XTRONS IA81ATTLH-CA

XTRONS Android 12 Car Radio IA81ATTLH-CA Instruction Manual

For Audi TT MK2 8J (2006-2012)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS Android 12 Car Radio, model IA81ATTLH-CA. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

APPLICABLE MODELS & COMPATIBILITY NOTES

This unit is designed for the following vehicle models and years:

- Audi TT MK2 8J (2006, 2007, 2008, 2009, 2010, 2011, 2012)

Important Compatibility Notes:

Please verify if your vehicle has an RNS-D (Radio Navigation System) or BNS 5.x (Basic Navigation System). If either of these systems is present, this unit is **not** compatible with your car. For clarification, please provide a picture of your original wiring to XTRONS support for assistance.
You may need XTRONS AK/INIB/NRCBL if the rear speakers in your vehicle have static noise after installing this unit. Ensure the original ISO wiring harness plug is 40-pin before purchasing.

Important Notes on Compatibility

Please check to see whether there is RNS-D(Radio Navigation System) or BNS 5.x (Basic Navigation System), if there is, this unit is NOT compatible with your car.
Please send a picture of the original wiring to us, we will study it to find a solution for you.

Cables You May Need

Please check to see whether your vehicles' radio antenna port is the same as the picture on the right, if it is, you need to order a cable to aid for the installation.
(XTRONS ICE/ACS/ISOFZ is compatible.)

You may need XTRONS AK/INIB/NRCBL if the rear speakers in your vehicle have static noise after installing this unit.(Please make sure the original ISO wiring harness plug is 40pin before buying.)

Image: Important compatibility notes and examples of cables that may be needed. This includes a radio antenna port comparison and a wiring harness.

WHAT'S IN THE BOX

The following items are included with your XTRONS Android 12 Car Radio:

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

Size

Accessories

2 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

1 x Amplifier Box for BOSE System

1 x Radio Antenna Cable

1 x CANbus Cable

1 x User Manual

Image: All accessories included with the XTRONS Android 12 Car Radio.

SETUP

Physical Installation

The XTRONS Android 12 Car Radio is designed for a direct fit in compatible Audi TT MK2 8J models. Installation typically involves removing the factory head unit and connecting the provided wiring harnesses to the vehicle's existing connections. Ensure all connections are secure before reassembling the dashboard.

Applicable Models & Years

For Audi TT MK2 8J (2006-2012)

Image: Before and after installation of the XTRONS Android 12 Car Radio in an Audi TT MK2 8J.

Wiring Diagram

Refer to the detailed wiring diagram below for correct connections of all components.
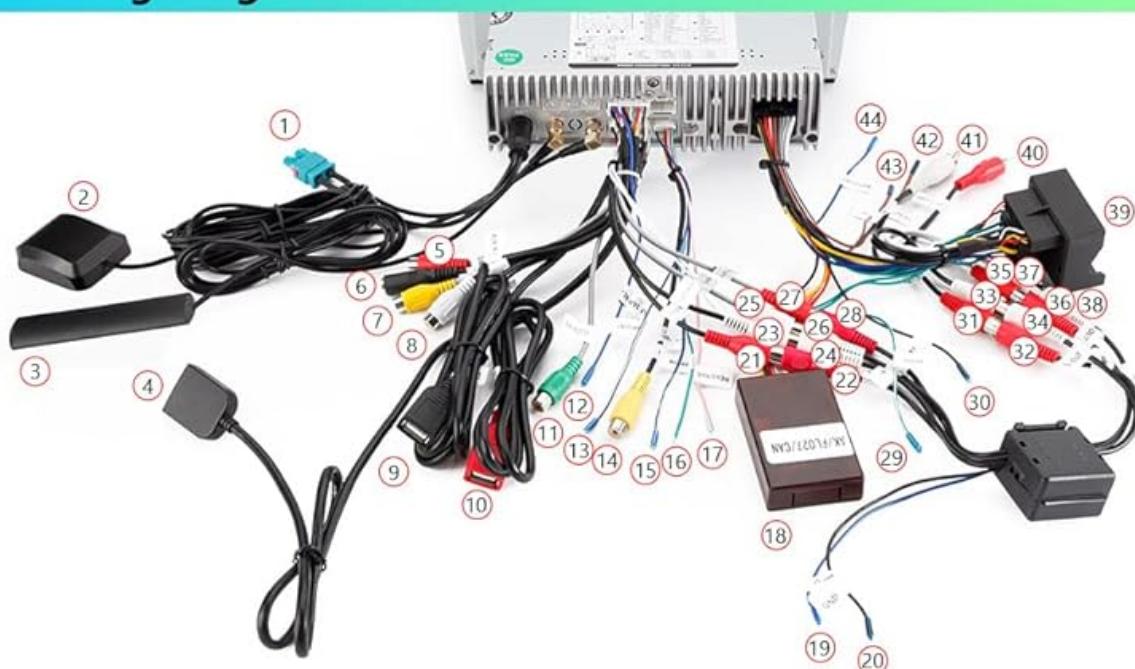

