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› XTRONS Android 12 Car Stereo Instruction Manual for Mercedes Benz C CLK W209 W203 (Model IAP92M211S)

XTRONS IAP92M211S

XTRONS Android 12 Car Stereo Instruction Manual

Model: IAP92M211S

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS Android 12 Car Stereo, Model IAP92M211S. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

1.1 Applicable Models and Years

- Mercedes Benz CLK-Class W209 (2005-2006)
- Mercedes Benz G-Class W463 (G350 / G500 / G55) (2006-2008)
- Mercedes Benz C-Class W203 (C180 / C200 / C220 / C230 / C240 / C250 / C270 / C280 / C300 / C320 / C350 / 32 AMG) (2004-2007)

Note: Please verify the dimensions of your original head unit and the shape of your car's central console before installation to ensure compatibility.

Applicable Models & Years

For Mercedes-Benz

For Mercedes-Benz CLK-Class W209 (2005–2006)

For C-Class W203 (C180 / C200 / C220 / C230 / C240 / C250 / C270 / C280 / C300 / C320 / C350 / 32 AMG) (2004–2007) (Please check the dimension beforehand)

For G-Class W463 (G350 / G500 / G55) (2006–2008)



Image 1.1: Visual comparison of a Mercedes-Benz dashboard before and after the XTRONS car stereo installation, illustrating the integrated appearance.

1.2 Key Features

- **Operating System:** Android 12
- **Processor:** Octa Core CPU (4GB RAM + 64GB ROM)
- **Display:** 9-inch IPS Touch Screen with 1280x720 resolution, supporting 2K video playback
- **Connectivity:** Built-in Wireless Car Play & Wired Android Auto, Bluetooth 5.0, 4G LTE (Micro-SIM required), Wi-Fi, USB
- **Audio:** Built-in DSP (Digital Sound Processor) for enhanced audio quality
- **Navigation:** GPS Navigation compatible with Android OS navigation software
- **Integration:** Optimized CANbus decoding for vehicle information display (radio, CD/DVD, air conditioning control)
- **User Experience:** Split Screen function, Changeable UI Themes



Image 1.2: An overview of the XTRONS car stereo's core features and specifications.

2. INSTALLATION GUIDE

2.1 Pre-Installation Checklist

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Confirm the dimensions of the XTRONS unit (260mm top width, 251mm bottom width for IAP92M211S) against your vehicle's dashboard opening.
- Verify your car's central console shape is trapezoidal. Non-trapezoidal or oval shapes may require different XTRONS models or modifications.
- If your vehicle has a COMAND APS NTG 2 system or D2B Optical Bus System (COMAND 2.0 or COMAND 2.5), an additional optical decoder box (e.g., XTRONS FOBB03 or AK/MB/FOBB06) is required for audio.
- Note that your original CD changer will not function after installing this unit.
- This unit does not support your vehicle's air conditioning information display.

Important Notes on Compatibility

Check size: Please do check the dimension of your original unit first, the top width of our IAP92M209 is 260mm, if yours is 251mm, please refer to XTRONS PE82M209SL.



Please refer to XTRONS PE82M209SL

Check shape: Please ensure your car's central console is trapezoidal shape before purchasing, or this unit can **NOT** fit with your car.



Trapezoidal central console without trim strip above.



Quadrangle central console, please refer to XTRONS IA92M245L.



Trapezoidal central console with trim strip above, please refer to XTRONS IAP92M211.



Oval-shaped, please refer to XTRONS IA82M203L.

Please note your CD changer will **NOT** work after installing this unit.



This unit does **NOT** support your vehicles' air conditioning informaton.

Cables You May Need

Please be advised if your vehicle has COMAND APS NTG 2 system, you need to order an extra optical decoder box from XTRONS to retain your car's original COMAND system. (XTRONS FOBB03 is compatible)



If your vehicle comes with the original D2B Optical Bus System COMAND 2.0 or COMAND 2.5, you need to get an extra



Optical Fiber Decoder Box for decoding audio.
(XTRONS AK/MB/FOBB06 is compatible.)



