

## M800S 8core 8+256G

# User Manual for Android13 Car Stereo System

Model: M800S 8core 8+256G

## PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your Android13 Car Stereo System, specifically designed for Opel Astra J and Buick Excelle 2 models from 2009-2017. This multimedia player enhances your driving experience with advanced navigation, entertainment, and connectivity features.

The M800S 8core 8+256G model features an Android 13.0 operating system, 8GB RAM, 256GB ROM, and a high-resolution 2.5D IPS multi-touch screen. It supports wireless CarPlay and Android Auto, GPS navigation, Bluetooth, Wi-Fi, and various multimedia formats.



**Figure 1:** Android13 Car Stereo System (M800S) and included reversing camera.

This image displays the main unit of the car stereo, showcasing its large touchscreen interface with a map and media player visible. To the top right, a compact reversing camera is shown, indicating its inclusion with the system.

## PACKAGE CONTENTS

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

- Android Host (Main Screen Unit)
- Power Cable
- RCA Cable
- Reversing Camera (AHD720P, complimentary gift)
- USB Cables (multiple, typically 2 or 3 depending on model)
- Microphone (MIC)
- GPS Antenna
- 4G Antenna (for M200S-800S models)
- Audio Out (for M300S, M500S, M600S, M800S models)
- All other necessary cable adapters