1. Radio Antenna Port
2. GPS Antenna
3. 4G Antenna
4. 4G SIM Card Slot
5. AUX IN R, Audio Input Right

23. REAR OUT L, Rear Left Audio Output
24. RL-IN, Rear Left Sound Channel Input
25. FRONT OUT L, Front Left Audio Output
26. FL-IN, Front Left Sound Channel Input
27. FRONT OUT R, Front Right Audio Output

6. MIC, External Microphone Port
7. CVBS-IN-1, Video Input1
8. AUX IN L, Audio Input Left
9. USB Port
10. CarAutoPlay Port
11. SUB WOOFER, Subwoofer Output
12. AMP-CON, Amplifier Control Cable
13. Bluetooth Antenna
14. CAMERA-IN, Camera Video Input
15. Wi-fi Antenna
16. BRAKE, Brake-in Cable
17. REVERSE, Not Available
18. CANbus Box
19. AMP 12V, Amplifier Control 12V
20. GND
21. REAR OUT R, Rear Right Audio Output
22. RR-IN, Rear Right Sound Channel Input

28. FR-IN, Front Right Sound Channel Input
29. BRAKE, Brake-in Cable
30. GND
31. Front Right Audio Output
32. FR-OUT, Front Right Sound Channel Output
33. Front Left Audio Output
34. FL-OUT, Front Left Sound Channel Output
35. Rear Right Audio Output
36. RR-OUT, Rear Right Sound Channel Output
37. Rear Left Audio Output
38. RL-OUT, Rear Left Sound Channel Output
39. ISO Wiring Harness
40. Right Audio Input
41. Left Audio Input
42. KEY1, Steering Wheel Control Key1
43. KEY2, Steering Wheel Control Key2
44. ANT CONT, Automatic Antenna Control

ISO Wiring Harness
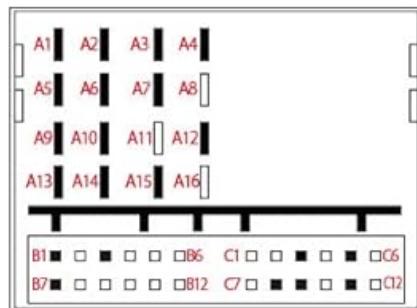
A1: Rear Left Speaker+
A2: Rear Left Speaker-
A3: CANbus+
A4: Amplifier Control Cable
A5: Front Right Speaker+
A6: Front Right Speaker-
A7: CANbus-
A8: /
A9: Front Left Speaker+
A10: Front Left Speaker-
A11: /
A12: B+

