XTRONS TIE723L

XTRONS Universal Double Din Car Stereo User Manual

Model: TIE723L

1. Introduction

Thank you for choosing the XTRONS Universal Double Din Car Stereo. This manual provides detailed instructions for the installation, operation, and maintenance of your new car stereo system. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience.

Figure 1.1: XTRONS Universal Double Din Car Stereo with its main display interface.

2. Key Features

- **Operating System:** Latest Android 13 OS for enhanced performance.
- **Processor:** Octa Core CPU (2x Cortex-A75 + 6x Cortex-A55) for fast and smooth operation.
- **Memory & Storage:** 2GB DDR4 RAM & 32GB SSD ROM.
- **Display:** 7-inch Touch Screen with 1024x600 resolution, IPS Technology, and Dual-layer G+G Screen for clear and responsive interaction.
- **Connectivity:** Built-in 4G LTE (supports 99% of carriers worldwide), 5GHz WiFi, and Bluetooth 5.0.
- **Smartphone Integration:** Built-in Wireless CarPlay and Wireless Android Auto.
- **Audio:** Built-in DSP (Digital Sound Processor) for cinematic audio quality, Coaxial Audio Output, and TDA7388 Amplifier Chip.
- **Navigation:** Built-in GPS for reliable navigation.
- **Multimedia:** 2K Video Playback, Screen Mirroring, Split Screen multitasking, and Picture-in-Picture (PiP) mode.
- **Camera Support:** Supports AHD Camera Input for clear reversing views.
- **Radio:** Built-in FM/AM Radio with RDS (Radio Data System).
- **Hardware:** Automotive Grade Hardware for durability and reliability.

Figure 2.1: Overview of XTRONS PE Series key features including Octa-core processor, Android 12, DSP, CarPlay, Android Auto, RAM, ROM, screen type, and camera support.

Figure 2.2: The car stereo supports dual UI themes for a personalized user experience.

3. Package Contents

Please check the package for the following items:

- 1 × Main Unit (Car Stereo)
- 1 × ISO Wiring Harness
- 1 × RCA Cable
- 1 × GPS Antenna
- 1 × 4G Antenna
- 2 × USB Cable
- 1 × CANbus Cable
- 1 × Camera Cable
- 2 × Fitting Kits

- 8 × Screws
- 1 × User Manual

Figure 3.1: All included accessories and the main unit with its dimensions.

4. Setup and Installation

Professional installation is highly recommended for this product. Incorrect wiring can cause damage to the unit or your vehicle. Refer to the wiring diagram provided and consult a qualified technician if you are unsure about

any steps.

4.1 Wiring Diagram

The following diagram illustrates the connections for the XTRONS car stereo:

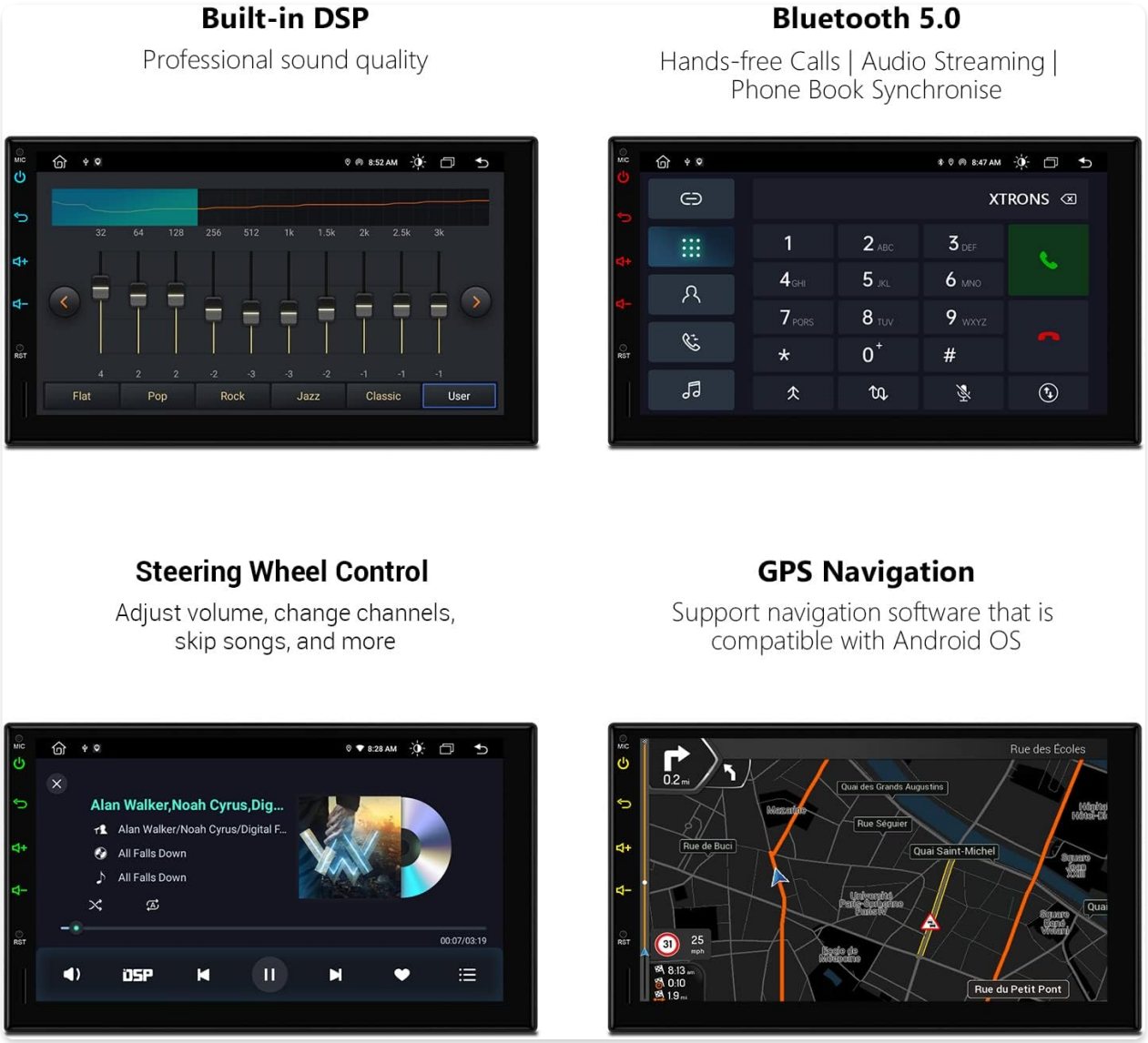

Figure 4.1: Detailed wiring diagram for the XTRONS car stereo, showing all input and output connections.

4.2 Installation Steps (General)

1. **Preparation:** Disconnect the vehicle's battery before starting any electrical work.
2. **Mounting:** Use the provided fitting kits and screws to securely mount the main unit into your vehicle's double DIN slot.
3. **Wiring:** Connect the ISO Wiring Harness, RCA cables, GPS antenna, 4G antenna, USB cables, CANbus cable, and camera cable according to the wiring diagram. Ensure all connections are secure.
4. **Testing:** Reconnect the battery and perform initial tests to ensure the unit powers on and basic functions are working before fully reassembling your dashboard.

5. Operating Instructions

5.1 Power On/Off and Basic Navigation

Press the power button on the front panel to turn the unit on or off. The intuitive touch screen interface allows for easy navigation through menus and applications. The unit features multi-color LED lights on the side buttons for enhanced visibility.

Your browser does not support the video tag.

Video 5.1: Demonstration of the XTRONS 7 Inch Android Octa Core Double Din Car Stereo's smart UI, multi-color LED lights, CarPlay, Android Auto, 4G connectivity, advanced EQ, Picture-in-Picture mode, AHD camera input, FM/AM radio with RDS, and built-in GPS.

5.2 Wireless CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly via Bluetooth or USB to access CarPlay or Android Auto. This allows you to use supported apps like navigation, music, and messaging directly on the car stereo screen. Voice control (Siri/Google Assistant) is supported for hands-free operation.