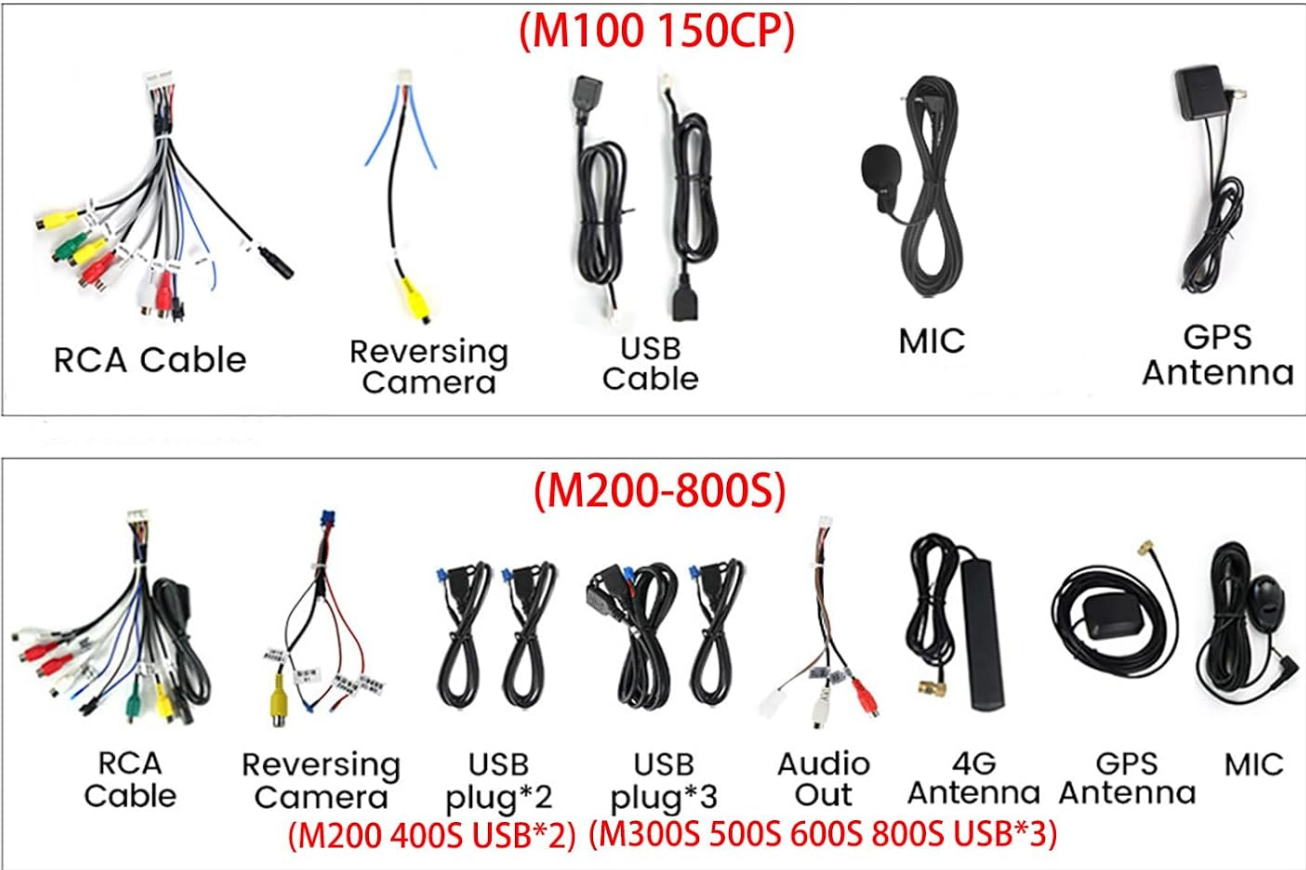
# Package Contents



Machine



Power Cable



**Figure 2:** Detailed view of package contents, including the main unit, power cables, RCA cables, USB cables, microphone, GPS antenna, and 4G antenna.

This image illustrates the various components included in the product package. It shows the main head unit, power cables, RCA cables, USB cables, a microphone, a GPS antenna, and a 4G antenna, categorized by model series (M100/150CP and M200-800S) to highlight specific inclusions.

## SETUP AND INSTALLATION

Professional installation is highly recommended due to the complexity of automotive electrical systems. If you are not confident in your ability to install the unit, please seek assistance from a qualified professional auto repair store.

### Compatibility Check

This car stereo is specifically designed for Opel Astra J and Buick Excelle 2 models manufactured between 2009 and 2017. Ensure your vehicle falls within this range for proper fitment and functionality.



**Figure 3:** Car stereo system integrated into a compatible vehicle dashboard.

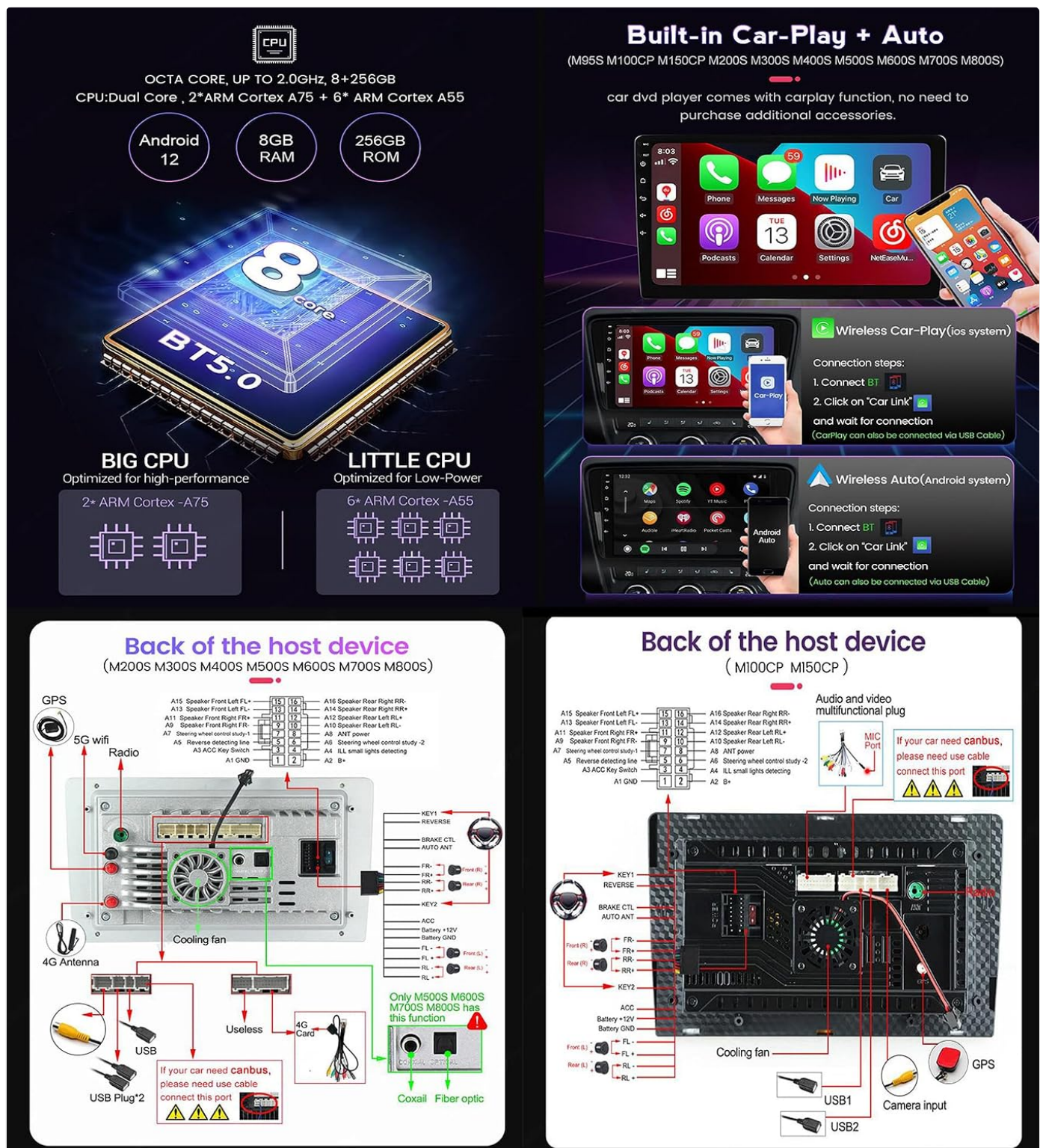
This image demonstrates the car stereo unit installed within the dashboard of a compatible vehicle, providing a visual reference for how the unit appears once integrated. A smaller inset image shows the stereo unit by itself.

