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› XTRONS PSP10ISL Android 10 Car Stereo User Manual for Lexus IS250, IS300, IS350

XTRONS PSP10ISL

XTRONS PSP10ISL Android 10 Car Stereo User Manual

Model: PSP10ISL | Applicable for Lexus IS250, IS300, IS350 (2006-2012)

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS PSP10ISL Android 10 Car Stereo. Designed specifically for Lexus IS250, IS300, and IS350 models from 2006 to 2012, this head unit enhances your driving experience with advanced features and a user-friendly interface.

Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. KEY FEATURES

- **Android 10.0 OS:** Experience a faster and smoother interface with the latest Android operating system.
- **10.1-inch IPS Touch Screen:** Enjoy a high-definition 1024x600 display with a 2.5D curved capacitive touch screen for sensitive and scratch-resistant interaction.
- **Built-in Wired CarAutoPlay:** Seamlessly integrate your iPhone for navigation, calls, music, and voice assistants.
- **Built-in DSP (Digital Sound Processor):** Customize your audio experience with a 30-band EQ, fader, balance, and digital time delay.
- **Bluetooth 5.0:** Connect your mobile phone for hands-free calls, phonebook access, and Bluetooth

music streaming.

- **GPS Navigation:** Supports various Android navigation software including Google Maps, Waze, Sygic, and IGO.
- **Screen Mirroring:** Display your smartphone's content directly on the car stereo screen.
- **Full RCA Output:** Share all features simultaneously with rear-seat passengers.
- **Dual Zone Function:** Transmit videos to rear monitors while navigating on the head unit.
- **Dual Channel CANbus:** Integrates with vehicle information and steering wheel controls.
- **PIP Mode (Picture-in-Picture):** Watch videos while multitasking (supports built-in video player only).
- **Dual Theme UI:** Choose between two user interface themes.
- **1080P Video Support:** Play high-definition video formats.
- **Thickened Heat Sink:** Efficient heat dissipation for reliable performance.

3. SPECIFICATIONS

| Feature | Detail |
|-----------------------------|---|
| Brand | XTRONS |
| Model Number | PSP10ISL |
| Operating System | Android 10 |
| Processor | Quad Core CPU |
| RAM | 2GB |
| ROM | 32GB |
| Screen Size | 10.1 inches |
| Screen Resolution | 1024x600 HD |
| Screen Type | IPS 2.5D Curved Capacitive Touch Screen |
| Bluetooth Version | 5.0 |
| Connectivity Technology | Bluetooth, Wi-Fi (Built-in), USB, RCA |
| Audio Output Mode | Stereo |
| Supported Internet Services | Maps, YouTube |
| Control Method | Touch |
| Audio Output Type | Speakers |
| Compatible Devices | Smartphone (iPhone for CarAutoPlay) |
| Power Output | 4x50W |

4. SETUP & INSTALLATION

The XTRONS PSP10ISL is designed for a specific fit in Lexus IS250, IS300, and IS350 models (2006-2012). Professional installation is recommended due to the complexity of car stereo wiring and vehicle

integration.

4.1 Package Contents

Before installation, verify that all components are present:

- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 2 × USB Cable
- 1 × Camera Cable
- 1 × CANbus Box
- 1 × GPS Antenna
- 1 × OBD Cable
- 2 × Installation Kit
- 10 × Screws
- 1 × User Manual (this document)

