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XTRONS IAP9290BS

XTRONS Android 12 Octa Core Car Stereo User Manual

Model: IAP9290BS for BMW E90, E91, E92, E93 Series

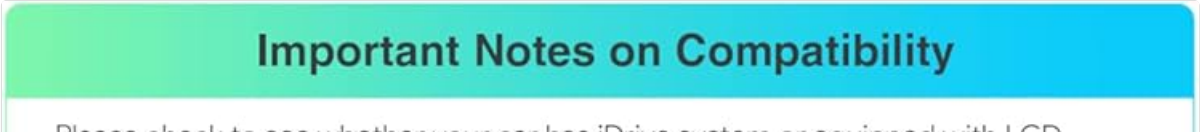
1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your XTRONS Android 12 Octa Core Car Stereo (Model IAP9290BS). Please read this manual thoroughly before installation and use to ensure proper function and safety.

Package Contents

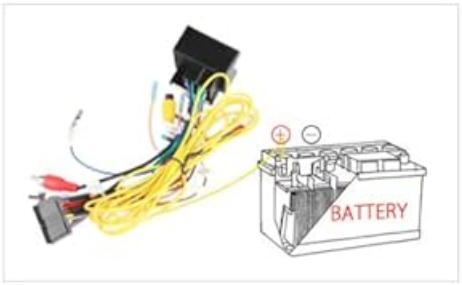
Verify that all items listed below are included in your package:

- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 2 × USB Cable
- 1 × GPS Antenna
- 1 × CANbus Cable
- 1 × Camera Cable
- 1 × Radio Antenna Cable
- 1 × CANbus Box
- 2 × Air-conditioning Cover
- 1 × 4G Antenna
- 1 × Air-conditioning Bracket
- 2 × Screw & 2 × Plastic Stopper
- 1 × User Manual



Please check to see whether your car has iDrive system or equipped with LCD screen, if it has this unit is NOT compatible with your car. Please refer to QEB8260CC/QEB8260CI.

XTRONS has provided a 6m extensions cable with the ISO wiring harness, you need to connect it with your car's battery to keep the memory of this unit.



Please remove the plastic frame as picture shown before installing the head unit.

XTRONS has provided two air-conditioning covers to help the installation, if you can NOT install your car's air-conditioning face panel with neither of the provided covers, you need to make some modifications as the following pictures show. (Cut the two sides of the plastic frame on BMW E90 air-conditioning equipment).

Important Notes on Compatibility

If the factory radio has optical fiber amplifier Harman Kardon system and the plug doesn't have 8 speaker wires as shown below, you need to order a decoder to aid for the installation.
(XTRONS FOBB05 is compatible).

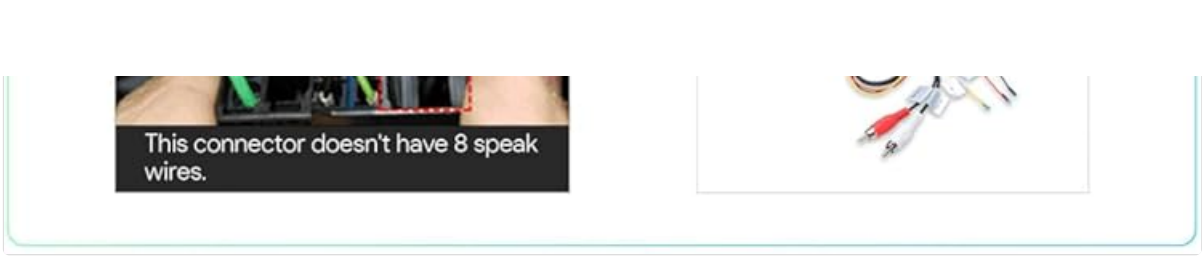


Image 1.1: All accessories included with the XTRONS IAP9290BS car stereo.