## Wiring Connections

Refer to the wiring diagrams provided below for proper connection of the main unit and peripherals. Incorrect wiring can

damage the unit or vehicle electrical system.

- **Power Connection:** Connect the main power harness to the vehicle's power supply, ensuring correct polarity (ACC, B+, GND).
- **Speaker Connections:** Connect the speaker wires to the corresponding vehicle speaker outputs.
- **GPS Antenna:** Connect the GPS antenna and place it in a location with a clear view of the sky for optimal signal reception.
- **4G Antenna:** For models with 4G connectivity, connect the 4G antenna.
- **USB Ports:** Connect USB cables for external devices or media.
- **Reversing Camera:** Connect the AHD720P reversing camera to the dedicated input. Ensure the reverse trigger wire is connected to activate the camera when the vehicle is in reverse gear.
- **RCA Outputs:** Use RCA cables for connecting external amplifiers or monitors.
- **Microphone:** Connect the external microphone for improved call quality.
- **Steering Wheel Control (SWC):** Connect the SWC wires to your vehicle's steering wheel control interface. This unit supports digital SWC.



**Figure 4:** Back panel wiring diagrams for the car stereo system.

This image provides detailed diagrams of the rear connections for the car stereo unit, illustrating where to connect the GPS antenna, 5G WiFi antenna, radio antenna, USB cables, 4G antenna, and various audio/video input/output cables. It differentiates between wiring for M200S-800S models and M100CP/M150CP models.

## SIM Card Installation (for 4G models)

For models supporting 4G connectivity (M200S-800S), the unit includes two SIM card slots: one on the back of the main unit and one on the RCA cable. Ensure the SIM card with the chip is facing the system module when inserting.

## OPERATING INSTRUCTIONS

### Initial Power On and Setup

After successful installation, turn on your vehicle's ignition. The stereo system will boot up. Follow the on-screen prompts for initial setup, including language selection and time zone settings.

## Touch Screen Interface

The unit features a high-resolution 2.5D IPS multi-touch screen for intuitive operation. Navigate through menus and applications by tapping, swiping, and pinching.

### 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 5: IPS Screen advantages over TFT.

This image visually compares a standard TFT screen with an IPS screen, demonstrating the superior viewing angles and color accuracy offered by the IPS technology used in this car stereo. It highlights how IPS provides a more vibrant and consistent display from various perspectives.

## Key Features and Functions

- **GPS Navigation:** Utilize the built-in GPS module for online and offline navigation. Supports various map applications.
- **CarPlay & Android Auto:** Connect your smartphone via wired or wireless connection for seamless integration of phone features, navigation, and media. (Wireless support for 8-core models like M800S).