Size



Accessories

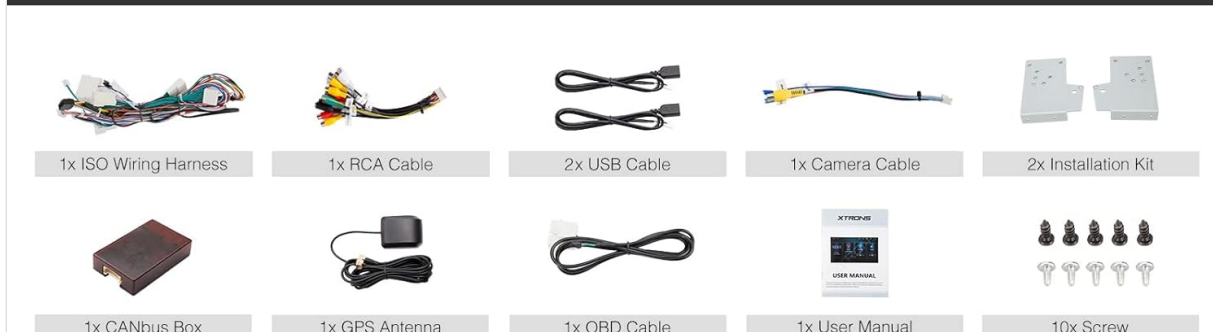
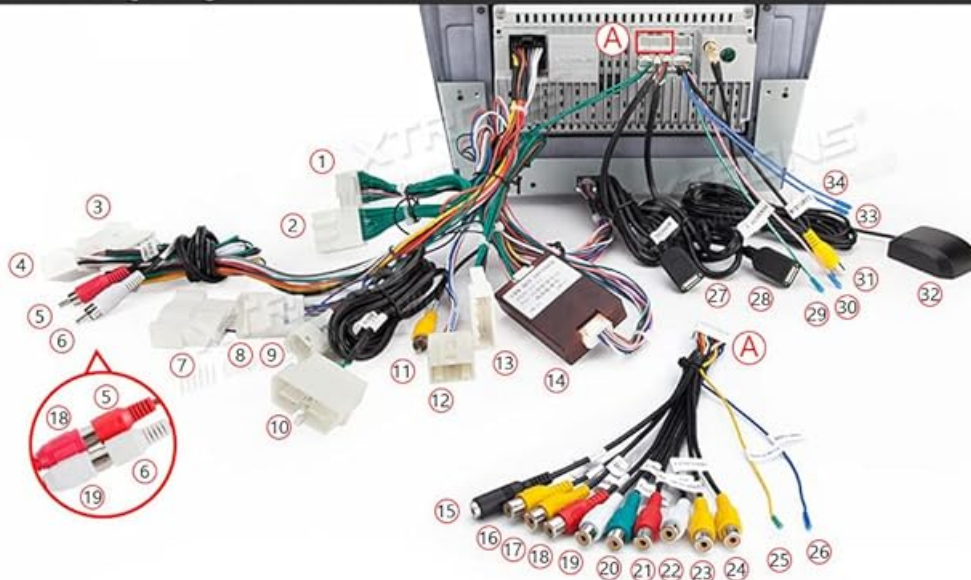


Image: Included accessories for the XTRONS PSP10ISL car stereo. This image displays the ISO wiring harness, RCA cable, USB cables, camera cable, CANbus box, GPS antenna, OBD cable, installation kit, screws, and user manual.

4.2 Wiring Diagram

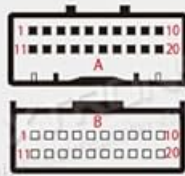
Refer to the detailed wiring diagram for correct connections. Ensure all cables are securely connected to their corresponding ports to avoid malfunctions.

Wiring Diagram



- | | | |
|--------------------------------------|---|--------------------------------------|
| 1. ISO Wiring Harness1 | 13. Connect to Original Monitor Port | 24. F CAM IN, Camera Video Input |
| 2. ISO Wiring Harness2 | 14. CANbus Box | 25. F.CAMPOWER, Camera Power 12V+ |
| 3. ISO Wiring Harness3 | 15. MIC, External Microphone Port | 26. AMP-CON, Amplifier Control Cable |
| 4. ISO Wiring Harness4 | 16. VIDEO OUT 1, Video Output1 | 27. USB Port1 |
| 5. CONNECT FRONT OUT R, Connect to | 17. VIDEO IN, Video Input | 28. USB Port2 |
| 6. CONNECT FRONT OUT L, | 18. AUX IN R, Audio Input Right | 29. BRAKE, Brake In Cable |
| 7. Lights Control Port | 19. AUX IN L, Audio Input Left | 30. REVERSE, Reverse Control Cable |
| 8. Lights Control Port | 20. SUB OUT, Subwoofer Output | 31. CAMERA-IN, Rear Camera Input |
| 9. Lights Control Port | 21. FRONT OUT R, Front Right Sound Channel Output | 32. GPS Antenna |
| 10. OBD Connector | 22. FRONT OUT L, Front Left Sound Channel Output | 33. WiFi Antenna |
| 11. CAM VIDEO IN, Camera Video Input | 23. VIDEO OUT 2, Video Output2 | 34. Bluetooth Antenna |
| 12. Connect to Original Monitor Port | | |

