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Junsun 4+64G 12.1 inch Car Radio Stereo

Junsun 12.1 inch Car Radio Stereo User Manual

For Ford Expedition 2015-2017 Models

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Junsun 12.1 inch Car Radio Stereo. This unit is designed specifically for Ford Expedition models manufactured between 2015 and 2017. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your experience.

2. PRODUCT FEATURES

- **Android 13 Operating System:** Experience smooth and fast operation with the latest Android system, providing a comfortable and convenient user interface.
- **Wireless CarPlay & Android Auto:** Seamlessly connect your iPhone or Android phone wirelessly to access contacts, notifications, messages, map navigation, and music directly on the car stereo display.
- **GPS Navigation & WiFi Connectivity:** Supports online maps when connected to WiFi. Download or delete Android applications from the Application Store, similar to a smartphone.
- **Bluetooth 5.0:** Fast pairing with your phone for hands-free calls and audio streaming. Includes an external microphone for clear voice pickup.
- **FM/AM Radio:** Features digital display for precise tuning, providing access to news, music, and weather broadcasts.
- **Steering Wheel Control:** Easily switch radio stations and adjust volume levels using your vehicle's existing steering wheel buttons, enhancing driving safety and convenience.
- **12.1-inch High-Definition Display:** A large, intuitive screen for clear visibility of all functions, improving the in-car experience.
- **Built-in DSP (Digital Sound Processor):** Offers enhanced control over audio tuning for improved sound quality.



Figure 2.1: Internal Hardware Specifications (4GB RAM, 64GB ROM, 8-core processor)

3. PACKAGE CONTENTS

Verify that all components listed below are included in your package. If any items are missing or damaged, please contact customer support.



Figure 3.1: Assembly Parts List

1. Main Head Unit (12.1 inch Car Radio Stereo)
2. Power Harness
3. Audio Antenna
4. 4G Module
5. GPS Module
6. External Microphone
7. Factory USB Cable
8. RCA Cable
9. Reverse Cable
10. Installation Tools
11. Instruction Manual

4. INSTALLATION GUIDE

Installation of the Junsun 12.1 inch Car Radio Stereo requires technical knowledge and experience with car

audio systems. It is highly recommended to seek professional installation to avoid damage to the unit or your vehicle.

4.1 Pre-Installation Check

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Verify all components listed in Section 3 are present.
- Confirm compatibility with your Ford Expedition (2015-2017 models).



Figure 4.1: Before and After Installation View

4.2 Wiring Diagram

Refer to the detailed wiring diagram for proper connection of all cables and modules.

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Figure 4.2: RCA Cable and Rear Panel Wiring Diagram

4.3 General Installation Steps (Consult a professional)

1. Carefully remove the existing factory radio and trim panels.
2. Connect the main power harness to the vehicle's wiring.
3. Connect the GPS antenna, 4G module, and external microphone. Position antennas in locations with clear signal reception.
4. Connect the RCA cables for external audio/video devices if applicable.
5. Connect the reverse camera cable if installing an optional rear-view camera.
6. Mount the new Junsun head unit securely into the dashboard.
7. Reconnect the vehicle battery and test all functions before reassembling the trim panels.

4.4 Installation Video Guide

For a visual guide on the installation process, please refer to the following video:

Your browser does not support the video tag.

Video 4.1: Comprehensive Installation and Feature Overview (Duration: 12:02)

5. OPERATING INSTRUCTIONS

5.1 Wireless CarPlay & Android Auto

To use Wireless CarPlay or Android Auto:

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car stereo, navigate to the CarPlay or Android Auto application.
3. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for CarPlay/Android Auto functionality.
4. You can now access your phone's compatible apps, navigation, and media directly on the stereo display.



Figure 5.1: Wireless CarPlay and Android Auto Interfaces

5.2 GPS Navigation

The unit supports both online and offline navigation. For online maps, connect the unit to a Wi-Fi network. You can download map data for offline use via the app store.

1. Ensure the GPS module is properly connected and positioned for optimal signal reception.
2. Open your preferred navigation application from the main menu.
3. Enter your destination and follow the voice and visual prompts.



Figure 5.2: GPS Navigation Display

5.3 Bluetooth Functions

Pair your smartphone to the car stereo via Bluetooth for hands-free calling and audio streaming.

1. Go to the Bluetooth settings on the car stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the car stereo's Bluetooth name (e.g., "Junsun BT") from your phone's list and confirm pairing.
4. Once connected, you can make/receive calls and play music through the car's speakers.



Figure 5.3: Bluetooth 5.0 Interface and Functions

5.4 FM/AM Radio

Access and tune to your favorite radio stations.

1. Select the FM/AM Radio application from the main menu.
2. Use the on-screen controls to scan for stations or manually tune to a specific frequency.
3. Save your preferred stations as presets for quick access.



For BMW CCC

Figure 5.4: FM Radio Interface

5.5 Steering Wheel Control

The unit supports integration with your vehicle's steering wheel controls.