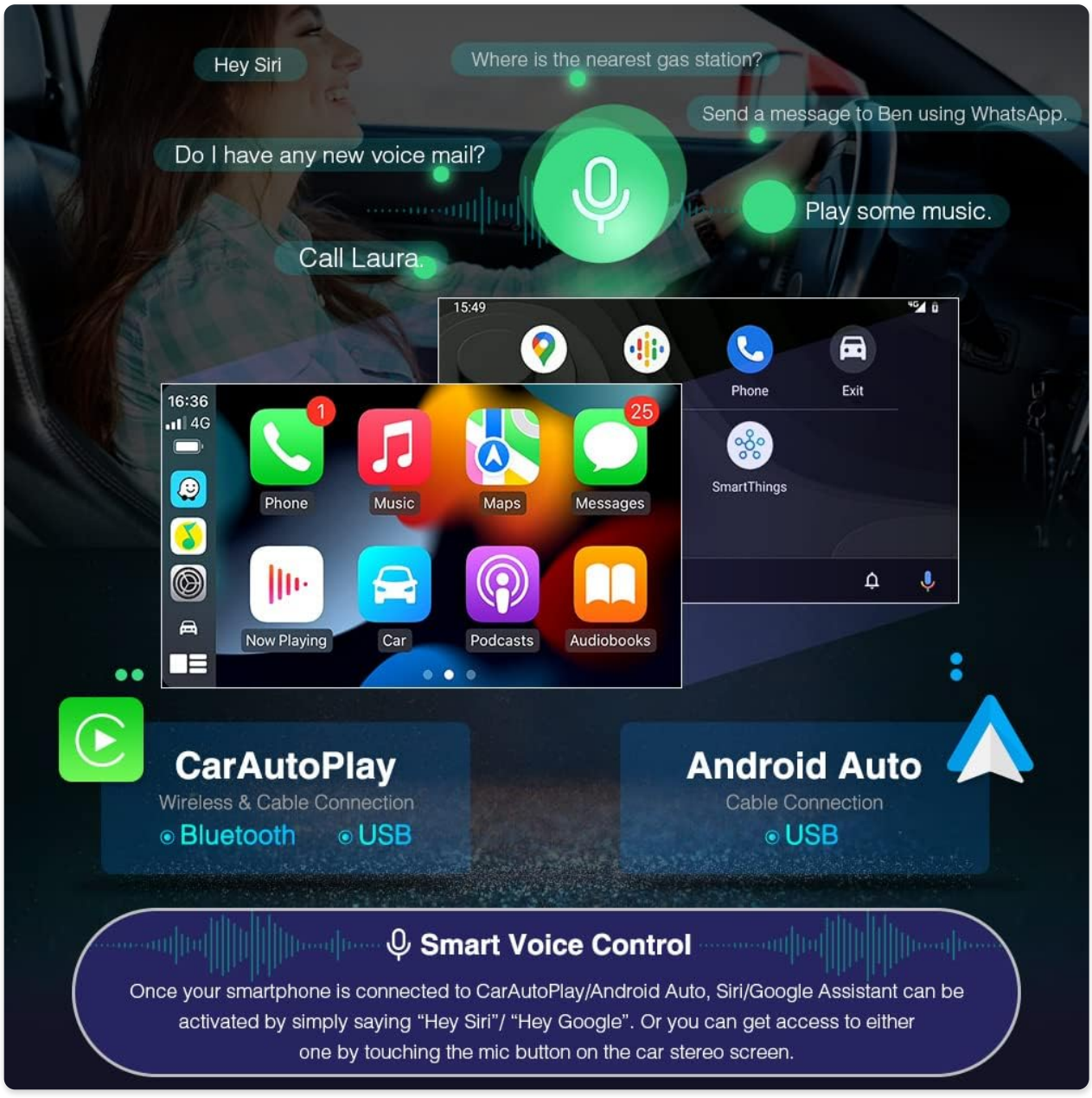

Figure 5.1: Wireless CarPlay and Android Auto interfaces shown on the car stereo display, highlighting voice control capabilities.

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Video 5.2: This video demonstrates the XTRONS TIE series, highlighting the premium G+G screen, global 4G LTE network access, dual UI themes, wireless CarPlay and Android Auto, screen mirroring, built-in DSP, radio with RDS, and dual band WiFi.

5.3 Digital Sound Processor (DSP)

The built-in DSP allows for precise audio customization. Adjust the 30-band graphic equalizer, balance, delay, and filter settings to optimize your music listening experience.

Figure 5.2: The customized DSP chip interface showing options for smart bass, loudness, equalizer, balance, and delay settings.

5.4 GPS Navigation

The unit comes with built-in GPS. You can install your preferred Android-compatible navigation software to get real-time directions and explore maps.

5.5 4G LTE and WiFi Connectivity

With built-in 4G LTE support, you can insert a SIM card (Micro-SIM, not included) to access the internet directly without an external dongle. The 5GHz WiFi provides fast internet speed and flexibility for online activities.

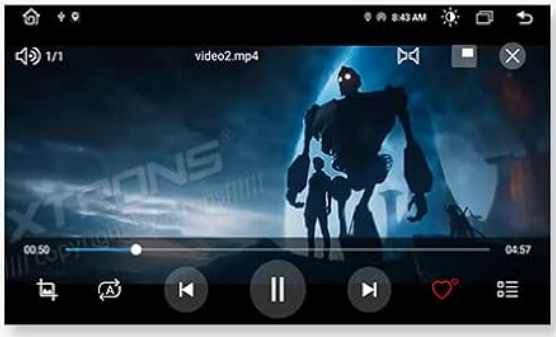
Figure 5.3: Illustration of the global 4G LTE feature, showing the SIM card slot for direct internet access.