ISO Wiring Harness



- A1 & B11: Original Car Signal
- A2 & B12: Original Car Signal
- A3 & B13: Original Car Signal
- A4 & B14: Original Car Signal
- A5 & B15: Audio Input Right
- A6 & B16: GND
- A7 & B17: Audio Input Left
- A8 & B18: GND
- A9 & B19: Audio Detect
- A10 & B20: Original Car Signal

- A11 & B1: Original Car Signal
- A12 & B2: Original Car Signal
- A13 & B3: Original Car Signal
- A14 & B4: Original Car Signal
- A15 & B5: Original Car Signal
- A16 & B6: GND
- A17 & A18: Connect to CANbus 20pin
- B7 & B8: Connect to CANbus 16pin
- A19 & B9: IEBUS
- A20 & B11: IEBUS



- C1 & D10: Original Car Signal
- C2: Front Left Speaker+
- C3: Front Right Speaker+
- C4 & D7: MUTE
- C5 & D6: Original Car Signal
- C6 & D5: IE BUS(Connect CANbus 20pin)
- C7 & D4: Original Car Signal
- C8 & D3: Original Car Signal
- C9 & D2: Illumination(Connect to ISO Cable)
- C10 & D1: B+(Connect to ISO Cable)
- C11 & D20: GND
- C12: Front Left Speaker-

- C13: Front Right Speaker-
- C14 & D17: Original Car Signal
- C15 & D16: Original Car Signal
- C16 & D15: IE BUS(Connect CANbus 20pin)
- C17 & D14: Original Car Signal
- C18 & D13: Automatic Antenna
- C19 & D12: Original Car Signal
- C20 & D11: ACC(Connect to ISO Cable)
- D18 & D19: NULL
- D9: Front Left Output
- D8: Front Right Output



- E3: PSG-BELT-LED, Seat Belt LED
- E4: AIR BAG OFF LED
- E6: Seat Belt ACC

- E7: Emergency Light LED
- E13: AIR BAG ON LED



- F1: Camera GND
- F2: Camera ACC(Connect CANbus 20pin)
- F11: IEBUS+(Connect CANbus 20pin)
- F12: IEBUS-(Connect CANbus 20pin)
- F15: Camera GND

- F16: Camera Video
- F25: IEBUS+(Connect CANbus 20pin)
- F26: IEBUS-(Connect CANbus 20pin)
- F27: IEBUS+(Connect CANbus 20pin)
- F28: IEBUS-(Connect CANbus 20pin)



Image: Comprehensive wiring diagram for the XTRONS PSP10ISL car stereo, showing connections for power, speakers, USB, camera, and other peripherals.

4.3 Compatibility Notes

This unit is compatible with Lexus IS200/IS220/IS250/IS300/IS350 Convertible (2-door) models from 2006-2012. If your car has an original navigation or fiber amplifier system, an extra cable (XTRONS AK/PSP10ISL/MOST) may be required for installation.

After Installation

Before



After

VS



Support Original Vehicle Function and Display Original Vehicle Information:

- ✓ Radio
- ✓ Air Conditioning Control
- ✓ Reversing Camera
- ✓ CD/DVD System
- ✓ Emergency Light
- ✓ Door Status
- ✓ Amplifier System

Important Notes on Compatibility

- ▶ If your car is Lexus IS200/IS220/IS250/IS300/IS350 Convertible(2-door) (2006-2012) and the car comes with original navigation or fibre amplifier system, you need to order an extra cable to aid for the installation. (XTRONS AK/PSP10ISL/MOST is compatible.)



Image: A side-by-side comparison showing the car's dashboard before and after the installation of the XTRONS PSP10ISL car stereo, highlighting the integrated look and larger screen.