2. Compatibility

Applicable Models & Years:

- For BMW E90 Sedan (2005-2012)
- For BMW E91 Touring (2005-2012)
- For BMW E92 Coupe (2006-2013)
- For BMW E93 Convertible (2007-2013)
- For (E90 / E92 / E93) M3 (2007-2012)

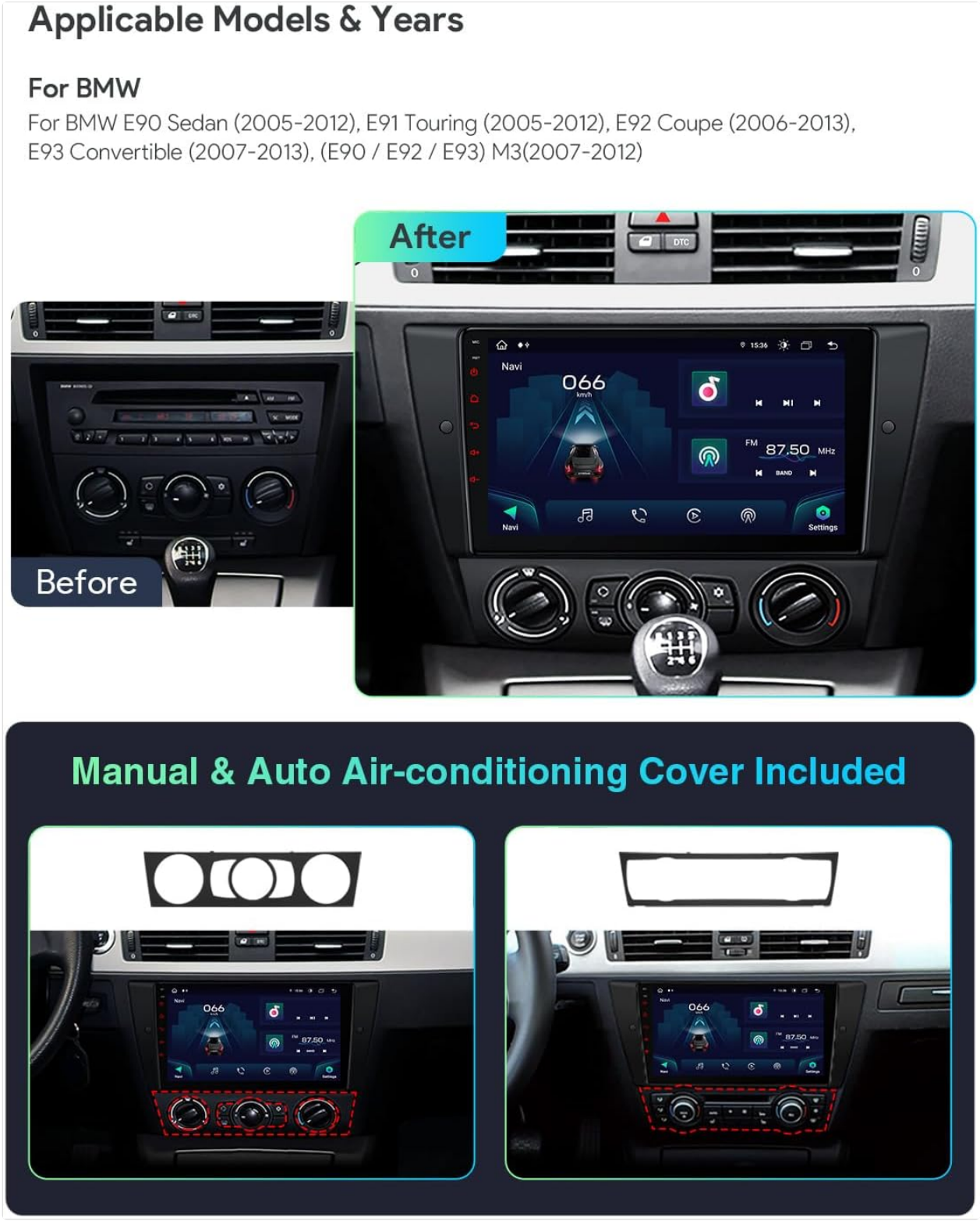


Image 2.1: Visual comparison of the car's dashboard before and after installing the XTRONS car stereo.

Important Compatibility Notes:

- Please check if your car has an iDrive system or is equipped with an LCD screen. This unit is **NOT** compatible with vehicles featuring these systems.
- An included 6m extension cable for the ISO wiring harness is provided. This is necessary to connect to your car's battery to maintain the unit's memory.
- The plastic frame must be removed before installing the head unit.
- Two air-conditioning covers are provided to assist with installation. Modifications to the original air-conditioning face panel may be required, such as cutting the two sides of the plastic frame on BMW E90 air-conditioning equipment.

- If the factory radio has an optical fiber amplifier Harman Kardon system and the plug does not have 8 speaker wires, you will need to order a decoder to aid in the installation.

