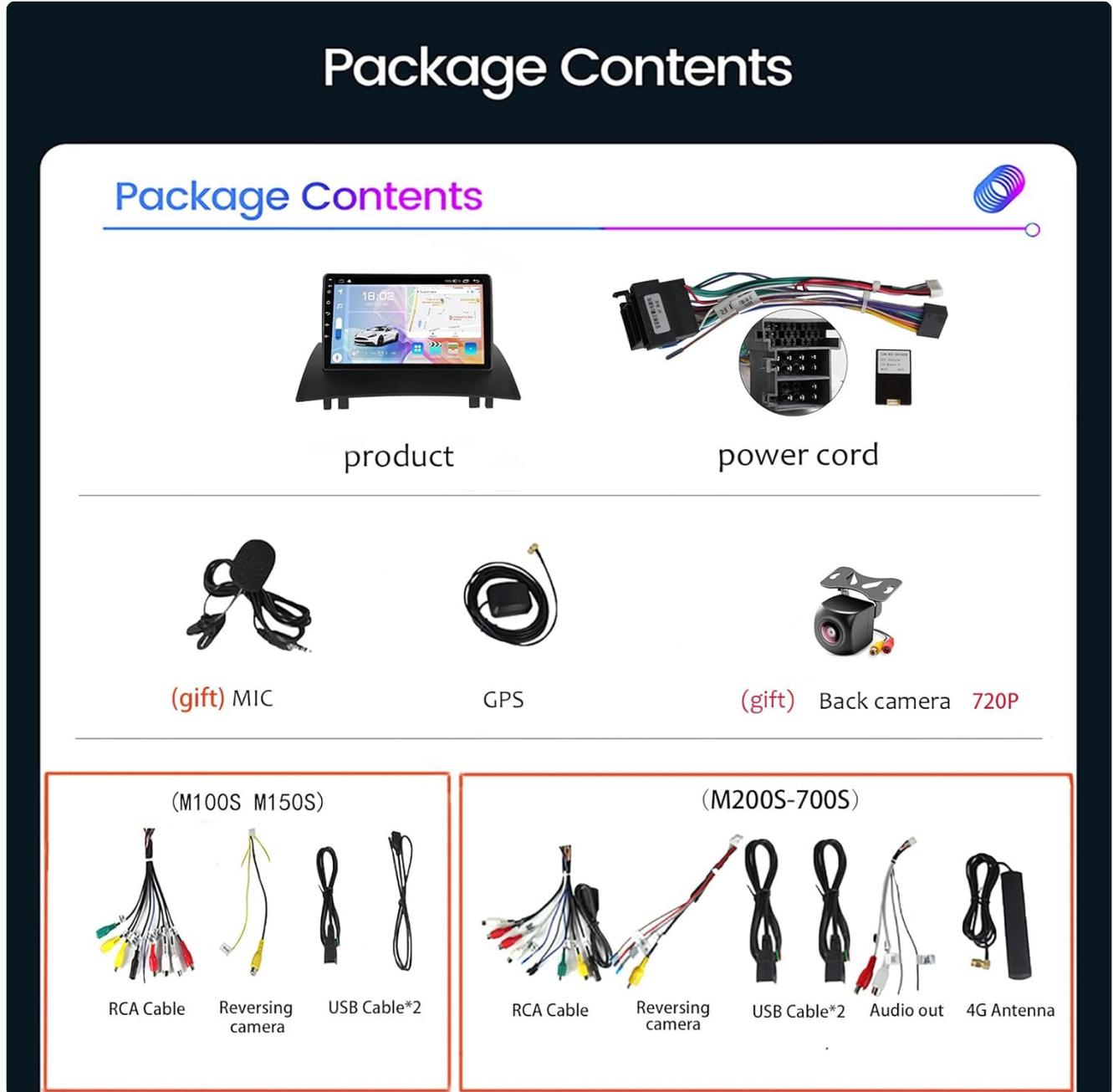


Figure 2: Visual representation of the package contents, including the main unit, wiring harnesses, and accessories.

- Android Host (Screen)
- All necessary accessories and cable adapters
- Power Cord
- GPS Antenna
- Microphone (Gift)
- AHD 720P Reversing Camera (Gift)
- RCA Cables

- USB Cables (x2)
- 4G Antenna (for M200S-700S models)

3. PRODUCT SPECIFICATIONS

The NALsa Android Car Stereo comes in various configurations. The M400S model features an 8-core processor with 4GB RAM and 64GB ROM, running on Android 12.0 (API29).