5. OPERATING INSTRUCTIONS

5.1 Basic Navigation

The unit features a 10.1-inch IPS touch screen. Tap icons to open applications. Swipe left or right to access additional screens or menus.

5.2 Bluetooth 5.0

To connect your mobile phone via Bluetooth:

1. Tap the "Bluetooth" icon on the home screen.
2. Ensure Bluetooth is enabled on your mobile device.
3. Search for "DEV:XTRONS" in your phone's Bluetooth settings and pair.
4. Once connected, you can make/receive hands-free calls, access your phone book, call logs, and stream Bluetooth music.

The image is a promotional graphic for the XTRONS PSP10ISL car stereo. It is divided into two main sections: 'Special Features' and 'Technical Information'. The 'Special Features' section contains six circular icons, each with a corresponding feature name below it: 1. '2.5D Large Screen' with an 'IPS' icon and a close-up of the screen. 2. 'Built-in Wired CarAutoPlay' with a play button icon and a hand holding a phone connected to the stereo. 3. 'Built-in DSP' with a 'DSP' icon and a graphic of sound waves. 4. 'PIP Mode Enabled' with a PIP icon and a smaller screen overlaid on the main screen. 5. 'Full RCA Output' with an RCA icon and a separate RCA output device. 6. 'Dual Theme' with a theme icon and two different screen themes. The 'Technical Information' section is located in a dark blue box at the bottom and lists: 'Quad Core Processor' (with a processor icon), '2GB RAM (DDR3), 32GB ROM (SSD)' (with a RAM icon), and a list of features: 'Android 10 | Support 1080p Video | 4x50watt Output | Bluetooth 5.0 | Hotspot/Wi-Fi Connection | GPS Navigation | Steering Wheel Control | USB' (with a link icon).

Special Features

- 2.5D Large Screen
- Built-in Wired CarAutoPlay
- Built-in DSP
- PIP Mode Enabled
- Full RCA Output
- Dual Theme

Technical Information

- Quad Core Processor
- 2GB RAM (DDR3), 32GB ROM (SSD)
- Android 10 | Support 1080p Video | 4x50watt Output | Bluetooth 5.0 | Hotspot/Wi-Fi Connection | GPS Navigation | Steering Wheel Control | USB

Image: An overview of the XTRONS PSP10ISL's special features, including 2.5D large screen, built-in wired CarAutoPlay, built-in DSP, PIP mode, full RCA output, and dual theme options.

5.3 GPS Navigation

The unit supports various Android navigation software. Tap the "Maps" or your preferred navigation app icon to start. Ensure the GPS antenna is properly installed for optimal signal reception.

5.4 Built-in Wired CarAutoPlay

Connect your iPhone to the designated USB port (often labeled "mirrorlink" or similar) using a compatible iPhone cable. This allows you to safely access GPS, calls, music, Google Assistant, or Siri directly from the car stereo screen.

Built-in Wired CarAutoPlay



Note: Please connect your phone to "mirrorlink" tagged USB port.

Bluetooth 5.0



Screen Mirroring



Image: The XTRONS PSP10ISL displaying the CarAutoPlay interface, with a smartphone connected via USB, demonstrating seamless integration for navigation, music, and calls.

5.5 Built-in DSP (Digital Sound Processor)

Access the DSP settings to fine-tune your audio. You can adjust the 30-band equalizer, fader, balance, and digital time delay to optimize sound quality for your vehicle's interior.



Image: The XTRONS PSP10ISL screen showing the Digital Sound Processor (DSP) interface with options for 30-band EQ, fader and balance, and digital time delay adjustments.

5.6 Screen Mirroring

This feature allows you to mirror your smartphone's screen onto the head unit. Follow the on-screen instructions within the "PhoneLink" or "Screen Mirroring" app to establish a connection.

5.7 PIP Mode (Picture-in-Picture)

When playing a video using the built-in video player, you can enable PIP mode by tapping the down arrow on the screen. This allows the video to float over other applications, enabling multitasking.

Great Video Experience on the Road

Full HD
1080P

Support 1080P Video



PIP Mode Enabled



Note: The PIP(Picture-in-Picture) mode supports the built-in video player ONLY. You can click the down arrow on the screen to turn on PIP when playing a video.