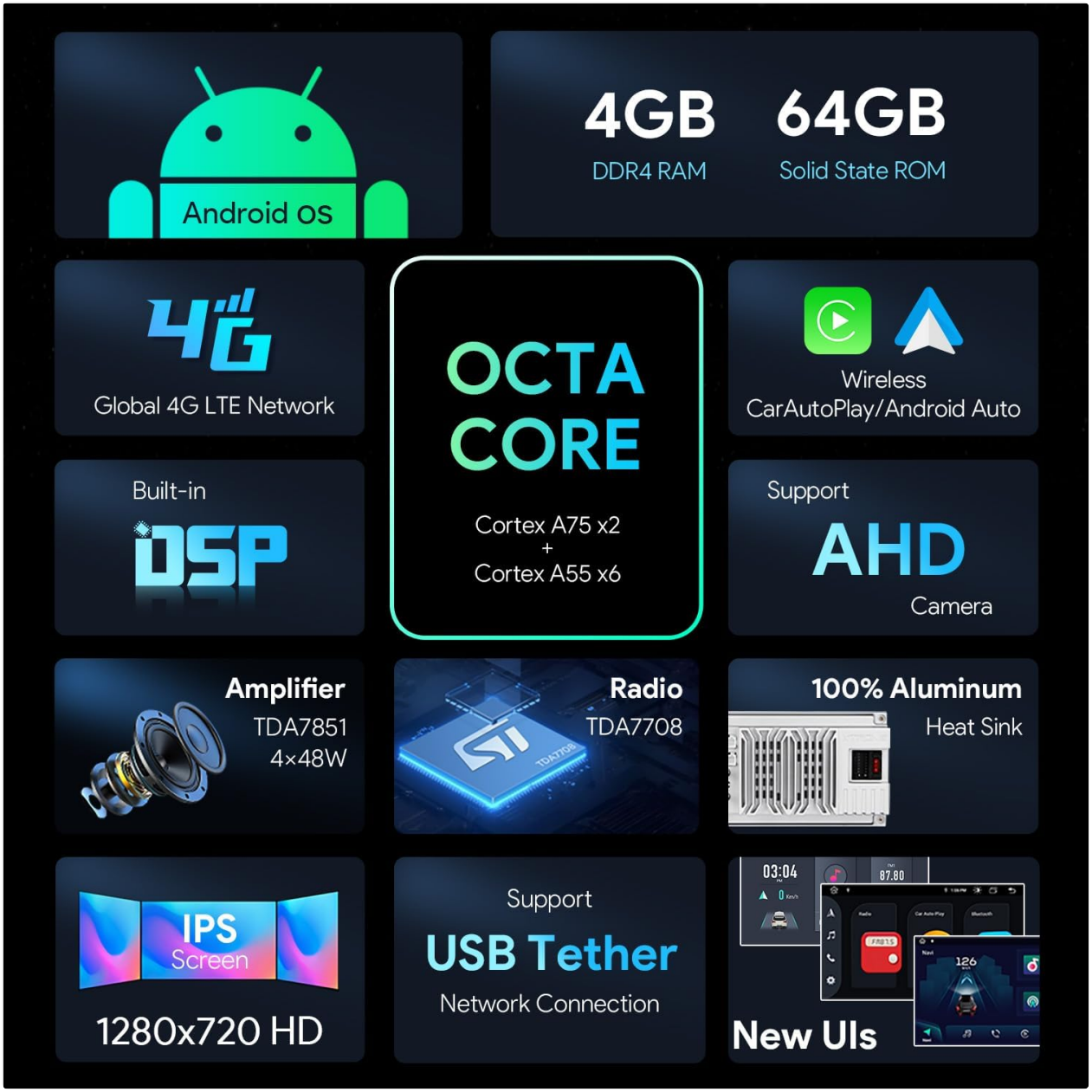


Image 2.2: Visual guide for important compatibility checks and installation considerations.

Image 2.3: Illustration of the Harman Kardon system connector and the need for a decoder if applicable.

3. Setup & Installation

Installation of the XTRONS car stereo requires technical knowledge. It is recommended that installation be performed by a qualified professional. Incorrect installation may damage the unit or your vehicle.

