

XTRONS IA7250FLBS

XTRONS Single Din Car Stereo User Manual

Brand: XTRONS | Model: IA7250FLBS

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your XTRONS Single Din Car Stereo. This advanced car head unit features Android 13 OS, an Octa Core processor, 4GB RAM, 64GB ROM, a 7-inch IPS touch screen, GPS navigation, DSP, Wireless CarPlay, Android Auto, and 4G LTE connectivity. It is specifically designed for Fiat 500 models (2007-2015).



Figure 1.1: XTRONS Single Din Car Stereo main unit.

2. SPECIFICATIONS

Feature	Detail
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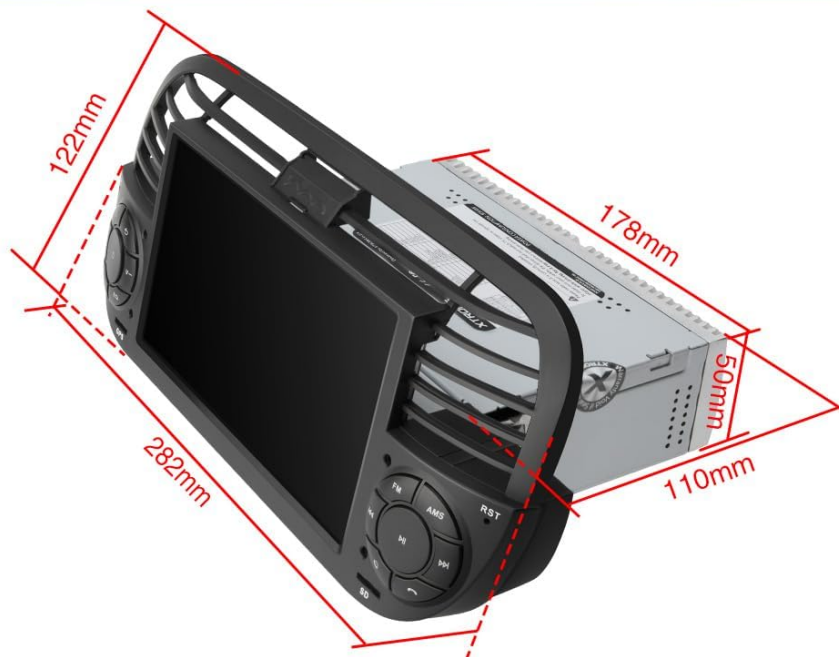
Operating System	Android 13
Processor	Octa Core (2x Cortex-A75 + 6x Cortex-A55)
RAM	4GB DDR4
ROM	64GB SSD
Display Size	7 Inches
Resolution	1024 x 600 HD
Connectivity	4G LTE, Dual-Band Wi-Fi, Bluetooth 5.0
Audio Output Mode	Stereo (Built-in DSP, TDA7851 Amplifier Chip)
Radio	TDA7708 with RDS Technology
Mounting Type	Dashboard Mount
Compatibility	Fiat 500 (2007-2015)

3. WHAT'S IN THE BOX

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

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

Size



Accessories



1 x ISO Wiring Harness



1 x RCA Cable



2 x USB Cable



1 x GPS Antenna



1 x CANbus Cable



1 x Camera Cable



1 x Radio Antenna Cable



1 x Radio Cable Adapter



1 x CANbus Box



1 x 4G Antenna



1 x User Manual

Figure 3.1: All accessories included with the XTRONS car stereo.

4. INSTALLATION

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation. Refer to your vehicle's specific service manual for dashboard removal procedures.

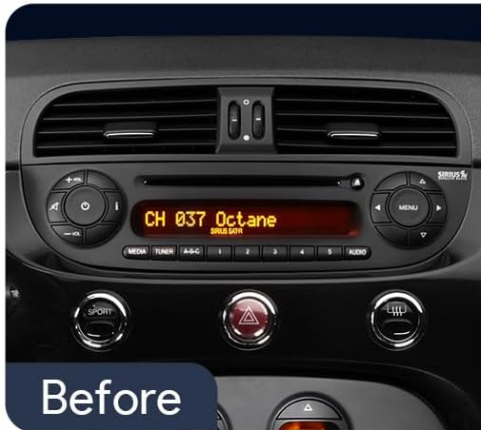
4.1 Vehicle Compatibility

This unit is designed for Fiat 500 models manufactured between 2007 and 2015. Please verify your vehicle's compatibility before proceeding.