Image: The XTRONS PSP10ISL screen demonstrating Picture-in-Picture (PIP) mode, where a video is playing in a smaller window while a navigation app is active in the background.

5.8 Dual Theme UI

Customize the look of your user interface by selecting one of the two available themes. Navigate to the settings menu to switch themes.

Choose the UI Theme that Suits Your Style Best



Thickened Heat Sink Efficient Heat Dissipation



Image: The XTRONS PSP10ISL displaying two different user interface themes, showing how users can customize the visual appearance of the system.

5.9 Optional Accessories

Enhance your experience with optional accessories:

- **OBD2:** Connect an OBD2 adapter (e.g., ASIN: B015MU8UN6 / B08HQ9LQ9X) for real-time vehicle diagnostics.
- **TPMS:** Integrate a TPMS system (e.g., ASIN: B07WQFKV5G) for tire pressure monitoring.
- **Cameras:** Add front or reversing cameras (e.g., ASIN: B07HMLYLJJ / B00GY3BVT6) for improved safety.
- **External DVR:** Connect an external DVR (e.g., ASIN: B07MBYCG4C / B08ZN33K1M) for driving recording.

6. MAINTENANCE

To ensure the longevity and optimal performance of your XTRONS PSP10ISL car stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for software updates from XTRONS to ensure you have the latest features and bug fixes. Follow the instructions provided with the update package carefully.
- **Avoid Extreme Temperatures:** While the unit is designed for automotive environments, prolonged exposure to extreme heat or cold can affect performance.
- **Cable Connections:** Regularly check all cable connections to ensure they are secure and free from damage. Loose connections can lead to intermittent issues.
- **Ventilation:** Ensure the unit's ventilation areas are not blocked to allow for proper heat dissipation.

7. TROUBLESHOOTING

If you encounter issues with your XTRONS PSP10ISL, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------------------------------------|---|--|
| Unit does not power on. | Loose power connection, blown fuse, vehicle battery issue. | Check power cables and fuse. Ensure vehicle battery is charged. Consult a professional installer if issues persist. |
| No sound from speakers. | Incorrect speaker wiring, volume too low, mute activated, DSP settings. | Verify speaker connections. Increase volume. Check if mute is active. Adjust DSP settings. |
| GPS signal is weak or inaccurate. | GPS antenna not properly installed or obstructed. | Ensure GPS antenna is placed in a clear location with an unobstructed view of the sky. Check antenna connection. |
| Bluetooth connection issues. | Device not discoverable, incorrect pairing, interference. | Ensure Bluetooth is enabled on both devices and the unit is in pairing mode. Try unpairing and re-pairing. Move closer to the unit. |
| CarAutoPlay not connecting. | Faulty USB cable, incorrect USB port, phone software issue. | Use a high-quality, original USB cable. Ensure you are using the correct USB port. Restart your phone and the head unit. |
| Touch screen unresponsive or lagging. | Temporary software glitch, excessive background apps. | Restart the unit. Close unnecessary background applications. Perform a factory reset if the issue persists (note: this will erase all data). |

If the problem persists after trying these solutions, please contact XTRONS customer support or a qualified technician.

8. WARRANTY INFORMATION

XTRONS products are covered by a limited warranty. The specific terms and duration of your warranty may vary based on your region and point of purchase. Please retain your proof of purchase for warranty claims. For detailed warranty information, please refer to the warranty card included with your product or visit the official XTRONS website.

9. CUSTOMER SUPPORT

For technical assistance, product inquiries, or service requests, please contact XTRONS customer support through the following channels:

- **Website:** Visit the official XTRONS website for FAQs, support articles, and contact forms.
- **Email:** Refer to your product packaging or the XTRONS website for the appropriate support email address.
- **Phone:** Check the XTRONS website for regional customer service phone numbers.

When contacting support, please have your product model number (PSP10ISL) and proof of purchase readily available.

10. PRODUCT VIDEO DEMONSTRATION

Your browser does not support the video tag.

Video: Official XTRONS demonstration of the Android 10 Car Stereo (PSP10ISL) for Lexus IS models, showcasing its features, interface, and functionality.