General Installation Steps (Consult a professional for detailed vehicle-specific instructions):

1. Disconnect the vehicle's battery to prevent electrical shorts.
2. Carefully remove the existing factory radio and trim panels. Refer to your vehicle's service manual for specific removal procedures.
3. Connect the provided ISO wiring harness to the vehicle's wiring and the XTRONS unit. Ensure all connections are secure.
4. Connect the GPS antenna, 4G antenna, and radio antenna cable. Position antennas in locations with clear reception.
5. If applicable, connect the CANbus box and camera cable.
6. Install the air-conditioning covers and bracket as needed, making any necessary modifications to the vehicle's dashboard.

7. Mount the XTRONS car stereo securely into the dashboard opening using the provided screws and plastic stoppers.
8. Reconnect the vehicle's battery.
9. Power on the unit and perform initial setup and testing.

Wiring Diagram

Image 3.1: Detailed wiring diagram for connecting the XTRONS IAP9290BS car stereo. Refer to this diagram for correct cable connections.

4. Operating Instructions

The XTRONS IAP9290BS operates on Android 12, offering a user-friendly interface and a wide range of features.

4.1 User Interface (UI)

The unit features optimized and intuitive icons for a distraction-free driving experience. You can switch between different UI themes to personalize the look and feel of your stereo.

