XTRONS IA7250FLCS

XTRONS Single Din Car Stereo User Manual

Model: IA7250FLCS

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your XTRONS Single Din Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

Product Overview

The XTRONS Single Din Car Stereo is an advanced in-car entertainment and navigation system designed specifically for Fiat 500 vehicles. Running on Android 13 with an Octa Core processor, 4GB RAM, and 64GB ROM, it offers a fast and responsive user experience. Key features include a 7-inch IPS touch screen, built-in GPS navigation, Digital Sound Processor (DSP), Wireless Car Play, Wireless/Wired Android Auto, and integrated 4G LTE connectivity.



Figure 1.1: XTRONS Single Din Car Stereo (Cream)

Key Features

- **Fast & Responsive Android Car Stereo:** Latest Android 13 system with Octa Core CPU, 4GB DDR4 RAM & 64GB SSD ROM for a smooth experience.
- **Integrated 4G Solution:** Supports Micro-SIM network card for mobile broadband connection (Bands: 1,

2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 42).

- **Built-in Wireless Car Play & Wireless/Wired Android Auto:** Access mobile apps safely with voice commands (Siri/Google Assistant).
- **7-inch Backlit Digital Multi-Touch Car Screen:** 1024x600 high resolution IPS display supporting up to 2K format video playback.
- **Built-in DSP:** Enhances audio quality with advanced sound processing.
- **Radio with RDS:** State-of-the-art radio performance with multipath noise mitigation.
- **Dual Band WiFi:** Supports both 2.4GHz and 5GHz bands for faster speed and flexibility.
- **Bluetooth 5.0:** For hands-free calls, phone book sync, music streaming, and call logs.
- **GPS Navigation:** Supports various Android navigation software including Sygic, IGO, Waze, and Google Maps.
- **Multitasking:** Picture-in-Picture (PIP) mode and multi-window view for running two apps side-by-side.
- **Optional Accessories Support:** Compatible with DAB+ Tuner and OBD2 devices (sold separately).

Package Contents

The following items are included in your product 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



Figure 1.2: Included Accessories

Compatibility

This car stereo is specifically designed for Fiat 500 models manufactured between 2007 and 2015. Please ensure your vehicle's dashboard matches the 'After' image below for proper fitment.



Figure 1.3: Applicable Models & Years (Fiat 500 2007-2015)

Important Note on Compatibility:

If your car has a factory-installed big screen as shown in the image, this unit wil**NOT** fit. Please refer to XTRONS ICE/HU/IA72500FLS for compatible models.

2. Setup and Installation

Professional installation is recommended for this product. Ensure the vehicle's battery is disconnected before beginning installation.

Wiring Diagram

Refer to the detailed wiring diagram below for correct connections of power, speakers, accessories, and external devices. Each connection point is numbered for clarity.



Figure 2.1: Wiring Diagram

1. GPS Antenna
2. 4G Antenna
3. Original Radio Antenna
4. USB Port 1
5. USB Port 2
6. REAR OUT R, Rear Right Audio Output
7. REAR OUT L, Rear Left Audio Output
8. Coaxial Out, Coaxial Audio Output
9. F CAM IN, Front Camera Video Input
10. Wifi Antenna
11. Bluetooth Antenna
12. BRAKE, Brake In Cable
13. CAM+12V, Rear Camera Power Cable
14. CAMERA-IN, Camera Input
15. CANbus Decoding Box
16. ISO Wiring Harness
17. B+
18. ACC
19. KEY-2, Steering Wheel Control Key 2
20. BRAKE, Brake In Cable
21. ILL, Illumination Cable
22. REVERSE, Reverse Control Cable
23. KEY-1, Steering Wheel Control Key 1
24. AUX IN L, AUX Audio Input Left
25. AUX IN R, AUX Audio Input Right
26. AUDIO R, Audio Input Right
27. AUDIO L, Audio Input Left
28. 4G SIM Card Slot

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

3. Operating Instructions

This section details the various functions and features of your XTRONS car stereo.

User Interface

The unit features changeable UI themes, allowing you to customize the appearance of the interface. Switch between different themes to suit your preference for an optimized and distraction-free driving experience.

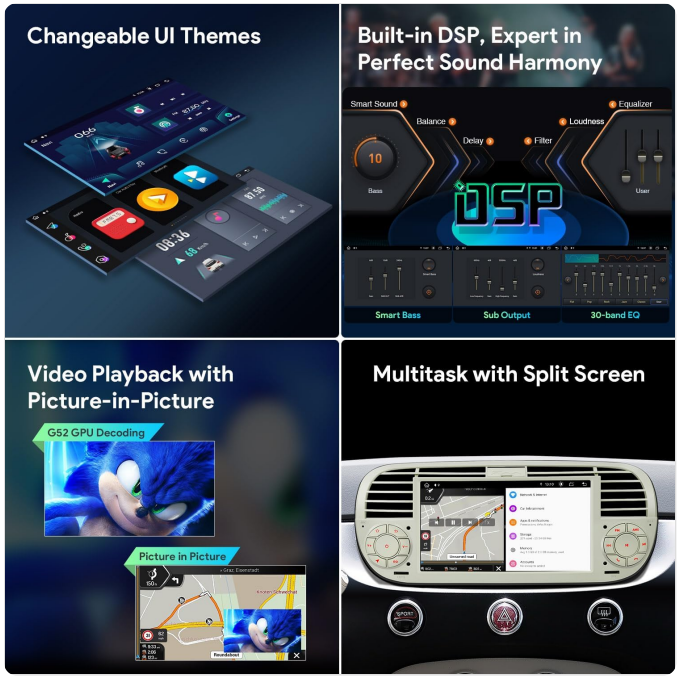


Figure 3.1: Changeable UI Themes

Connectivity

The XTRONS stereo offers robust connectivity options to keep you connected on the go.