Car multimedia player parameter								
	M100S	M150S	M200S	M300S	M400S	M500S	M600S	M700S
Model								
Internet								
OS	Android 11	Android 11	9863 Android 12	7862S Android 12	9863 Android 12	7862S Android 12	7862S Android 12	7862S Android 12
	API 29	API 29	API 29	API 29	API 29	API 29	API 29	API 29
Core	4-Core	4-Core	8-Core	8-Core	8-Core	8-Core	8-Core	8-Core
RAM/ROM	1G+32G	2G+32G	2G+32G	4G+32G	4G+64G	4G+64G	6G+128G	8G+128G
Carplay Auto	Optional	Optional	wireless  +Wired 	wireless  +Wired 	wireless  +Wired 	wireless  +Wired 	wireless  +Wired 	wireless  +Wired 
BT module	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0
Resolution	1024*600	1024*600	1280*720	1280*720	1280*720	1280*720	1280*720	1280*720
Screen	HD Screen	HD Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen	IPS Screen
Cooling fan	X	X	 YES	 YES	 YES	 YES	 YES	 YES
Full AV Output	X	X	Optional	Optional	Optional	Optional	Optional	Optional
DSP	X	X						
RDS	X	X						

Figure 3: Comparative table of specifications across different NALsa car stereo models, highlighting variations in RAM, ROM, and features.

Feature	Specification (M400S)
Operating System	Android 12.0 (API29)
Configuration	8-core CPU, 4GB RAM, 64GB ROM
Resolution	1280*720 IPS Display

Feature	Specification (M400S)
Screen	9 or 10 inch 2.5D IPS High-resolution capacitive multi-touch
Internet Connection	4G LTE / 5G WiFi / USB / Hotspot
Bluetooth	Version 5.0
CarPlay / Android Auto	Built-in Wireless & Wired Support
DSP	Built-in, supports surround sound, bass, treble filtering
Amplifier IC	Toshiba 7851/7850/7838
Cooling System	Aluminum heat sink, powerful cooling fan
GPS Navigation	Supports online and offline maps
Video Playback	1920*1080 video recording and playback / 4K video playback
Steering Wheel Control	Support
Rearview Mirror Input	Support
Front Camera Input	Support
Split Screen	Picture-in-picture support
Weight	Approximately 5.5 pounds
Dimensions	15.75 x 11.81 x 3.94 inches (Package)

4. INSTALLATION GUIDE

Installing the NALsa Android Car Stereo requires specific skills and knowledge of car electronics. It is highly recommended to seek professional assistance for installation to ensure proper functionality and avoid damage to your vehicle or the unit.



Figure 4: The NALsa car stereo seamlessly integrated into the dashboard of a Renault Megane 2.

4.1. Pre-Installation Check

- **Vehicle Compatibility:** This unit is designed for Renault Megane 2 models from 2002 to 2009. Before purchasing or installing, compare the shape and style of your original car's center console with the product images to confirm compatibility. If unsure, send a photo of your original center console to customer service for technical appraisal.
- **Power Disconnection:** Always disconnect the vehicle's battery before beginning any electrical work to

prevent short circuits or damage.

- **Tools Required:** Ensure you have the necessary tools for removing the original stereo and installing the new unit (e.g., trim removal tools, screwdrivers, wire strippers, electrical tape).

4.2. General Installation Steps (Professional Recommended)

1. **Remove Original Unit:** Carefully remove the existing car stereo and trim panels from your dashboard. Refer to your vehicle's service manual for specific instructions.
2. **Connect Wiring Harness:** Connect the provided wiring harness to the new NALsa unit and then to your vehicle's factory wiring harness. Ensure all connections are secure.
3. **Connect Antennas:** Connect the GPS antenna and 4G antenna (if applicable) to the corresponding ports on the back of the unit. Position the GPS antenna in a location with a clear view of the sky (e.g., on the dashboard).
4. **Connect Peripherals:** Connect the included reversing camera, USB cables, and any other optional accessories (e.g., DVR, TPMS, OBD2, DAB+) as per their respective instructions.
5. **Test Functionality:** Before fully reassembling the dashboard, temporarily reconnect the car battery and power on the unit. Test basic functions like power, audio, touch screen response, GPS signal, and camera input.
6. **Secure Unit:** Once confirmed working, carefully mount the NALsa unit into the dashboard opening and secure it with screws or clips.
7. **Reassemble Dashboard:** Reinstall all removed trim panels and components.