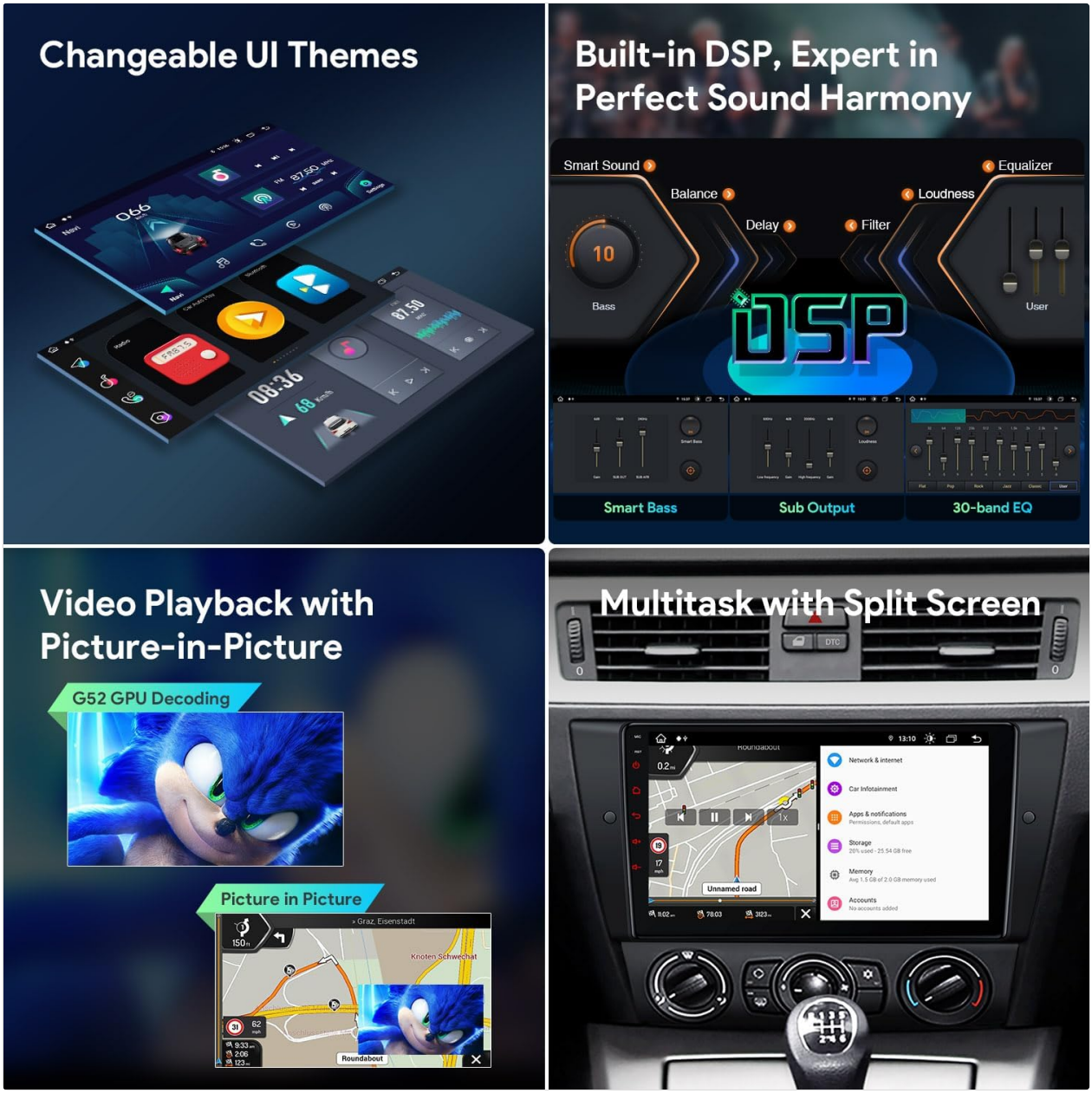


Image 4.1: Demonstrates the customizable UI themes and multi-tasking capabilities like Picture-in-Picture and Split Screen.

4.2 Smartphone Connectivity (CarAutoPlay & Android Auto)

The unit supports both Wireless CarAutoPlay and Wireless/Wired Android Auto, allowing seamless integration with your smartphone.

- **CarAutoPlay:** Connect your iPhone to the car stereo via Bluetooth or through a cable. You can tap to use apps on the large screen or ask Siri to perform tasks safely.
- **Android Auto:** Connect your Android phone to the car stereo through a cable. You can either cast the apps to use on the large screen or control them with voice commands via Google Assistant.

Image 4.2: Overview of CarAutoPlay, Android Auto, and Screen Mirroring functionalities.

4.3 Digital Sound Processor (DSP)

The built-in DSP enhances audio quality, offering advanced sound customization options to optimize your listening experience.

4.4 Radio with RDS

The unit features a built-in ST TDA7708 radio chip, covering AM/FM bands and providing state-of-the-art performance with multipath noise mitigation and RDS decoding.

4.5 Dual Band WiFi & 4G Connectivity

The dual-band WiFi module supports both 2.4GHz and 5GHz bands for faster data transmission and flexible connectivity. With 4G connectivity, you can insert a Micro-SIM network card for mobile broadband access. Supported 4G bands include: 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 42. Bands 13, 25, 26 are not supported.

Image 4.3: Details on global 4G LTE connectivity, dual band WiFi, and mobile network sharing via USB tethering.

4.6 Bluetooth 5.0

Connect your mobile phone via the built-in Bluetooth 5.0 for hands-free calls, access to your phone book, call logs, contact search, and music streaming.

4.7 GPS Navigation

The unit supports various Android navigation software, including Sygic, IGO, Waze, and Google Maps. Note: This unit does not include a map card; you need to download navigation software from the Android app market.

4.8 Picture-in-Picture (PIP) & Split Screen

- **Picture-in-Picture:** This feature allows a floating video player to stick to the foreground of your screen, enabling you to watch videos while multitasking.
- **Split Screen:** Run two applications side by side. For example, you can open a navigation map on the left while using a music app on the right.

5. Optional Features

Enhance your XTRONS car stereo experience with these optional accessories:

- **OBD2 Function:** Retrieve real-time data and trouble codes from your vehicle's computer. (Requires optional OBD device, e.g., ASIN: B015MU8UN6 / B08HQ9LQ9X)
- **TPMS Function:** Monitor tire pressure. (Requires optional TPMS device, e.g., ASIN: B07WQFKV5G / B07DKB4GD2)
- **Front / Reversing Camera:** Improve visibility and parking safety. (Requires optional camera, e.g., ASIN: B07HMLYLJJ / B00GY3BVT6)
- **External DVR:** Record driving footage. (Requires optional DVR, e.g., ASIN: B07MBYCG4C / B08MF1ZRJ3)
- **DAB+ Tuner:** Enjoy digital audio broadcasting. (Requires optional DAB+ tuner stick)

6. Specifications

Feature	Specification
Model Number	IAP9290BS
Operating System	Android 12
Processor	Octa Core (2x Cortex-A75 + 6x Cortex-A55)
RAM	4GB DDR4
ROM	64GB SSD
Display Size	9 Inches
Display Type	IPS Touch Screen
Resolution	1280*720 HD
Bluetooth	Bluetooth 5.0
WiFi	Dual Band (2.4GHz & 5GHz)
4G LTE	Integrated (Micro-SIM required)
GPS	Built-in, supports various Android navigation software
Audio Output Mode	Stereo
Special Features	Built-in DSP, CarAutoPlay, Android Auto, Screen Mirroring, PIP, Split Screen
Mounting Type	Panel Mount

Image 6.1: Physical dimensions of the XTRONS IAP9290BS car stereo.