Image 2.1: Important notes on compatibility, including unit dimensions and console shape requirements.

2.2 Package Contents

The following items are included in your package:

- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 1 × 4G Antenna
- 1 × Camera Cable
- 1 × CANbus Box
- 2 × USB Cable
- 1 × GPS Antenna
- 1 × Radio Antenna Cable
- 1 × Radio Antenna Adapter
- 1 × CANbus Cable
- 1 × User Manual

Size



Accessories



1 x ISO Wiring Harness



1 x RCA Cable



1 x 4G Antenna



1 x Camera Cable



1 x CANbus Box



2 x USB Cable



1 x GPS Antenna



1x Radio Antenna Adapter



1x Radio Antenna Adapter



1 x CANbus Cable



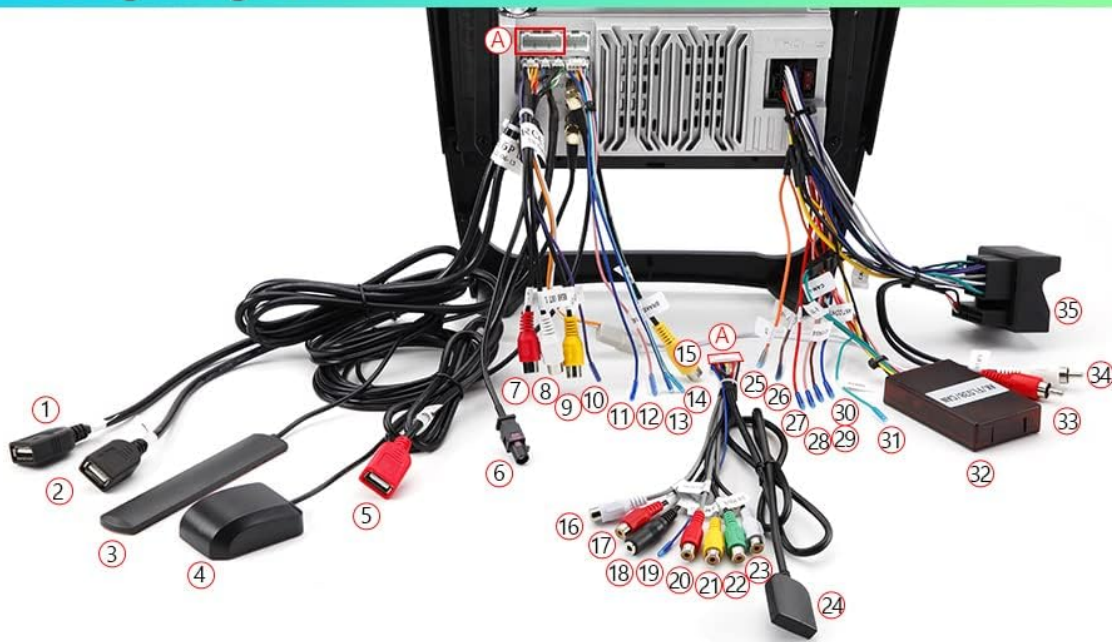
1 x User Manual

Image 2.2: All accessories included with the XTRONS car stereo.

2.3 Wiring Connections

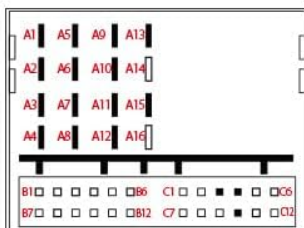
Refer to the wiring diagram below for proper connection of all cables. Ensure all connections are secure before powering on the unit.