4G LTE

Access data anywhere by inserting a Micro-SIM network card. The unit supports 99% of carriers worldwide (Supported Bands: 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 42. Not supported Bands: 13, 25, 26).

Dual Band WiFi

Supports both 2.4GHz and 5GHz bands for faster and more flexible internet connection.

Bluetooth 5.0

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



Figure 3.2: Connectivity Features

Smartphone Integration

The unit supports various smartphone integration methods for a seamless experience.

Wireless Car Play

Connect your iPhone to the car stereo via Bluetooth or cable to safely use apps on the large screen. Use Siri for voice commands.

Wireless/Wired Android Auto

Connect your Android phone via cable to cast apps to the large screen or control them with Google Assistant voice commands.

Screen Mirroring

Mirror your smartphone screen directly onto the car stereo display, allowing you to view content from your phone.



Figure 3.3: Smartphone Integration Options

Audio Features

Built-in DSP (Digital Sound Processor)

The integrated DSP is designed to enhance audio quality, providing a superior music listening experience with customizable sound settings.

Radio Functionality

Radio with RDS

The built-in ST TDA7708 radio chip covers AM/FM bands and offers state-of-the-art performance with multipath noise mitigation and RDS decoding.

Navigation

GPS Navigation

Supports various Android navigation software, including Sygic, IGO, Waze, Google Maps, and more, to guide you to your destination.

Multitasking

Picture-in-Picture (PIP) Mode

PIP is a floating video player that sticks to the foreground of your screen. This feature allows you to watch your favorite videos while multitasking.

Multi-window View

Run two applications on the screen side-by-side. For example, you can open a navigation map on the left while using a music app on the right.

Optional Accessories Support

DAB+ Tuner Ready (Optional)

Enjoy DAB radio in your car by connecting an XTRONS USB DAB radio receiver stick via the USB port (sold separately).

OBD2 Support (Optional)

With the OBD2 function, you can retrieve real-time data and trouble codes from your vehicle's computer (OBD2 device sold separately).

Product Demonstration Video

Watch the official product video for a visual guide on the features and operation of the XTRONS 7 Inch Car Stereo for Fiat 500.

Video 3.1: XTRONS 7 Inch Car Stereo for Fiat 500 (Cream) - This video provides an overview of the product, its specifications, main features including the display, UI themes, CarAutoPlay, Android Auto, screen mirroring, DSP, radio with RDS, WiFi, Bluetooth, GPS navigation, PIP mode, multi-window view, and support for optional DAB+ tuner and OBD2. It also shows the included accessories and other supported items.

4. 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.
- **Temperature:** Operate the unit within the recommended temperature range (typically -20°C to +80°C). Avoid extreme heat or cold.
- **Software Updates:** Periodically check for and install software updates provided by XTRONS to ensure the latest features and bug fixes.
- **Avoid Liquids:** Prevent liquids from entering the unit, as this can cause damage to internal components.

5. Troubleshooting

This section addresses common issues you might encounter with your XTRONS car stereo.

Common Issues and Solutions

- **Blinking Odometer after Installation:** If your odometer blinks after installation, navigate to the 'Car Info' application on the stereo, then 'Setup', and select option #2. Restart the car, and the blinking should stop.
- **Microphone Issues with CarPlay:** Some users report the microphone working on the normal Android head unit but not in CarPlay. Ensure all permissions are granted and try restarting both the phone and the stereo.
- **Slow CarPlay/Android Auto Connection:** If connection is slow, ensure your phone's software is up to date and try restarting the phone and the stereo. Check for any interference from other Bluetooth devices.
- **No Power:** Check all power connections according to the wiring diagram. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels and audio output settings on the stereo. Ensure the amplifier (if external) is powered on.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky. Avoid placing it under metal objects.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact XTRONS technical support.

6. Specifications

Detailed technical specifications for the XTRONS Single Din Car Stereo:

Specification	Value
Display Size	7 Inches
Operating System	Android 13
Processor	Octa Core (Cortex A75 x2 + Cortex A55 x6)
RAM	4GB DDR4
ROM	64GB SSD
Screen Resolution	1024x600 HD (IPS)
Connectivity Technology	Bluetooth, Cellular (4G LTE), Wi-Fi
Controller Type	Google Assistant, iOS, Android (Touchscreen)
Special Features	Touchscreen, Built-In Bluetooth, DSP, Car Play, Android Auto, GPS Navigation, 4G LTE
Compatible Devices	Smartphone
Connector Type	USB
Audio Output Mode	Stereo
Output Power	48 Watts (TDA7851 Amplifier Chip)
Radio Chip	TDA7708 (with RDS)
Color	Cream
Manufacturer	XTRONS
ASIN	B0BZYL5GP3

7. Warranty and Support

Warranty Information

XTRONS backs this unit with a **1-year warranty** from the date of purchase. This warranty covers

manufacturing defects and ensures the product meets its specified performance standards.

Technical Support

XTRONS provides professional technical support for all its products. If you have any questions, require assistance with installation, or encounter any issues, please do not hesitate to contact us via Amazon email. We are committed to replying as soon as possible and ensuring your rights and interests are protected at all times.

For more information about XTRONS products and support, you can visit the official XTRONS Store on Amazon.

About XTRONS: XTRONS is an industry leader in in-car entertainment with over 15 years of experience. We are dedicated to exceeding quality standards and mobile connectivity, aiming to provide the best user experience across our product range. All models undergo rigorous testing and feature up-to-the-minute technology for smarter, safer, and more enjoyable journeys.