Note: For detailed wiring diagrams and specific installation challenges, please consult a professional auto repair store or contact NALsa customer service for technical support.

5. KEY FEATURES AND OPERATION

Your NALsa Android Car Stereo is equipped with a wide range of features designed to enhance your driving experience. This section outlines the primary functionalities and how to operate them.

5.1. Android Operating System

The unit runs on Android 12.0, providing a familiar and customizable interface. You can download and install various applications from the Google Play Store, just like on a smartphone or tablet.

5.2. GPS Navigation

The integrated GPS module supports both online and offline navigation maps. You can use pre-installed maps or download your preferred navigation apps (e.g., Google Maps, Waze) via Wi-Fi or 4G LTE connection.

5.3. Wireless CarPlay & Android Auto

The 8-core models (M200S-M700S, including M400S) feature built-in wireless and wired support for Apple CarPlay and Android Auto. Connect your smartphone to access navigation, music, messages, and calls safely through the car stereo's interface.

5.4. Bluetooth Functionality

Support BT Function 📶

Phonebook with name search function and caller name display directly. Incoming calls, dialed calls, missed calls with caller ID. Support BT music streaming.

BT music

sync contacts

Synchronous call record

It is not safe to look at the phone and answer the phone while driving

Steering Wheel Control 🕒

Take control of the music or use hands-free calling function for safety to and concentrate on the road ahead. This head units steering wheel control (SWC) works with a digital SWC.

Support 4G LTE

Connect to 4G you can watch live, listen to music online, play games, watch movies, and make your car seamlessly connected to the Internet at any time.

Online music

Online video

4G SIM card slot

Support 5GHz WiFi (802.11 b/g/n)

5GHz

Only M200S M300S M400S M500S M600S M700S supports

- ①. Fast transmission
- ②. Low latency
- ③. Wide coverage
- ④. More stable

Figure 5: Illustrations of key connectivity features including Bluetooth for calls and music, steering wheel control integration, 4G LTE, and 5GHz WiFi.

Connect your smartphone via Bluetooth 5.0 for hands-free calling and audio streaming. The unit supports phonebook synchronization, call history, and music playback control.

- **Pairing:** Go to Bluetooth settings on the stereo, enable Bluetooth on your phone, search for the stereo's device name, and pair.
- **Hands-Free Calling:** Use the built-in microphone for clear conversations without holding your phone.
- **Audio Streaming:** Play music from your phone directly through the car's speakers.

5.5. Digital Sound Processor (DSP)

CPU

OCTA CORE, UP TO 1.8GHZ, 8+128GB
CPU: Dual Core, 2* ARM Cortex A75 + 6* ARM Cortex A55

Android
11

8GB
RAM

128GB
ROM



BIG CPU
Optimized for high-performance

2* ARM Cortex -A75



LITTLE CPU
Optimized for Low-Power

6* ARM Cortex -A55



Support DSP Processor

(M200S M300S M400S M500S M600S M700S)

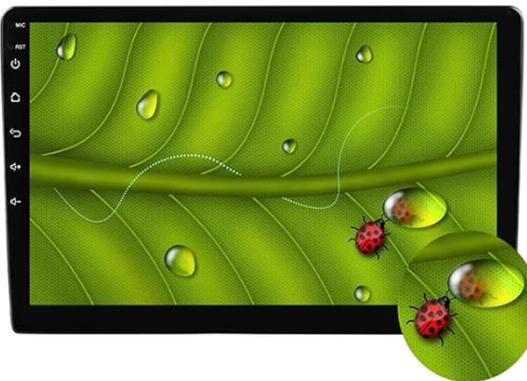
Increase DSP digital audio processing module, multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!




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

1080P Video

1080P video decoder, True Color 24 HD-Display. Support perfect APE music 3D acceleration allows fluent playback at any section of you USB/SD quality video.



Clearer details

Button light

Key support a variety of color display, you can choose your favorite color by setting



Figure 6: Explanations of the powerful CPU, DSP for enhanced audio, support for 1080P video, and customizable button lighting.