Wiring Diagram



- | | | |
|--|---|---|
| 1. USB Port1 | 12. REVERSE, Not Available | 24. 4G SIM Card Slot |
| 2. USB Port2 | 13. Wi-fi Antenna | 25. ILL, Big Light Control Cable |
| 3. 4G Antenna | 14. BRAKE, Brake-in Cable | 26. KEY1, Steering Wheel Control Key1 |
| 4. GPS Antenna | 15. CAMERA-IN, Rear Camera Input | 27. ACC |
| 5. CarAutoPlay USB Port | 16. FRONT OUT L, Front Left Audio Output | 28. REVERSE, Reversing Control Cable |
| 6. Radio Antenna Port | 17. AUX IN R, Audio Input Right | 29. KEY2, Steering Wheel Control Key2 |
| 7. REAR OUT R, Rear Right Audio Output | 18. MIC, External Microphone Port | 30. ANT CONT, Automatic Antenna Control |
| 8. REAR OUT L, Rear Left Audio Output | 19. AMP-CONT, Amplifier Control Cable | 31. BRAKE, Brake-in Cable |
| 9. coaxial out, Not Available | 20. FRONT OUT R, Front Right Audio Output | 32. CANbus Box |
| 10. F CCD+12V, Not Available | 21. CVBS-IN-1, Video Input1 | 33. AUX RIN , Audio Input Right |
| 11. Bluetooth Antenna | 22. SUB WOOFER, Subwoofer Output | 34. AUX LIN , Audio Input Left |
| | 23. AUX IN L, Audio Input Left | 35. ISO Wiring Harness |

ISO Wiring Harness



- | | | |
|--------------------------|-------------------------|------------------------------|
| A1: Rear Right Speaker+ | A7: Front Left Speaker- | A13: Amplifier Control Cable |
| A2: Front Right Speaker+ | A8: Rear Right Speaker- | A15: B+12V |
| A3: Front Left Speaker+ | A9: CANbus- | C3: GND |
| A4: Rear Left Speaker+ | A10: CANbus+ | C4: Audio Input Right |
| A5: Rear Right Speaker- | A11: CANbus+ | C10: Audio Input Left |
| A6: Front Right Speaker- | A12: GND | |

Image 2.3: Comprehensive wiring diagram for the XTRONS car stereo.

- **USB Ports (1, 2):** Connect USB devices for media playback or data transfer.
- **4G Antenna:** Connect the provided 4G antenna for cellular network access.
- **GPS Antenna:** Connect the GPS antenna for navigation functionality.
- **CarAutoPlay USB Port:** Dedicated port for wired Android Auto connection.
- **RCA Cables:** Connect for audio/video input/output (e.g., external amplifier, subwoofer, cameras).
- **CANbus Box:** Connect the CANbus box to the vehicle's wiring harness for integration with vehicle systems (steering wheel controls, door status, etc.).
- **Radio Antenna:** Connect the radio antenna cable and adapter for FM/AM reception.
- **Steering Wheel Control (KEY1, KEY2):** Connect for steering wheel button functionality.
- **Reverse/Brake Cables:** Connect for reverse camera activation and parking brake safety features.

3. OPERATION INSTRUCTIONS

3.1 Initial Power On and Setup

After successful installation, turn on your vehicle's ignition. The unit will boot up, displaying the XTRONS logo. Follow the on-screen prompts for initial setup, including language selection, time zone, and Wi-Fi connection.

3.2 User Interface Navigation

The unit features an intuitive Android 12 interface. Swipe left or right to access different home screens and app drawers. Tap icons to launch applications. The system supports changeable UI themes, allowing for personalization.