Applicable Models & Years

For Fiat

For Fiat 500 (2007-2015)



Important Notes on Compatibility

If your car has a factory-installed big screen like the picture shows, this unit can **NOT** fit with your car. Please refer to **XTRONS ICE/HU/IA72500FLS**.

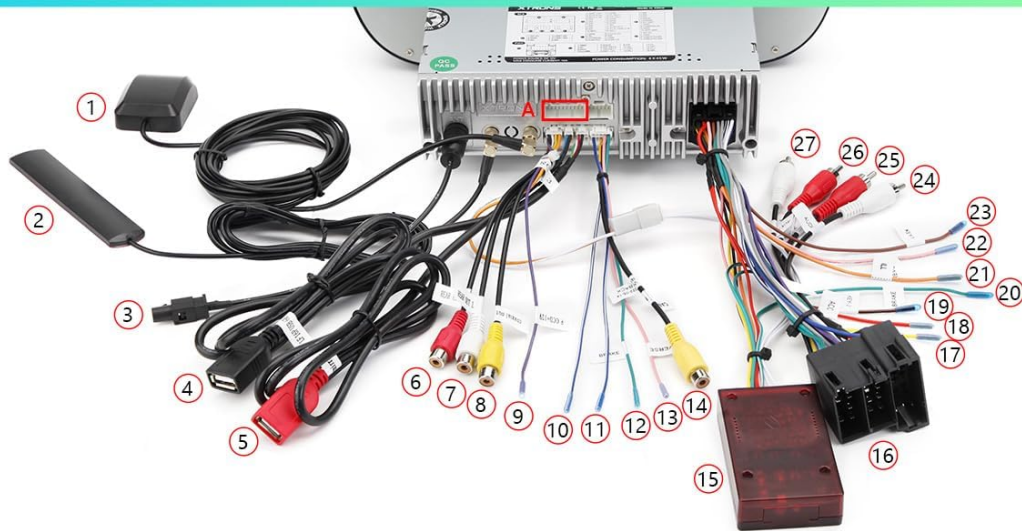


Figure 4.1: Applicable models and important compatibility notes. This unit is not compatible with Fiat 500 models that have a factory-installed large screen.

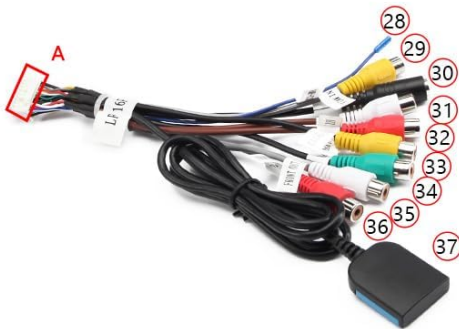
4.2 Wiring Diagram

Carefully follow the wiring diagram to ensure correct connections. Incorrect wiring can damage the unit or vehicle electronics.

Wiring Diagram



- | | | |
|--|--------------------------------------|---|
| 1. GPS Antenna | 10. WiFi Antenna | 19. KEY-2, Steering Wheel Control Key 2 |
| 2. 4G Antenna | 11. Bluetooth Antenna | 20. BRAKE, Brake In Cable |
| 3. Original Radio Antenna | 12. BRAKE, Brake In Cable | 21. ILL, Illumination Cable |
| 4. USB Port 1 | 13. CAM+12V, Rear Camera Power Cable | 22. REVERSE, Reverse Control Cable |
| 5. USB Port 2 | 14. CAMERA-IN, Camera Input | 23. KEY-1, Steering Wheel Control Key 1 |
| 6. REAR OUT R, Rear Right Audio Output | 15. CANbus Decoding Box | 24. AUX IN L, AUX Audio Input Left |
| 7. REAR OUT L, Rear Left Audio Output | 16. ISO Wiring Harness | 25. AUX IN R, AUX Audio Input Right |
| 8. coaxial out, Coaxial Audio Output | 17. B+ | 26. AUDIO R, Audio Input Right |
| 9. F CAM IN, Front Camera Video Input | 18. ACC | 27. AUDIO L, Audio Input Left |



- | | |
|---|----------------------------------|
| 28. AMP-CON, Amplifier Control Cable | 33. VIDEO IN, Video Input |
| 29. VIDEO OUT 1, Not Available | 34. SUB WOOFER, Subwoofer Output |
| 30. MIC, Microphone Port | 35. AUX IN L, Audio Input Left |
| 31. FRONT OUT L, Front Left Audio Output | 36. AUX IN R, Audio Input Right |
| 32. FRONT OUT R, Front Right Audio Output | 37. 4G SIM Card Slot |

Figure 4.2: Comprehensive wiring diagram showing connections for GPS antenna, 4G antenna, USB ports, camera input, audio outputs, CANbus, and power.

