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› XTRONS Android 13 Octa Core Car Stereo for Lexus IS250 IS300 IS350 User Manual

XTRONS XTRONS Car Stereo

XTRONS Android 13 Octa Core Car Stereo User Manual

Model: XTRONS Car Stereo for Lexus IS250 / IS300 / IS350

1. PRODUCT OVERVIEW

The XTRONS Car Stereo is an advanced in-dash navigation and entertainment system designed for specific Lexus models. It features a 10.1-inch IPS touch screen, Android 13 operating system, Octa Core processor, and integrated functionalities such as GPS navigation, wireless Car Play, Android Auto, DSP, and 4G LTE connectivity.

XTRONS**Octa-core****1280x720
HD Screen**

10.1" Android Navigation Car Stereo



Wireless CarAutoPlay



Wireless Android Auto



Built-in DSP



IPS Display



Dual Band WiFi


Android 13**Custom Fit for Lexus**

Note: This unit does not play discs.


**Global
4G
LTE**

Image 1.1: Front view of the XTRONS 10.1-inch Android Car Stereo.

2. COMPATIBILITY

This unit is compatible with the following vehicle models and years:

- Lexus IS250 / IS300 / IS350 (2006-2012)

Important Notes:

- If your car is an IS200/IS220/IS250/IS300/IS350 Convertible (2-door) (2006-2012) and is equipped with an original navigation or fiber amplifier system, an additional cable (ASIN: B09MTHJ8H8) is required for proper installation.

Applicable Models & Years

For Lexus IS200/IS220/IS250/IS300/IS350 Saloon (4-door) (2006-2012)



Important Notes on Compatibility

- ▶ If your car is a Lexus IS250/IS300/IS350 with a fibre optic amplifier system (featuring a "SETUP" button on the face panel), you will need to order an extra cable to aid the installation.
(XTRONS AK/PSP10ISL/MOST is compatible.)



Image 2.1: Comparison of a Lexus dashboard before and after XTRONS car stereo installation, highlighting compatibility information.

3. KEY FEATURES

- **Display:** 10.1-inch High Definition (1280x720) IPS Panel with 178° viewing angle.
- **Operating System:** Latest Android 13 OS.
- **Processor & Memory:** Octa Core CPU with 2GB RAM and 32GB ROM.
- **Audio:** Built-in DSP (Digital Sound Processor) for enhanced audio experience, Superior Coaxial Audio Output.
- **Smartphone Connectivity:** Built-in Wireless Car Auto Play, Wired Android Auto, Bluetooth 5.0 for calls and voice control.
- **Network:** Global 4G LTE Modem (Micro-SIM card not included) supporting various bands, Dual Band WiFi Module (2.4GHz and 5GHz).
- **Navigation:** Accurate GPS Navigation (requires downloading navigation software from Android app market).
- **Multitasking:** Split Screen function to run two apps simultaneously, Picture in Picture for continuous video playback.

- **Vehicle Integration:** Optimized CANbus Decoding to retain original car features like radio, CD/DVD system, and air conditioning control display.
- **User Interface:** XTRONS Dual UI with customizable themes.



Image 3.1: Overview of the XTRONS IEP Series key features.

4. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 1 × GPS Antenna
- 1 × Camera Cable
- 2 × USB Cable
- 1 × CANbus Cable
- 1 × CANbus Box
- 1 × OBD Cable
- 2 × Installation Kit

- 12 × Screws
- 1 × 4G Antenna
- 1 × User Manual

Size



Accessories



1 x ISO Wiring Harness



1 x RCA Cables



1 x GPS Antenna



1 x Camera Cable



2 x USB Cable



1 x CANbus Cable



1 x CANbus Box



1x OBD Cable



1 x 4G Antenna



2 x Installation Kit



12 x Screw



1 x User Manual

Image 4.1: All accessories included with the XTRONS Car Stereo.