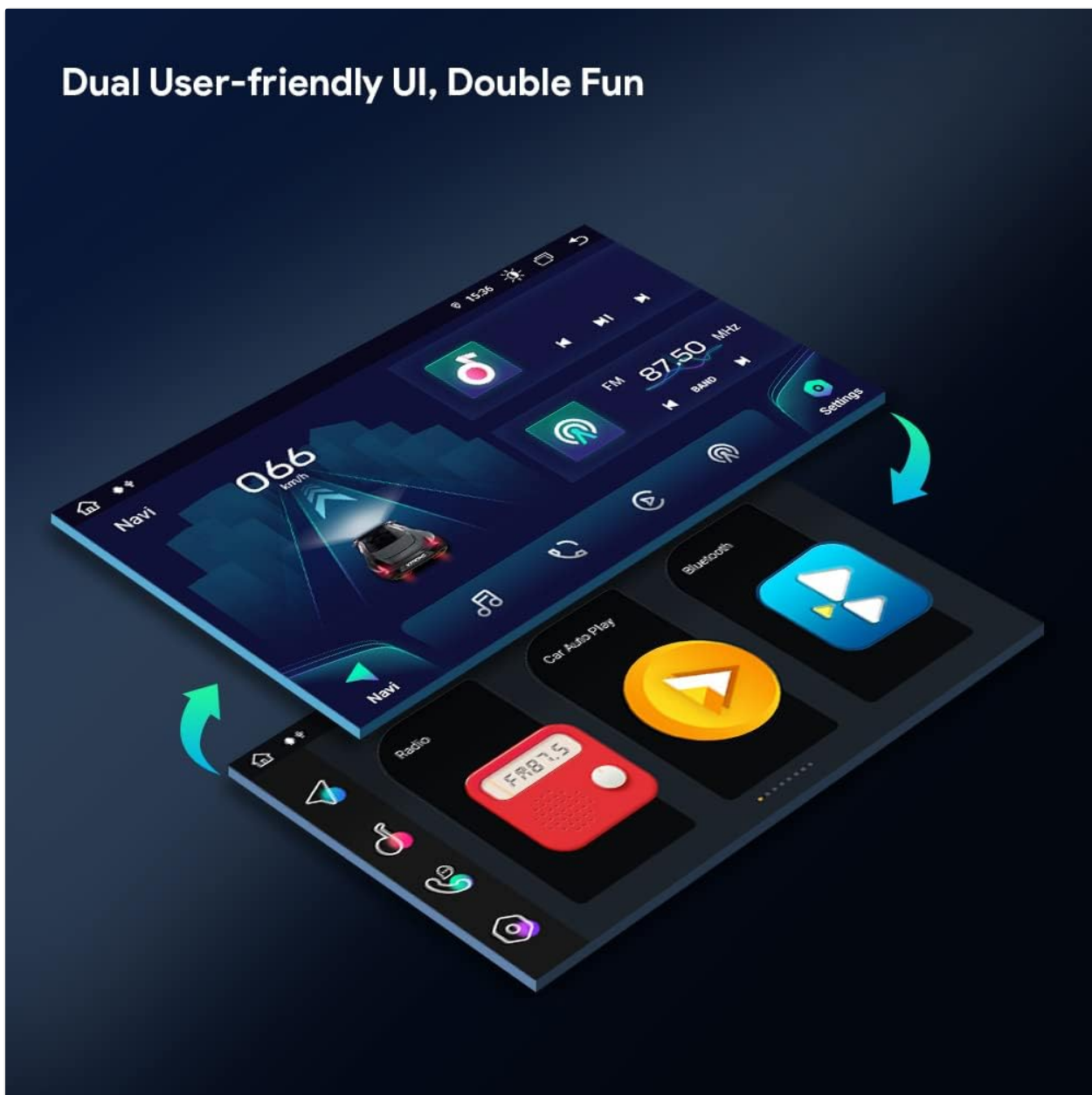


Image 3.1: The dual user interface, showcasing navigation and media applications.

3.3 Smartphone Connectivity (CarPlay & Android Auto)

The unit supports both Wireless Car Play and Wired Android Auto. Connect your compatible smartphone via Bluetooth for Wireless Car Play or use the dedicated USB port for Wired Android Auto. Once connected, you can access navigation, music, calls, and messages directly from the stereo's screen.

3.4 Bluetooth 5.0

Pair your mobile phone via Bluetooth for hands-free calling and audio streaming. Navigate to the Bluetooth settings on the unit, enable Bluetooth on your phone, and select the XTRONS device from the list. Confirm the pairing code on both devices.

3.5 GPS Navigation

The unit comes with a built-in GPS module. Install your preferred Android-compatible navigation application from the Google Play Store. Ensure the GPS antenna is properly connected and positioned for optimal signal reception.

3.6 4G Connectivity

Insert a Micro-SIM card into the designated slot to enable 4G LTE connectivity. This allows for independent internet access, online navigation, and streaming services without relying on a Wi-Fi hotspot. The unit supports various global 4G bands (1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 42).