A13: Rear Right Speaker+
A14: Rear Right Speaker-
A15: GND
A16: /
B1: Left Audio Input
B3: GND
B7: Right Audio Input
C3: Front Left Audio Output
C5: Rear Left Audio Output
C8: GND
C9: Front Right Audio Output
C11: Rear Right Audio Output
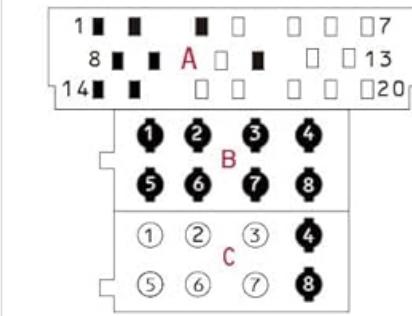
A1: Front Left Audio Output
A2: Rear Left Audio Output
A3: CANbus+
A8: GND
A9: Amplifier Control Cable
A11: CANbus-
A14: Front Right Audio Output
A15: Rear Right Audio Output
B1: Rear Left Speaker+

B2: Front Right Speaker+
B3: Front Left Speaker+
B4: Rear Right Speaker+
B5: Rear Left Speaker-
B6: Front Right Speaker-
B7: Front Left Speaker-
B8: Rear Right Speaker-
C4: B+
C8: GND

Image: Comprehensive wiring diagram for the XTRONS Android 12 Car Radio.

Initial Power-On and Wi-Fi Connection

After installation, power on the unit. To access online features and theme updates, connect the device to a Wi-Fi network.

1. Navigate to the Wi-Fi settings on the unit.