7. Troubleshooting

If you encounter issues with your XTRONS car stereo, please refer to the following general troubleshooting steps:

- **No Power:** Check all power connections, including the ISO wiring harness and battery connection. Ensure the vehicle's battery is charged.
- **No Sound:** Verify speaker connections and audio settings (e.g., volume, balance, fader, DSP settings). Check if the mute function is active.
- **Poor GPS Signal:** Ensure the GPS antenna is installed in a location with a clear view of the sky.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the stereo and your mobile device. Try unpairing and re-pairing the devices.
- **Wi-Fi Connection Problems:** Verify Wi-Fi settings and password. Ensure the unit is within range of a strong Wi-Fi signal.
- **Screen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset may be necessary (note: this will erase all user data).
- **Compatibility Issues:** Re-check the compatibility notes in Section 2 to ensure your vehicle meets all

requirements.

For persistent issues, please contact XTRONS customer support.

8. Maintenance

To ensure the longevity and optimal performance of your XTRONS car stereo, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that could damage the finish.
- **Software Updates:** Periodically check for software updates from XTRONS to ensure your unit has the latest features and bug fixes.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

9. Warranty & Support

XTRONS provides a **1-year warranty** for this unit. For warranty claims, technical assistance, or any product-related inquiries, please contact XTRONS customer support via Amazon email. Our professional technical support team will respond promptly to ensure your rights and interests are protected.

10. Product Videos

XTRONS Car Stereo for BMW E90 Android 11 Octa Core Car Radio 9 Inch IPS DSP Car Play Android Auto

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Video 10.1: An overview of the XTRONS car stereo for BMW E90, highlighting its Android 11 Octa Core system, 9-inch IPS display, DSP, Car Play, and Android Auto features. This video provides a visual demonstration of the unit's capabilities and user interface.

XTRONS 9 Inch Car Stereo for BMW E90 E91 E92 E93 325 328

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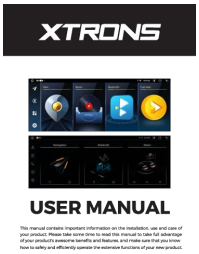
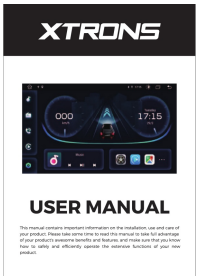
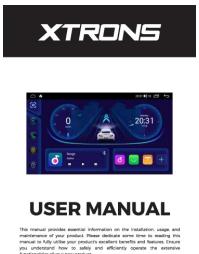
Video 10.2: A detailed look at the XTRONS 9-inch car stereo, specifically designed for BMW E90, E91, E92, and E93 models (including 325 and 328 variants). This video showcases the unit's fitment and various functions within the vehicle's interior.

Related Documents - IAP9290BS

	[XTRONS TQS113/DQS112L Android 11 User Manual] Comprehensive user manual for the XTRONS TQS113 and DQS112L Android 11 car infotainment systems, covering installation, setup, features, and troubleshooting.
	[XTRONS Head Unit Compatibility Guide for BMW E53, E46, E39, E90 Models] Find out which XTRONS head units are compatible with your BMW E53, E46, E39, or E90. This guide provides essential information on model compatibility, harness connectors, and installation tips.
	[XTRONS User Manual: Comprehensive Guide to Your In-Car Entertainment System] Explore the XTRONS user manual for detailed instructions on installing, using, and caring for your in-car entertainment system. Learn about features like Bluetooth, navigation, CarAutoPlay, Android Auto, and more.
	[XTRONS TX Series Japanese User Manual for DX120L/TX121L] This user manual provides detailed instructions for the XTRONS TX Series car infotainment system, including setup, operation, and troubleshooting for models DX120L and TX121L. It covers features such as radio, USB/SD playback, Bluetooth connectivity, Carplay/Android Auto, mirroring, navigation, and various settings.
	[Xtrons PE Series Android Car Stereo User Manual] Comprehensive user manual for the Xtrons PE Series Android Car Stereo, covering installation, basic operations, functions like radio, navigation, Bluetooth, multimedia, and troubleshooting.
	[XTRONS User Manual: Installation, Usage, and Features] Comprehensive user manual for XTRONS car stereos, covering installation, basic operations, advanced functions like radio, navigation, and Bluetooth, as well as settings and troubleshooting.