5. INSTALLATION GUIDE

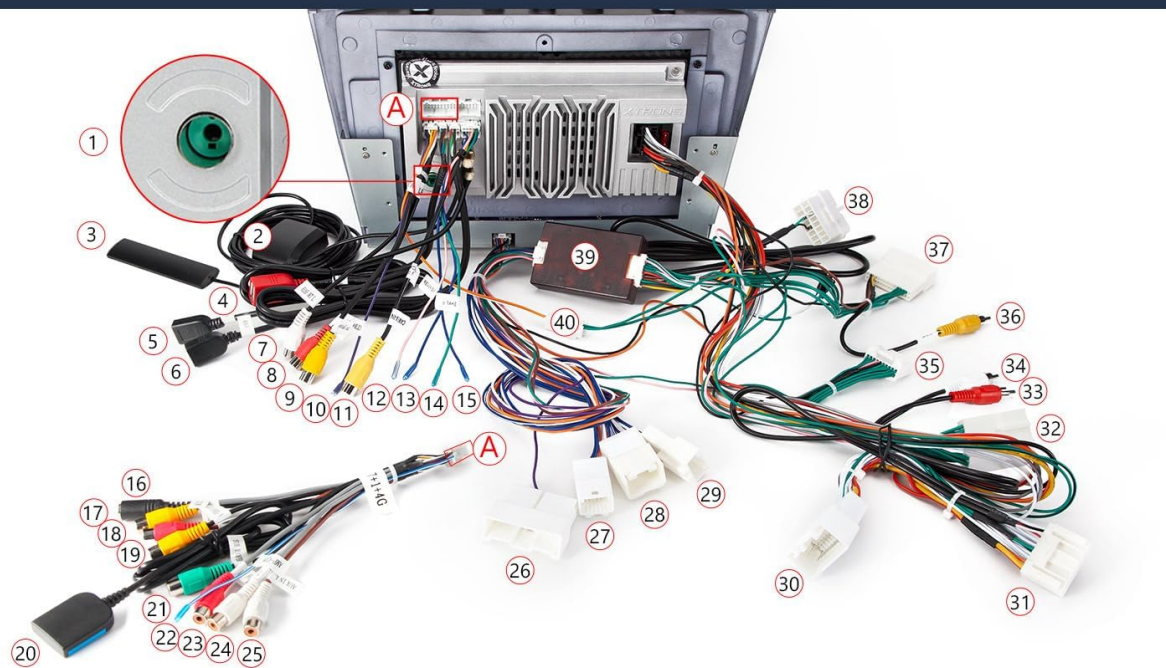
5.1 Pre-installation

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Refer to your vehicle's service manual for instructions on removing the factory head unit and dashboard trim.
- Identify the necessary wiring harnesses and connectors in your vehicle.

5.2 Wiring Connections

Connect the provided ISO wiring harness, RCA cables, GPS antenna, camera cable, USB cables, CANbus cable, and 4G antenna to the corresponding ports on the XTRONS unit and your vehicle's wiring system. Refer to the wiring diagram below for detailed connections.