2. Enable Wi-Fi and select your desired network.
3. Enter the password if required and connect.

Your browser does not support the video tag.

Video: Demonstrates how to connect the XTRONS ID series unit to Wi-Fi and refresh themes from the App Store.

OPERATING FEATURES

The XTRONS Android 12 Car Radio offers a range of advanced features to enhance your driving experience.

Image: The main user interface of the XTRONS Android 12 Car Radio.

Performance and Display

- **Android 12 OS:** Features the latest Android 12 operating system for a fast and smooth user experience.
- **Octa-Core CPU:** Equipped with an Octa Core CPU, 4GB RAM, and 64GB ROM for responsive performance.
- **8.8-inch IPS Touch Screen:** A 1280x480 high-definition IPS panel offers a 178° viewing angle, clear visuals, and supports 2K video playback.
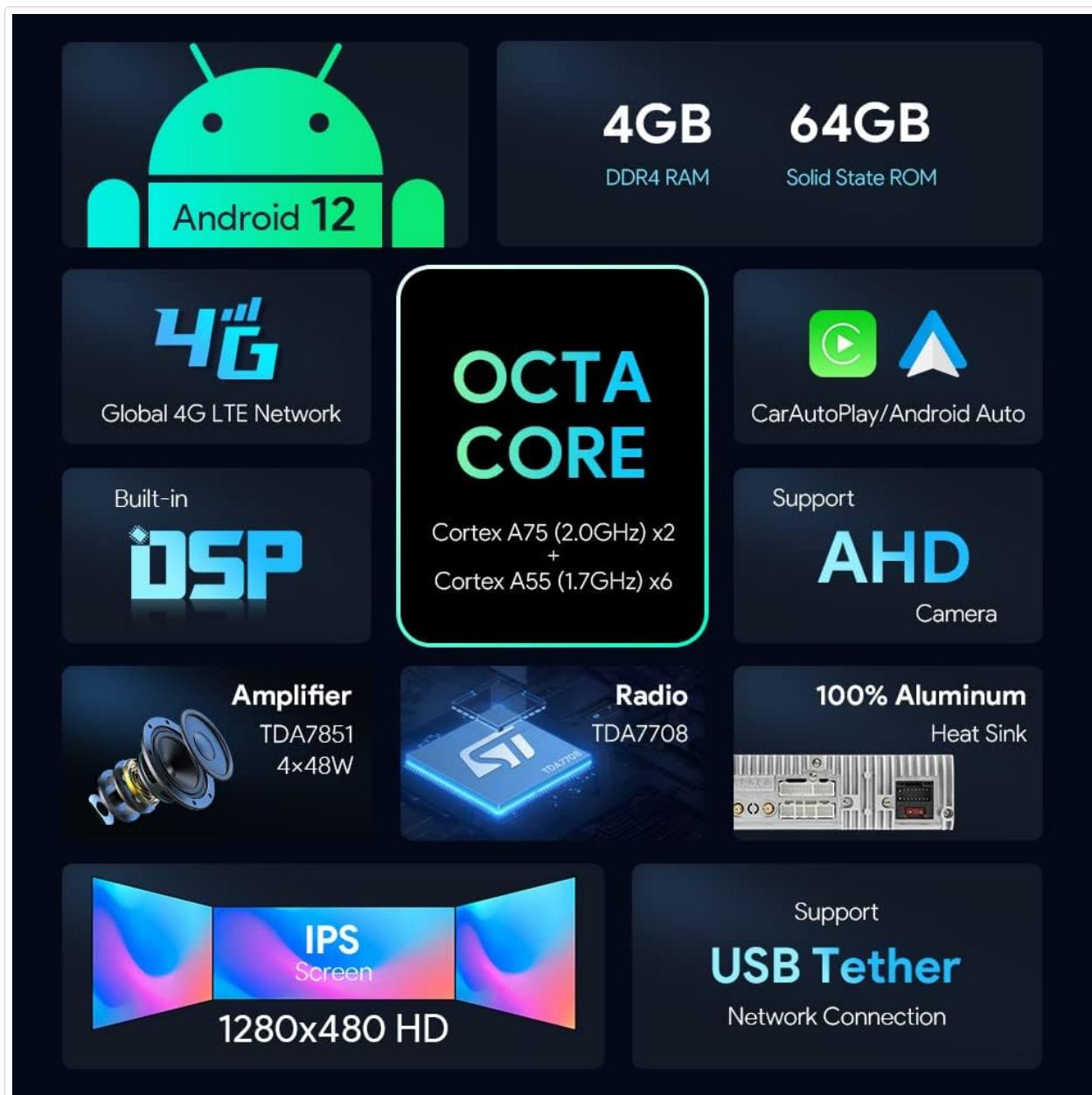
Image: Overview of key features and specifications of the XTRONS Android 12 Car Radio.