The built-in DSP allows for advanced audio customization. You can adjust surround sound, bass, treble filtering, and other equalizer settings to optimize your listening experience.

5.6. High-Resolution IPS Screen

Customize the main interface icon (M200S 300S 400S 500S 600S 700S)

Customize the icon position of the main interface, and all apps can be freely edited to the position of the shortcut menu bar to facilitate the driving experience

Support Cooling fan (M200S M300S M400S M500S M600S M700S)

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

cpu_thermal_zone	57.0°C
gpu_thermal_zone	57.0°C

Normal temperature

Surround space
Hearing from the center being surrounded from all direction

Bass Enhancement
Bass adjustment, dynamic bass soothes ears

Field
The sound field can add reverberation to the sound and stabilize the sound pressure.

Bass Filter
Reduce noise and maximize sound conversion

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

Angle

TFT: [Bar chart showing narrow angle]

IPS: [Bar chart showing wide angle]

Sharpness

TFT: [Bar chart showing lower sharpness]

IPS: [Bar chart showing higher sharpness]

Saturation

TFT: [Bar chart showing lower saturation]

IPS: [Bar chart showing higher saturation]

Figure 7: Visuals demonstrating the customizable main interface, the effectiveness of the cooling fan in maintaining normal temperature, the superior viewing angles and color reproduction of the IPS screen compared to TFT, and detailed sound adjustment options.

The 2.5D IPS multi-touch screen offers a resolution of 1280*720, providing vivid colors, wide viewing angles, and a responsive touch experience. It supports 1920*1080 video playback and even 4K video playback.

5.7. Connectivity (4G LTE & 5GHz WiFi)

Stay connected on the go with built-in 4G LTE and 5GHz WiFi capabilities. Insert a SIM card for mobile data access or connect to a WiFi hotspot for internet browsing, app downloads, and online media streaming.

5.8. Steering Wheel Control (SWC)

The unit supports your vehicle's original steering wheel controls, allowing you to manage audio playback, volume, and calls without taking your hands off the wheel.

5.9. Rearview Camera Input

The included AHD 720P reversing camera automatically displays the rear view on the screen when the vehicle is in reverse gear, aiding in safe parking and maneuvering.

6. MAINTENANCE

To ensure the longevity and optimal performance of your NALsa Android Car Stereo, follow these simple maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for system updates through the unit's settings. Updates can improve performance, add new features, and fix bugs.
- **Temperature Control:** The unit features an aluminum heat sink and a powerful cooling fan to manage temperature. Ensure the fan vents are not obstructed to allow for proper airflow.
- **Avoid Extreme Conditions:** Do not expose the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

If you encounter any issues with your NALsa Android Car Stereo, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Unit does not power on	Check power connections and fuses. Ensure the car battery is charged. If professionally installed, contact the installer.
No sound	Check speaker wiring connections. Ensure volume is not muted or set too low. Verify audio output settings.
GPS signal lost or inaccurate	Ensure GPS antenna is properly connected and has a clear view of the sky. Update GPS maps if necessary.
Bluetooth connection issues	Ensure Bluetooth is enabled on both the unit and your phone. Delete previous pairings and re-pair. Restart both devices.
Touch screen unresponsive	Perform a soft reset (refer to the unit's settings for reset options). Ensure the screen is clean and free of debris.
CarPlay/Android Auto not connecting	Ensure your phone's software is up to date. Try a different USB cable if using wired connection. Check app permissions on your phone.
Unit overheating	Ensure cooling fan vents are not blocked. Reduce prolonged heavy usage if possible. If persistent, contact support.

If the problem persists after attempting these solutions, please contact NALsa customer support for further assistance.

8. SUPPORT & WARRANTY

NALsa is committed to providing excellent pre and post-sales service. If you have any questions, require technical assistance, or need support with installation, please do not hesitate to contact us.

- **Technical Support:** Our customer service technology team provides ongoing technical support. You can reach us via chat or Amazon mail.
- **Professional Installation:** While the unit is designed for specific car models, professional installation is highly recommended due to the specialized skills required. Our team can provide guidance or recommend professional auto repair stores.
- **Warranty Information:** Please refer to your purchase documentation or contact NALsa customer service for specific warranty terms and conditions.