Key Wiring Connections:

- **GPS Antenna:** Connect for navigation functionality.
- **4G Antenna:** Connect for mobile data connectivity.
- **USB Ports:** For external devices and wired smartphone connections.
- **Camera Input:** For connecting a reverse camera (AHD camera supported).
- **CANbus Box:** Essential for integrating with vehicle's steering wheel controls and displaying vehicle information.
- **Power Connections:** Ensure correct B+ (constant power), ACC (switched power), and GND (ground) connections.

5. INITIAL SETUP AND CONNECTIVITY

After successful installation, power on the unit. The system will boot into the Android 13 operating system. Follow the on-screen prompts for initial setup, including language selection and time zone.

5.1 Network Connectivity (4G LTE & Wi-Fi)

The unit supports integrated 4G LTE connectivity. Insert a Micro-SIM network card into the designated slot to enable mobile broadband. For Wi-Fi, navigate to the settings menu to connect to available Wi-Fi networks. USB tethering from your smartphone is also supported.



Figure 5.1: Overview of global 4G LTE, dual-band Wi-Fi, and mobile network sharing via USB tethering. Supports 99% of carriers worldwide (check supported bands).

5.2 Customizing UI Themes

Personalize your experience by changing the user interface (UI) themes. Access the theme settings through the main menu to select from various optimized and intuitive icon sets.