Wiring Diagram



- | | | |
|---|--|-------------------------------------|
| 1. Radio Antenna Port | 15. Bluetooth Antenna | 29. ISO Wiring Harness 4 |
| 2. GPS Antenna | 16. MIC, External Microphone Port | 30. ISO Wiring Harness 5 |
| 3. 4G Antenna | 17. AUX CVBS IN, Video Input | 31. ISO Wiring Harness 6 |
| 4. mirrorlink, USB Port 1 | 18. AUX INR, need connect with 33 AUX R IN | 32. ISO Wiring Harness 7 |
| 5. USB Port2 | 19. F CAM IN, Front Camera Input | 33. AUX Audio Input Right |
| 6. USB Port3 | 20. 4G SIM Card Slot | 34. AUX Audio Input Left |
| 7. REAR OUT L, Rear Left Audio Output | 21. SUB OUT, Subwoofer Output | 35. ISO Wiring Harness 8 |
| 8. REAR OUT R, Rear Right Audio Output | 22. AMP-CON, Amplifier Control Cable | 36. CAMERA-IN, Reverse Camera Input |
| 9. coaxial out, Coaxial Audio Output | 23. FRONT OUT R, Front Right Audio Output | 37. ISO Wiring Harness 9 |
| 10. F CCD+12V, Front Camera Power Cable | 24. FRONT OUT L, Front Left Audio Output | 38. ISO Wiring Harness 10 |
| 11. CAMERA-IN, Camera Video Input | 25. AUX INL, need connect with 34 AUX L IN | 39. CANbus Box |
| 12. CAM+12V, Reversing Camera ACC | 26. ISO Wiring Harness 1 | 40. CANbus Connection |
| 13. WiFi Antenna | 27. ISO Wiring Harness 2 | |
| 14. BRAKE, Brake In Cable | 28. ISO Wiring Harness 3 | |

Image 5.1: Detailed Wiring Diagram.

Key connections include:

- **1. Radio Antenna Port:** Connects to your vehicle's radio antenna.
- **2. GPS Antenna:** For navigation functionality.
- **3. 4G Antenna:** For 4G LTE connectivity.
- **4. Mirrorlink, USB Port 1:** For smartphone mirroring and USB devices.
- **5. USB Port 2:** Additional USB connection.
- **6. USB Port 3:** Third USB connection.
- **7. REAR OUT L, Rear Left Audio Output:** For external amplifier connections.
- **8. REAR OUT R, Rear Right Audio Output:** For external amplifier connections.
- **9. Coaxial Out, Coaxial Audio Output:** For high-quality audio output.
- **10. F CCD+12V, Front Camera Power Cable:** Power for front camera.
- **11. CAMERA-IN, Camera Video Input:** Video input for front camera.
- **12. CAM+12V, Reversing Camera ACC:** Power for reversing camera.
- **13. WiFi Antenna:** For Wi-Fi connectivity.
- **14. BRAKE, Brake In Cable:** Connects to vehicle's brake signal.
- **15. Bluetooth Antenna:** For Bluetooth connectivity.

- **16. MIC, External Microphone Port:** For external microphone.
- **17. CVBS IN, Video Input:** Composite video input.
- **18. AUX INR, need connect with 33 AUX R IN:** Right auxiliary input.
- **19. F CAM IN, Front Camera Input:** Video input for front camera.
- **20. 4G SIM Card Slot:** Insert Micro-SIM card here.
- **21. SUB OUT, Subwoofer Output:** For external subwoofer.
- **22. AMP-CON, Amplifier Control Cable:** For controlling external amplifiers.
- **23. FRONT OUT R, Front Right Audio Output:** For external amplifier connections.
- **24. FRONT OUT L, Front Left Audio Output:** For external amplifier connections.
- **25. AUX INL, need connect with 34 AUX L IN:** Left auxiliary input.
- **26-37. ISO Wiring Harness 1-10:** Main power and speaker connections.
- **38. ISO Wiring Harness 10:** Additional ISO connection.
- **39. CANbus Box:** Connects to the CANbus cable.
- **40. CANbus Connection:** Connects to the CANbus box.

5.3 CANbus Settings

After installation, access the unit's settings menu to configure the CANbus. Ensure the CANbus settings are correctly set to "Lexus" to ensure all original vehicle functions (A/C controls, car information display) operate correctly with the new head unit.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the 10.1-inch touch screen.
- **Volume Control:** Adjust volume using the physical buttons or on-screen controls.

6.2 Smartphone Connectivity



Image 6.1: Smartphone Connection Options.