Connectivity

- **4G Connectivity:** Supports 99% of worldwide carriers. Insert a Micro-SIM card (not included) for direct mobile broadband access.
- **Dual Band Wi-Fi:** Supports both 2.4GHz and 5GHz bands for faster and more stable internet connection.
- **USB Tethering:** Connect your smartphone via USB to share its mobile internet connection with the unit.
- **Bluetooth 5.0:** Enables hands-free calls, phone book synchronization, call logs, contact search, and audio streaming.

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

Smartphone Integration

- **Wireless CarAutoPlay (Apple CarPlay):** Connect your iPhone wirelessly via Bluetooth to access apps, make calls, and use voice control (Siri).
- **Wired/Wireless Android Auto:** Connect your Android phone wirelessly or via cable to use compatible apps and voice commands (Google Assistant).
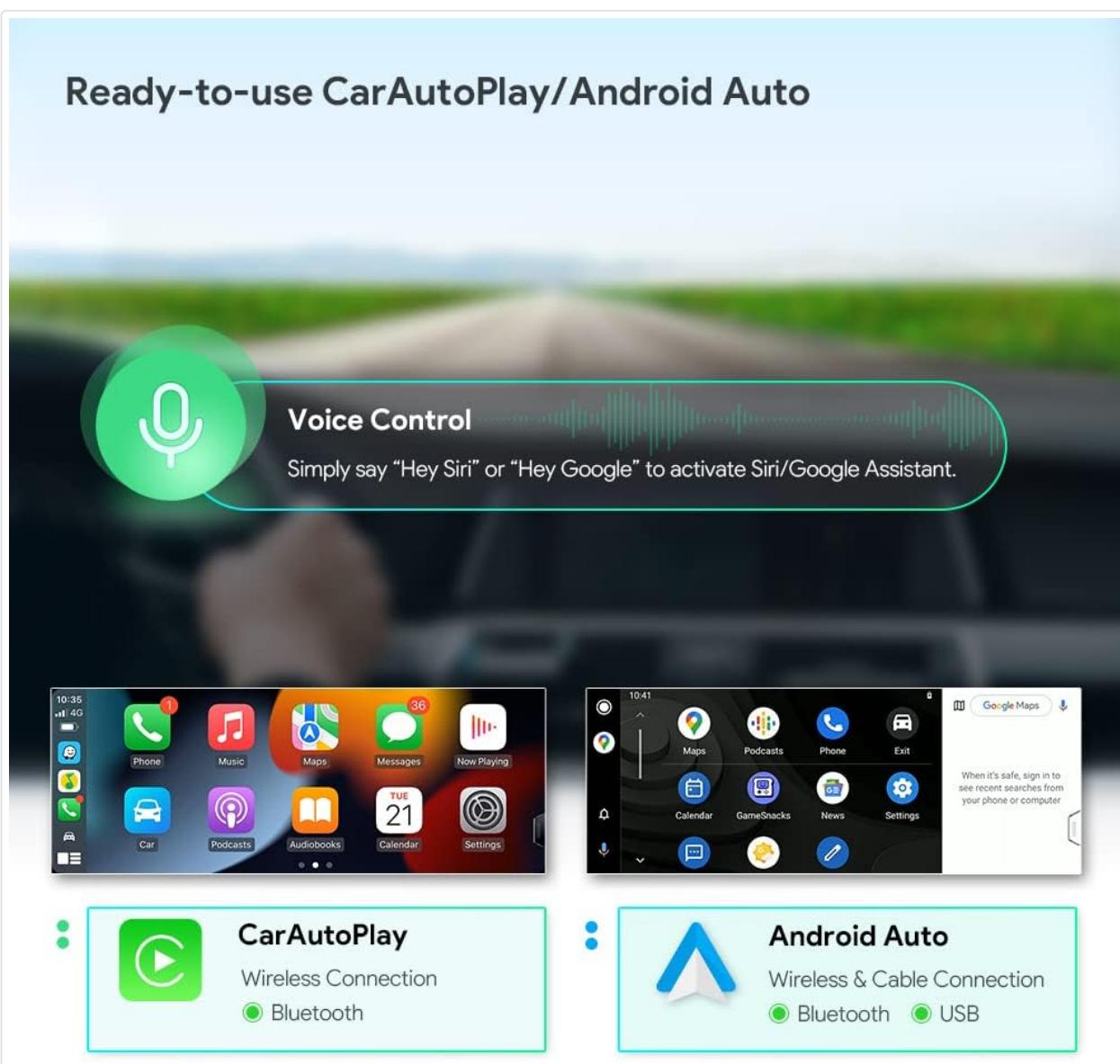
Image: CarAutoPlay and Android Auto interfaces.

Audio and Navigation

- **Built-in DSP (Digital Signal Processor):** Enhances audio quality with features like Smart Bass, Balance, Delay, Equalizer, Loudness, and Filter settings.
- **GPS Navigation:** Supports various Android-compatible navigation software such as Google Maps, Sygic, and Waze.
- **Radio with RDS:** The built-in ST TDA7708 radio chip covers AM/FM bands and provides advanced performance with multipath noise mitigation and RDS decoding.

Built-in DSP
Professional sound quality

Bluetooth 5.0
Hands-free Calls | Audio Streaming |
Phone Book Synchronise

Optimized CANbus Decoding
The optimized CANbus decoding is designed
as a perfect fitting for Audi TT

GPS Navigation
Support navigation software that is
compatible with Android OS

Image: Interfaces for DSP, Bluetooth, CANbus, and GPS Navigation.

User Interface and Multitasking

- **Dual User-friendly UI:** Offers optimized menus and intuitive icons for safe driving.
- **Split Screen:** Run two applications side-by-side, such as navigation on one side and a music player on the other.
- **Picture in Picture (PIP):** Allows a video player to float over other applications, enabling continuous video playback while multitasking.

Your browser does not support the video tag.

Video: Demonstrates various features of the XTRONS Android 12 Car Stereo, including display, 4G connectivity, CarPlay, Android Auto, DSP, Radio, Bluetooth, GPS, USB Tethering, PIP, and Multi-window View.