- **Bluetooth:** Connect your phone for hands-free calling and audio streaming (Bluetooth 4.0/5.0).
- **FM Radio:** Tune into your favorite FM stations.
- **Multimedia Playback:** Play audio (mp3, wma) and video (mp4, mp5, jpeg) files from USB drives. Supports 1920\*1080 video recording and playback, and 4K video playback.
- **Wi-Fi & 4G LTE:** Connect to the internet via 5G Wi-Fi or 4G LTE (for compatible models) for online services, app downloads, and real-time traffic updates.
- **Steering Wheel Control (SWC):** Control basic functions of the stereo directly from your vehicle's steering wheel buttons.
- **DSP (Digital Signal Processor):** Built-in DSP supports surround sound adjustment, bass adjustment, and treble filtering for enhanced audio quality.
- **Split Screen:** Utilize the picture-in-picture split screen function to run two applications simultaneously.
- **Rearview Mirror Input:** Supports rearview camera input for safe parking.

### 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.

If the original car does not have steering wheel buttons, you can buy our BT steering wheel buttons.

### GPS NAVIGATION

Built-in global positioning system, omni-directional map display, synchronous display real-time traffic conditions, rapid and accurate positioning

**GPS BDS GLONASS**





4G SIM



4G SIM

The SIM card with the chip is facing the system module, with a bevel outward

### Support 5GHz WIFI (802.11 b/g/n)

# 5GHz



Only M200S M300S M400S M500S M600S M700S M800S supports

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

### 4G SIM card slot

The machine includes two SIM card slots, one on the back of the main unit and one on the RCA cable. (Supports M200S-M800S systems only)



External SIM card slot

**Figure 6:** Key operational features: Steering Wheel Control, GPS, and 5GHz WiFi.

This infographic highlights several key operational features of the car stereo. It explains the functionality of Steering Wheel Control (SWC)

for safe operation, the integrated GPS navigation system (supporting GPS, BDS, GLONASS), and the capability for 5GHz WiFi connectivity. It also illustrates the placement and proper insertion of SIM cards for models with 4G support.

## **MAINTENANCE**

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### **Screen Cleaning**

To clean the touch screen, use a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid abrasive materials or harsh chemicals that could damage the screen coating.

### **Software Updates**

Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be performed over Wi-Fi or via USB.

### **Cooling System**

The M200S-800S models are equipped with an aluminum heat sink and a powerful cooling fan at the rear to prevent overheating. Ensure proper ventilation around the unit during installation to allow for efficient heat dissipation.

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**TFT Screen**

**VS**

Angle  
TFT IPS

Sharpness  
TFT IPS

Saturation  
TFT IPS

**IPS Screen**

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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 7: Cooling fan system for temperature regulation.

This image illustrates the effectiveness of the integrated cooling fan. It contrasts a unit without a cooling fan, showing higher internal temperatures, with a unit equipped with a fan, demonstrating significantly lower and more stable operating temperatures, thus preventing overheating and ensuring long-term performance.

## TROUBLESHOOTING

### Common Issues and Solutions

- **No Power:**
  - Check all power connections (ACC, B+, GND) for secure fitment.
  - Verify vehicle's fuse box for blown fuses related to the stereo.
- **No Sound:**
  - Ensure speaker wires are correctly connected and not short-circuited.
  - Check volume levels and mute settings on the stereo.

- If using external amplifier, verify its power and connections.

- **GPS Signal Loss:**

- Ensure GPS antenna is securely connected and placed in an unobstructed location (e.g., dashboard, under windshield).
- Check for any metallic objects blocking the antenna's signal.

- **Bluetooth Connectivity Issues:**

- Ensure Bluetooth is enabled on both the stereo and your mobile device.
- Delete previous pairings and re-pair the devices.
- Restart both the stereo and your mobile device.

- **CarPlay/Android Auto Not Connecting:**

- For wired connection, use a high-quality USB cable.
- Ensure CarPlay/Android Auto is enabled in the stereo settings.
- Verify your phone's operating system is up to date.

If you encounter persistent issues, please refer to the support section for assistance.