Global 4G LTE, Connect with No Boundaries

MediaTek CAT7 Modem

4G LTE

300 Mbps

4G

Download Speed up to 300Mbps

Support 99% of Carriers Worldwide

Supported Bands: 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 42
Not Supported Bands: 13, 25, 26

12mm
SIM 15mm

*It only supports Micro-SIM card (not included).

Image 3.2: Details on 4G LTE connectivity and SIM card installation.

3.7 Digital Sound Processor (DSP)

Utilize the built-in DSP to customize your audio experience. Access the DSP settings to adjust equalizer presets, balance, fader, and other sound parameters to match your preferences and vehicle acoustics.

3.8 Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously. For example, you can have navigation displayed on one side of the screen while controlling your music player on the other.



Image 3.3: Visual representation of DSP, Bluetooth, CANbus, and GPS features.

4. MAINTENANCE

4.1 Cleaning

To clean the screen and unit, use a soft, dry, lint-free cloth. For stubborn marks, lightly dampen the cloth with water. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the screen and finish.

4.2 Software Updates

Periodically check the XTRONS official website or contact customer support for available software updates. Updates can improve performance, add new features, and resolve potential issues. Follow the provided instructions carefully when performing any software update.

5. TROUBLESHOOTING

5.1 Unit Does Not Power On

- Check all power connections, including the ISO wiring harness and ACC (accessory) wire.
- Ensure the vehicle's fuse for the stereo is intact.
- Verify the vehicle battery has sufficient charge.

5.2 No Sound or Poor Audio Quality

- **Optical Fiber System (Harmon Kardon Amp):** If your Mercedes-Benz is equipped with an optical fiber audio system (e.g., Harmon Kardon amplifier), the unit requires an external optical decoder box (such as XTRONS FOBB03 or AK/MB/FOBB06) to produce sound. Without this decoder, the unit will not output audio through the vehicle's factory amplifier.
- Check all RCA audio output connections to your amplifier (if applicable).
- Ensure the volume is not muted or set too low.
- Verify speaker connections are secure.

5.3 Unit Does Not Fit Correctly

- **Mercedes W209 Chassis:** Some W209 models may experience fitment issues due to slight dimensional differences (e.g., unit width of 260mm vs. original 267mm). This may require minor modification to the vehicle's trim for proper installation. Always measure your original head unit and dashboard opening before purchase.
- Ensure your central console is trapezoidal. Oval-shaped consoles are not compatible without significant modification.

5.4 GPS Signal Issues

- Ensure the GPS antenna is securely connected and placed in an area with a clear view of the sky (e.g., on the dashboard, away from metal obstructions).
- Restart the unit and the navigation application.

5.5 Bluetooth Connection Problems

- Ensure Bluetooth is enabled on both the car stereo and your mobile device.
- Delete previous pairings on both devices and attempt to re-pair.
- Move your mobile device closer to the car stereo.

6. TECHNICAL SPECIFICATIONS

- **Brand:** XTRONS
- **Model Name:** IAP92M211S
- **Display Size:** 9 Inches
- **Screen Resolution:** 1280x720 (Supports 2K Video)
- **Operating System:** Android 12

- **Processor:** Octa Core
- **RAM:** 4GB
- **ROM:** 64GB
- **Connectivity Technology:** Bluetooth 5.0, Cellular (4G LTE), USB, Wi-Fi
- **Special Feature:** Touchscreen, Built-in DSP, Wireless Car Play, Wireless/Wired Android Auto
- **Map Type:** Worldwide (Requires compatible Android OS navigation app)
- **Audio Output Mode:** Stereo
- **Mounting Type:** Panel Mount

7. WARRANTY AND CUSTOMER SUPPORT

7.1 Warranty Information

XTRONS provides a **1-year warranty** for this unit, covering manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

7.2 Contact Support

For technical assistance, troubleshooting, or warranty inquiries, please do not hesitate to contact XTRONS customer support via Amazon email. Our team will respond promptly to ensure your rights and interests are addressed.