1. After installation, access the steering wheel control settings in the system menu.
2. Follow the instructions to map your vehicle's steering wheel buttons to the desired functions (e.g., volume up/down, track skip, mode change).

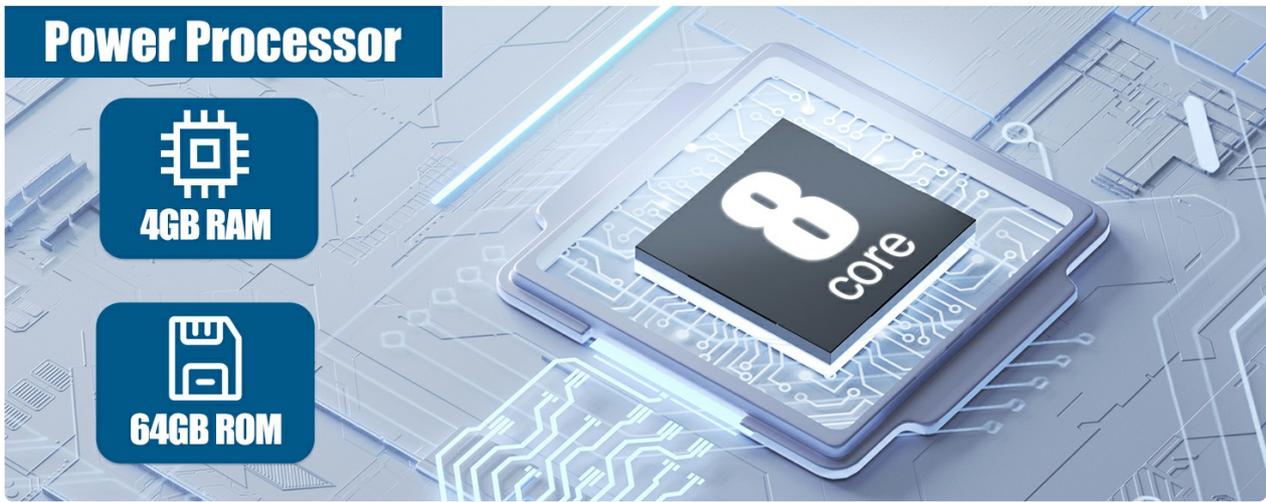


Figure 5.5: DSP Settings and Steering Wheel Control Integration

5.6 Reversing Image (Optional)

If an optional rear-view camera is installed, the unit will automatically display the rear view when the vehicle is in reverse gear, providing parking assistance. *Note: The camera is not included with the main unit.*



Figure 5.6: Reversing Image Display

6. MAINTENANCE

To ensure the longevity and optimal performance of your Junsun Car Radio Stereo, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system software updates to ensure the best performance and access to new features. Updates can typically be found in the system settings or on the manufacturer's website.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Power Management:** Ensure the vehicle's electrical system is stable. Avoid frequent power fluctuations.

7. TROUBLESHOOTING

If you encounter issues with your Junsun Car Radio Stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Vehicle battery issue	Check power connections and fuses. Ensure vehicle battery is charged. Consult a professional installer.
No sound	Volume too low; Mute activated; Speaker wiring issue; DSP settings	Increase volume. Check mute status. Verify speaker connections. Adjust DSP settings.
GPS signal lost or inaccurate	GPS antenna improperly installed or obstructed; No internet for online maps	Ensure GPS antenna has a clear view of the sky. Connect to Wi-Fi for online maps.
Bluetooth connection issues	Bluetooth not enabled; Incorrect pairing; Interference	Ensure Bluetooth is on for both devices. Delete previous pairings and re-pair. Move away from other wireless devices.
CarPlay/Android Auto not connecting	Wi-Fi/Bluetooth off; Phone compatibility; App issues	Ensure Wi-Fi and Bluetooth are active on your phone. Restart phone and stereo. Check phone's OS version for compatibility.
Touchscreen unresponsive	System freeze; Software glitch	Restart the unit (refer to manual for reset procedure if available). If issue persists, contact support.

If the problem persists after attempting these solutions, please contact Junsun customer support.

8. SPECIFICATIONS

Feature	Specification
Operating System	Android 13
Display Size	12.1 Inches
Memory (RAM)	4 GB
Storage (ROM)	64 GB
Connectivity Technology	Bluetooth 5.0, Wi-Fi
Special Features	Wireless CarPlay, Android Auto, DSP, GPS Navigation, FM/AM Radio, Steering Wheel Control
Vehicle Service Type	Ford Expedition 2015-2017
Included Components	Car radio, various cables and modules (see Section 3)
Item Weight	6.67 pounds (3.03 Kilograms)
Package Dimensions	15.43 x 13.43 x 7.52 inches

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Junsun Car Radio Stereo comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, misuse, abuse, neglect, or unauthorized modification.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact Junsun customer support.

- **Email:** Junsun-US@outlook.com
- **Online Support:** Visit the Junsun store on Amazon and use the "Ask a question" feature.



Figure 9.1: Junsun Customer Support