## SPECIFICATIONS (M800S 8CORE 8+256G)

| Feature                | Specification                                                   |
|------------------------|-----------------------------------------------------------------|
| Operating System       | Android 13.0 API29                                              |
| Processor              | 8-core (Specifics not detailed, but generally high-performance) |
| RAM                    | 8GB                                                             |
| ROM (Internal Storage) | 256GB                                                           |
| Screen Size            | 9 inches                                                        |
| Screen Resolution      | 1280*720 (2.5D IPS Multi-touch)                                 |
| Internet Connection    | 4G LTE, 5G WiFi, USB, Hotspot                                   |
| Bluetooth Version      | 5.0                                                             |
| CarPlay Support        | Wired and Wireless                                              |
| Android Auto Support   | Wired and Wireless                                              |
| DSP                    | Built-in (Surround sound, bass, treble adjustment)              |
| Amplifier IC           | Toshiba 7851/7850/7838                                          |
| Cooling System         | Aluminum heat sink, powerful cooling fan                        |
| GPS Navigation         | Built-in module, supports online/offline maps                   |
| Rearview Camera Input  | Supported (AHD720P complimentary camera included)               |
| Item Weight            | 5.51 pounds                                                     |

|                    |                             |
|--------------------|-----------------------------|
| Package Dimensions | 17.72 x 15.75 x 7.48 inches |
|--------------------|-----------------------------|

| Car multimedia player parameter |                                                                                                                  |                                                                                                                            |                                                                                                        |                                                                                                  |                                                                                                   |                                                                                                   |
|---------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|                                 |  <b>M100CP</b><br><b>M150CP</b> |  <b>M200S</b><br><b>M400S</b>             |  <b>M300S</b>         |  <b>M500S</b>   |  <b>M600S</b>  |  <b>M800S</b>  |
| Model                           |                                 |                                           |                       |                |                |                |
| Internet                        |                                 |                                           |                       |                |                |                |
| OS                              | Android 12                                                                                                       | <b>9863</b><br>Android 12                                                                                                  | <b>7862S</b><br>Android 12                                                                             | <b>7862S</b><br>Android 12                                                                       | <b>7862S</b><br>Android 12                                                                        | <b>7862S</b><br>Android 12                                                                        |
| Core                            | 4-Core                                                                                                           | <b>8Core * 1.6Ghz</b><br><b>64 Bit Unisoc</b><br><b>UIS8581A</b><br><b>(SC9863A)</b><br><b>8*Cortex A55</b><br><b>28NM</b> | <b>8Core * 2.0Ghz 64 Bit</b><br><b>Unisoc</b> <b>UIS7862S</b><br><b>2*Cortex A75+6*Cortex A55 12NM</b> |                                                                                                  |                                                                                                   |                                                                                                   |
| RAM/ROM                         | <b>M100CP: 1+32GB</b><br><b>M150CP: 2+32GB</b>                                                                   | <b>M200S: 2+32GB</b><br><b>M400S: 4+64GB</b>                                                                               | 4G+32G                                                                                                 | 4G+64G                                                                                           | 6G+128G                                                                                           | <b>8G+256G</b>                                                                                    |
| Car-Play<br>Auto                | wireless<br>                  | wireless<br>                            | wireless<br>        | wireless<br> | wireless<br> | wireless<br> |
| BT module                       | <b>5.0</b>                                                                                                       | <b>5.0</b>                                                                                                                 | <b>5.0</b>                                                                                             | <b>5.0</b>                                                                                       | <b>5.0</b>                                                                                        | <b>5.0</b>                                                                                        |
| 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                     |  <b>YES</b>                   |  <b>YES</b>                             |  <b>YES</b>         |  <b>YES</b>   |  <b>YES</b>  |  <b>YES</b>  |
| Full AV Output                  | Optional                                                                                                         | Optional                                                                                                                   | Optional                                                                                               | Optional                                                                                         | Optional                                                                                          | Optional                                                                                          |
| DSP                             | Optional                                                                                                         |                                         |                     |              |              |              |
| RDS                             |                               |                                         |                     |              |              |              |

**Figure 8:** Comparative specifications for various car multimedia player models.

This image presents a detailed table comparing the specifications across different models of the car multimedia player, including the M800S. It outlines variations in internet connectivity (4G+), operating system (Android 12), core processor, RAM/ROM configurations, CarPlay/Android Auto support, Bluetooth module version, resolution, screen type (IPS), and the presence of a cooling fan, full AV output, DSP, and RDS.

## WARRANTY AND SUPPORT

### Warranty Information

This product comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and

malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

**Technical Support**

For any technical assistance, installation queries, or troubleshooting not covered in this manual, please contact our customer service. We offer online technical service and professional installation technical support.

If you are unsure about compatibility or have specific questions, you can send us a photo of your car's model, year of manufacture, and dashboard center console via chat or Amazon mail for professional guidance.

Contact information for support is typically available on the product packaging or through your purchase platform.