MAINTENANCE

To ensure the longevity and optimal performance of your XTRONS Android 12 Car Radio, follow these general maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or harsh chemicals.
- **Software Updates:** Periodically check for and install software updates to ensure the system has the

latest features and security patches.

- **Environmental Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Connection Checks:** Occasionally check that all cables and connections are secure, especially after any vehicle maintenance.

TROUBLESHOOTING

If you encounter issues with your XTRONS Android 12 Car Radio, consider the following general troubleshooting steps:

- **No Power:** Check the vehicle's fuse box and ensure all power connections to the unit are secure.
- **No Sound:** Verify speaker connections, check volume levels, and ensure the correct audio source is selected. If using an amplifier, check its power and connections.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase user data).
- **GPS Signal Issues:** Ensure the GPS antenna is correctly installed and has a clear view of the sky.
- **Bluetooth/Wi-Fi Connectivity Problems:** Ensure Bluetooth/Wi-Fi is enabled on both the unit and your device. Try forgetting and re-pairing devices or reconnecting to the network.
- **Software Glitches:** Restarting the unit often resolves minor software issues. Ensure your unit's software is up to date.

For persistent or complex issues, please contact XTRONS technical support.

SPECIFICATIONS

- **Item Model Number:** IA81ATTLH-CA
- **Display Size:** 8.8 inches
- **Voice Command:** Microphone, Touchscreen
- **Operating System:** Android 12
- **CPU:** Octa Core
- **RAM:** 4GB
- **ROM:** 64GB
- **Connectivity Technology:** Bluetooth, Cellular (4G LTE), Wi-Fi (Dual Band 2.4GHz/5GHz)
- **Special Features:** Built-in DSP, Wireless CarAutoPlay, Wired/Wireless Android Auto, Split Screen, Picture in Picture, Optimized CANbus Decoding
- **Map Type:** Worldwide (compatible with Android OS navigation software)
- **Audio Output Mode:** Stereo
- **Mounting Type:** Panel Mount
- **Manufacturer:** XTRONS/ShenZhen KaJunDa Technology Co.Ltd
- **First Available:** July 23, 2020

WARRANTY AND SUPPORT

XTRONS provides a **1-year warranty** for this unit. For technical assistance or warranty claims, please contact XTRONS customer support via Amazon email. They aim to respond promptly to ensure your rights and interests are protected.

OPTIONAL ACCESSORIES

Enhance your XTRONS Android 12 Car Radio experience with these optional accessories:

- **OBD2 Function:** For retrieving real-time data and trouble codes from your vehicle's computer. (Search ASIN: B015MU8UN6 / B08HQ9LQ9X)
- **TPMS Function:** For Tire Pressure Monitoring System. (Search ASIN: B07WQFKV5G / B07DKB4GD2)
- **Front / Reversing Camera:** For improved visibility and parking assistance. (Search ASIN: B07HMLYLJJ / B00GY3BVT6)
- **External DVR:** For dash camera recording. (Search ASIN: B07MBYCG4C / B08MF1ZRJ3)
- **DAB+ Tuner:** For digital audio broadcasting radio.

Related Documents - IA81ATTLH-CA

	[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 TIE Series User Manual](#) User manual for the XTRONS TIE Series car infotainment systems, covering setup, features, troubleshooting, and connectivity options like Bluetooth, CarPlay, Android Auto, and GPS.
	[XTRONS Android Car Stereo User Manual](#) Comprehensive user manual for XTRONS Android car stereos, covering installation precautions, features like Bluetooth, navigation, media playback, settings, and troubleshooting.
	[XTRONS Android Car Stereo User Manual](#) Comprehensive user manual for XTRONS Android car stereos, detailing features like main menu navigation, radio, USB/SD, Bluetooth, screen mirroring, navigation, internet connectivity, optional accessories (OBD2, DVR, DAB+, TPMS), system settings, and troubleshooting.

[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 PE Series Android 11 Car Stereo User Manual](#)

Official user manual for the XTRONS PE Series Android 11 Car Stereo. Covers installation, setup, basic operations, and advanced features including Radio, Navigation, Bluetooth, and more for optimal use.