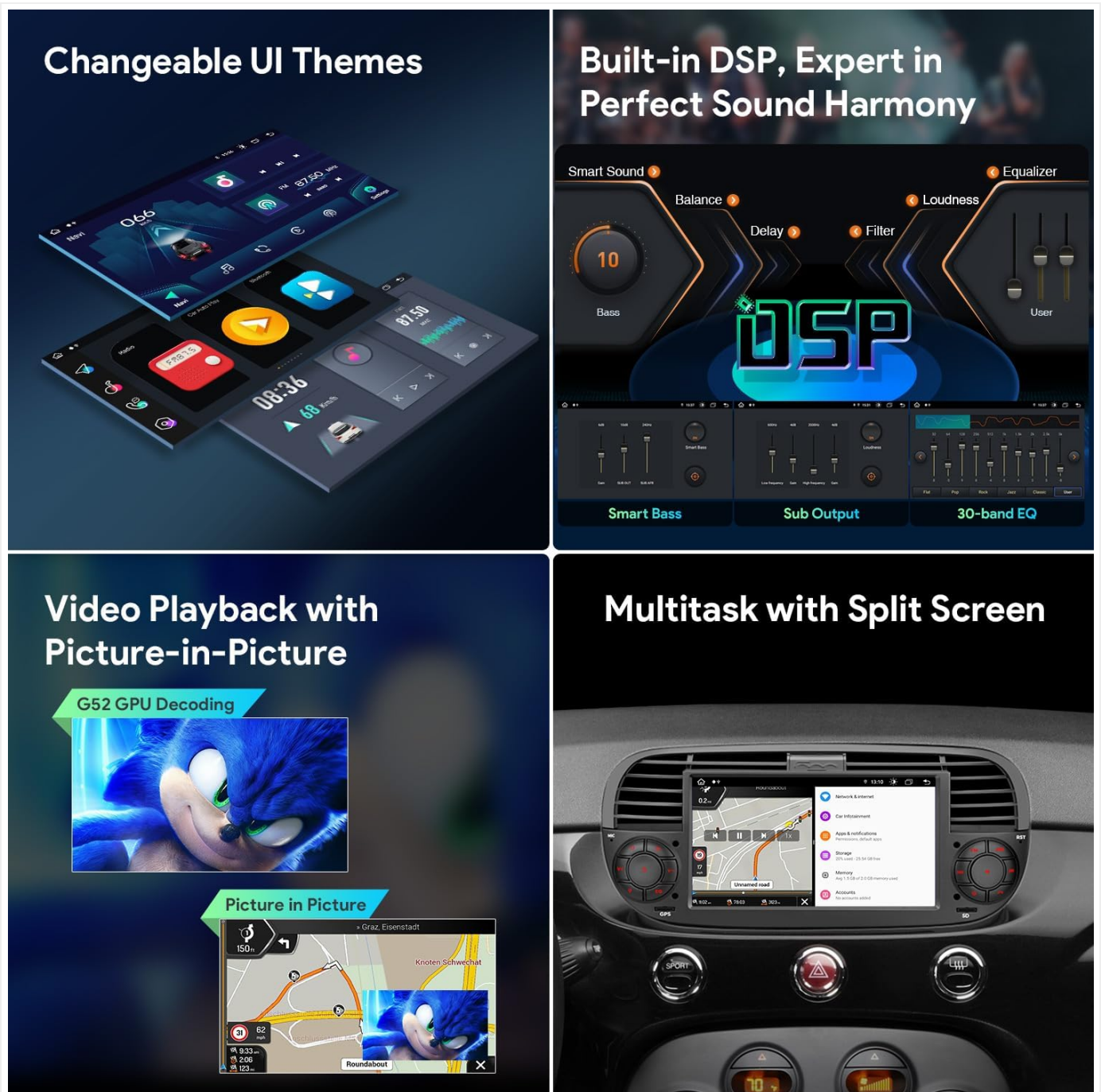


Figure 5.2: Demonstrates changeable UI themes, built-in DSP, video playback with Picture-in-Picture, and multitasking with split screen.

6. OPERATING THE CAR STEREO

6.1 Smartphone Integration (CarPlay & Android Auto)

The unit supports both Wireless CarPlay and Wireless/Wired Android Auto. Connect your iPhone via Bluetooth or cable for CarPlay, or your Android phone via cable for Android Auto. This allows safe access to navigation, music, calls, and messages directly from the head unit. Voice commands (Siri or Google Assistant) are fully supported.