5.6 Split Screen and Picture-in-Picture (PiP)

Multitask efficiently with the split screen feature, allowing you to run two apps side by side. The Picture-in-Picture (PiP) mode enables consistent video watching while browsing other applications.

Built-in Two SD Slots and Two Top-Rated USB Ports

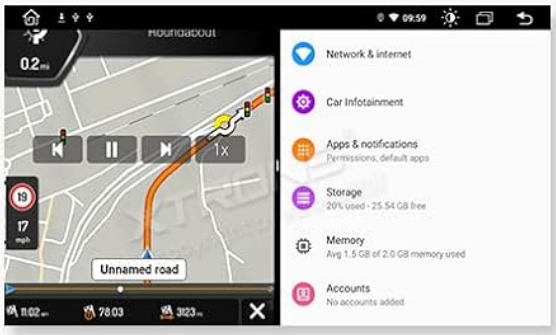
With overload current protection, these ports/cables make it safe and convenient to play any media files on the go, insert more widgets to extend functions and charge your phones.



Note: It supports SD card/USB drive with up to 128GB capacity (single file within 4GB).

Multitask with Split Screen

Run two apps side by side. For instance, you can open one window to run navigation on the left while using the other music app to play music on the right.



Video Playback with Picture-in-Picture

You can keep a consistent video watching experience while using the car stereo for browsing info online or navigating to other apps. The PIP can keep the video playback window on top.

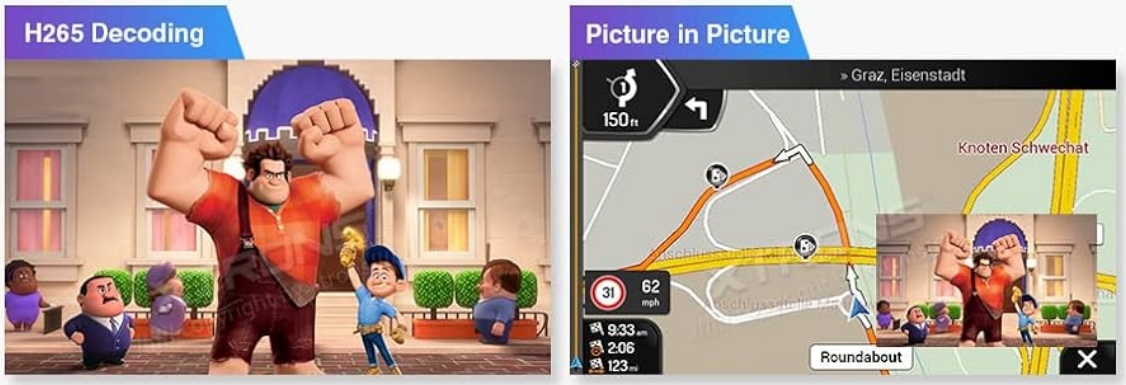


Figure 5.4: Demonstrates the split screen functionality and video playback in Picture-in-Picture mode.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check the XTRONS website or the unit's settings for available software updates to ensure optimal performance and access to new features.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive humidity.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery issue.	Check wiring connections, inspect vehicle fuses, ensure battery is charged. Consult a professional if needed.
No sound output.	Volume too low, incorrect audio settings, speaker wiring issues.	Increase volume, check DSP/equalizer settings, verify speaker connections.
GPS signal lost or inaccurate.	GPS antenna obstructed or improperly installed.	Ensure GPS antenna has a clear view of the sky and is securely connected.
Touch screen unresponsive.	Temporary software glitch.	Perform a soft reset (refer to manual for specific reset procedure if available, or power cycle the unit).
CarPlay/Android Auto not connecting.	Bluetooth/USB connection issue, phone settings.	Ensure Bluetooth is on and paired, try a different USB cable, check phone's CarPlay/Android Auto settings.

8. Specifications

Feature	Specification
Model Number	TIE723L
Display Size	7 Inches
Operating System	Android 13
Processor	Octa Core
RAM	2GB DDR4

Feature	Specification
ROM	32GB SSD
Connectivity	Wi-Fi (5GHz), USB, 4G LTE
Special Features	Touchscreen, Bluetooth 5.0, Built-in DSP, CarPlay, Android Auto, Split Screen
Audio Output Mode	Stereo
Mounting Type	Panel Mount

9. Warranty and Support

9.1 Warranty Information

This product is covered by the manufacturer's warranty. Please refer to the warranty card included in your package or visit the official XTRONS website for detailed warranty terms and conditions.

9.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact XTRONS customer support through their official website or the contact information provided in your product packaging. Ensure you have your model number (TIE723L) and purchase details ready when contacting support.

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