- **Wireless Car Play:** Connect your iPhone via Bluetooth for wireless Car Play functionality.
- **Wireless/Wired Android Auto:** Connect your Android phone via Bluetooth for wireless Android Auto or via USB for wired connection.
- **Bluetooth 5.0:** Pair your phone for hands-free calling, contact synchronization, and Bluetooth music streaming.
- **Voice Control:** Use voice commands by saying "Hey Siri" or "Hey Google" to control your phone functions through the head unit.

6.3 Navigation

The unit supports GPS navigation. You will need to download your preferred navigation software from the Android app market as no map card is pre-installed. The GPS antenna ensures accurate location tracking.

6.4 4G LTE and Wi-Fi



Image 6.2: 4G LTE and Dual Band WiFi features.

- **4G LTE:** Insert a Micro-SIM card (not included) into the designated slot to access mobile broadband data.
- **Dual Band WiFi:** Connect to 2.4GHz or 5GHz Wi-Fi networks for internet access. 5GHz offers faster data speeds, while 2.4GHz provides a stronger connection over longer distances.

6.5 Multitasking and DSP



Image 6.3: Dual UI, DSP, and Bluetooth 5.0 features.

- **Split Screen:** Run two applications side-by-side on the screen, for example, navigation on one side and music on the other.
- **Picture in Picture (PiP):** Keep a video playing in a small window while using other applications.
- **DSP Settings:** Access the built-in Digital Sound Processor to customize audio settings, including equalizer, bass, and sound field adjustments.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for and install software updates to ensure optimal performance and access to new features. Updates can typically be found through the unit's settings or the XTRONS official website.
- **Temperature:** Avoid exposing the unit to extreme temperatures, which can affect its performance and lifespan.

8. TROUBLESHOOTING

- **Unit Not Powering On:** Check all power connections, including the ISO wiring harness. Ensure the vehicle's battery is connected and charged.
- **No Sound:** Verify speaker connections. Check audio settings, including DSP and volume levels. Ensure the correct audio source is selected.
- **GPS Not Working:** Ensure the GPS antenna is properly connected and has a clear view of the sky. Confirm that navigation software is installed and configured.
- **Bluetooth/Wi-Fi Connectivity Issues:** Ensure Bluetooth/Wi-Fi is enabled on both the unit and your device. Try restarting both devices. Check for interference from other electronic devices.
- **Original Car Functions Not Working (e.g., A/C display):** Verify that the CANbus cable and box are correctly installed and that the CANbus settings in the unit's menu are set to "Lexus".
- **Lagging Performance:** Close unnecessary background applications. Ensure the unit's software is up to date.
- **Temperature Unit (Celsius/Fahrenheit):** Access the unit's system settings to find and adjust the temperature display unit if available. If not found, consult XTRONS support.

9. SPECIFICATIONS

Feature	Specification
Item Weight	6.49 pounds
Package Dimensions	16.61 x 13.15 x 5.04 inches
Display Size	10.1 Inches
Voice Command	Touchscreen
ASIN	B0B7J74ZTW
Brand	XTRONS
Model Name	XTRONS Car Stereo
Vehicle Service Type	Car
Screen Size	10.1 Inches
Special Feature	Touchscreen
Connectivity Technology	Bluetooth, Cellular, USB, Wi-Fi
Map Type	No Pre-installed Map
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

10. WARRANTY AND SUPPORT

The XTRONS Car Stereo comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

For technical support, warranty claims, or any inquiries regarding your product, please contact XTRONS customer service. You can typically reach support via the Amazon email system for prompt assistance.

11. OPTIONAL ACCESSORIES

Enhance your XTRONS Car Stereo experience with these optional accessories:

- **OBD Function:** Search ASIN: [B015MU8UN6](#) / [B08HQ9LQ9X](#)
- **TPMS Function:** Search ASIN: [B07WQFKV5G](#) / [B07DKB4GD2](#)
- **Front / Reversing Camera:** Search ASIN: [B07HMLYLJJ](#) / [B00GY3BVT6](#)
- **External DVR:** Search ASIN: [B07MBYCG4C](#) / [B08MF1ZRJ3](#)