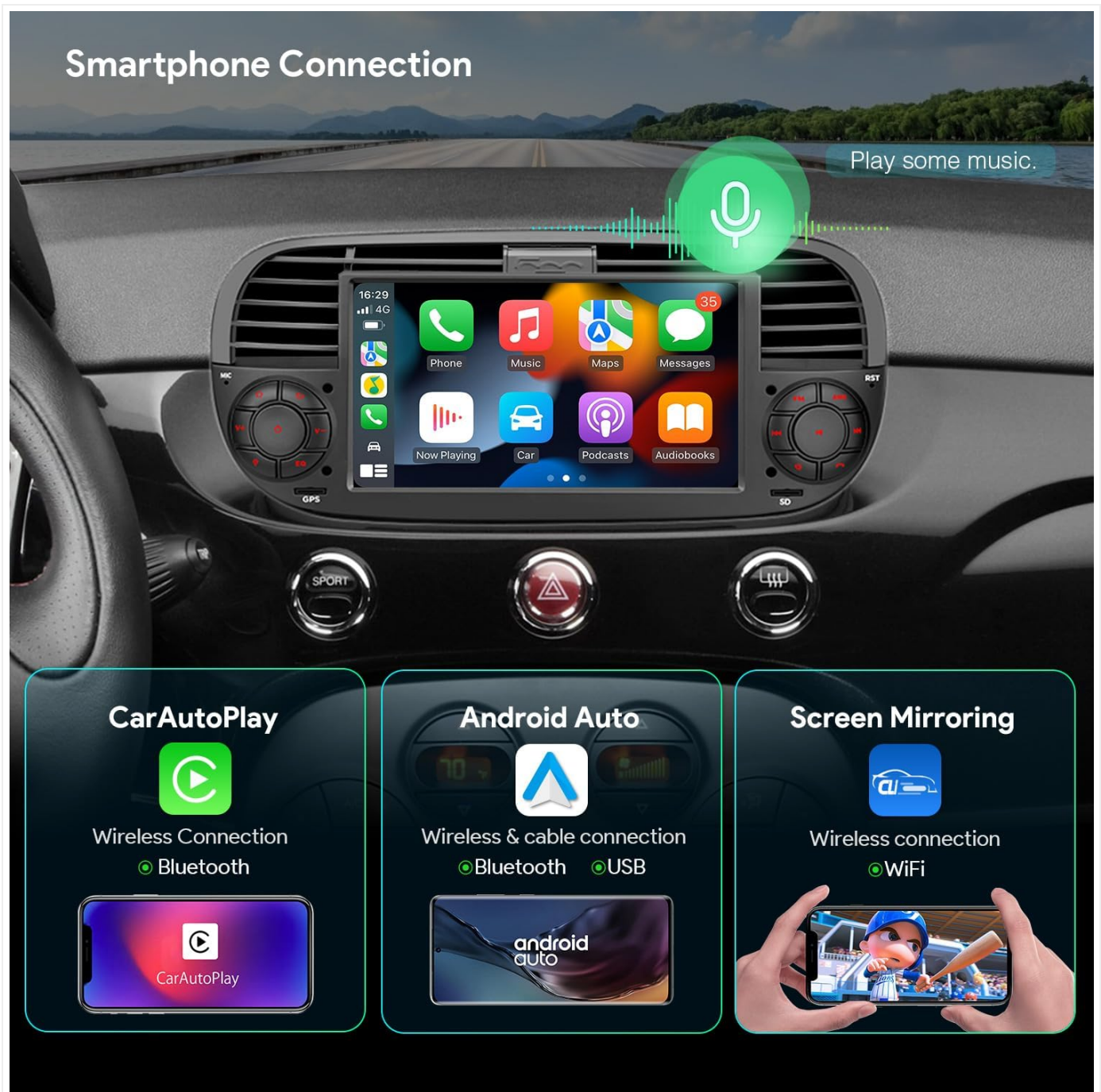


Figure 6.1: Illustrates CarAutoPlay (Wireless Connection via Bluetooth), Android Auto (Wireless & Cable connection via Bluetooth/USB), and Screen Mirroring (Wireless connection via Wi-Fi).

6.2 Digital Sound Processor (DSP)

Utilize the built-in Digital Sound Processor (DSP) to fine-tune your audio experience. The DSP offers various equalization settings, sound field adjustments, and bass/subwoofer controls to optimize sound quality.

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Video 6.1: This video demonstrates various features of the XTRONS 7 Inch Car Stereo, including the responsive touch screen, changeable UI themes, CarPlay, Android Auto, screen mirroring, and the built-in DSP for enhanced audio quality.

6.3 Video Playback and Multitasking

The 7-inch IPS screen supports 2K video playback. The unit also features Picture-in-Picture (PiP) mode for video and a split-screen function, allowing you to run two applications simultaneously, such as navigation and music playback.

7. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the unit to extreme temperatures. The unit is designed to operate between -20°C and 80°C.
- **Software Updates:** Periodically check for software updates from the XTRONS official website to ensure the best performance and access to new features.
- **Heat Dissipation:** Ensure proper ventilation around the unit to prevent overheating, especially during prolonged use. The unit features a 100% aluminum heat sink for efficient cooling.

8. TROUBLESHOOTING

This section addresses common issues you might encounter. If the problem persists, contact XTRONS customer support.

- **Unit Does Not Power On:**
 - Check all power connections (B+, ACC, GND) as per the wiring diagram.
 - Ensure the vehicle's fuse related to the stereo is not blown.
- **No Sound Output:**
 - Verify speaker wiring connections.
 - Check volume levels and DSP settings.
 - Ensure the correct audio source is selected.
- **Flashing Odometer (Fiat 500 Specific):**
 - This is a known issue with some Fiat 500 models after head unit replacement.
 - Access the "Car Info" button on the main menu. There should be an app with configuration options.
 - Try different options (e.g., Option #2 as reported by some users) to resolve the flashing odometer.
 - Ensure the CANbus connection is secure.
- **CarPlay/Android Auto Not Connecting:**
 - For wireless connections, ensure Bluetooth and Wi-Fi are enabled on both the unit and your smartphone.
 - For wired connections, try a different USB cable.
 - Restart both the car stereo and your smartphone.
- **GPS Signal Issues:**
 - Ensure the GPS antenna is properly connected and placed in a location with a clear view of the sky.

9. WARRANTY AND SUPPORT

XTRONS provides a **1-year warranty** for this unit, covering manufacturing defects and malfunctions under normal use. For technical support, warranty claims, or any inquiries, please contact XTRONS customer service through the platform where you purchased the product (e.g., Amazon email).

XTRONS is committed to providing professional technical support and ensuring customer satisfaction.