

## Junsun PLJS-ES-CLP5A-1

# Junsun 1 DIN Car Radio User Manual

Model: PLJS-ES-CLP5A-1

## 1. INTRODUCTION

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Thank you for choosing the Junsun 1 DIN Car Radio. This manual provides comprehensive instructions for the installation, operation, and maintenance of your new car radio. Please read this manual thoroughly before use to ensure proper functionality and to maximize your user experience. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

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The Junsun 1 DIN Car Radio is a versatile multimedia system designed for universal car compatibility. It features a 6.86-inch IPS touchscreen and offers a range of connectivity options and entertainment features to enhance your driving experience.

### Key Features:

- **CarPlay & Android Auto:** Supports both wired and wireless connections for seamless integration with your smartphone, providing access to navigation, music, calls, and messages.
- **Bluetooth 5.0:** Ensures fast and stable pairing for hands-free calling and wireless audio streaming.
- **6.86-inch IPS Touchscreen:** Offers clear visuals with accurate color reproduction and brightness from a full viewing angle.
- **FM Radio:** Enjoy clear and uninterrupted reception of your favorite radio stations.
- **5-Band Equalizer (EQ):** Customize your audio experience by adjusting bass, treble, mids, and audio balance.
- **Versatile Connectivity:** Equipped with a Type-C fast charging port (2.1A), a USB-A port for USB drives, and an AUX input.
- **Steering Wheel Control (SWC):** Supports retaining most factory steering wheel functions via wired connection (Note: Does not include CANbus decoder).
- **Rear Camera Support:** Includes a waterproof HD 720P wide-angle rear camera with night vision for enhanced parking safety.

## 3. PACKAGE CONTENTS

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Please verify that all items listed below are included in your package:

- Junsun 1 DIN Car Radio Unit
- Power Connector Harness
- External Microphone
- USB Cable
- Rear Camera with 6M Cable
- Installation Tools (Pry tools, Screwdriver)
- User Manual
- Radio Removal Tools



Figure 3.1: Contents of the Junsun 1 DIN Car Radio package.

## 4. SETUP AND INSTALLATION

### 4.1 Compatibility Check

This car radio features a standard 1 DIN size (180x50mm), ensuring compatibility with most vehicle dashboards. Before installation, please refer to the dimensions and wiring diagram provided in this manual to confirm compatibility with your vehicle. Professional assistance is recommended for installation.



Figure 4.1: Installation comparison, showing the standard 1 DIN size.

## 4.2 Wiring Instructions

This radio is universal and does not come with an ISO connector, but with loose wires. When installing, connect the wires from the provided harness to your car's wiring one by one according to their properties. Incorrect wiring can cause short circuits, excessive power consumption, or other issues.



Figure 4.2: Main Wiring Diagram.

### Key Power Connections:

- **Yellow Wire (B+):** Connect to the constant positive terminal of the car battery. This provides continuous power for memory retention.
- **Red Wire (ACC):** Connect to the ignition switch (ACC) power source. This powers the unit on/off with the car's ignition.
- **Black Wire (GND):** Connect to a reliable ground point on the car chassis.

### Speaker Connections:

- Violet: Rear Right Speaker +
- Violet/Black: Rear Right Speaker -
- Gray: Front Right Speaker +
- Gray/Black: Front Right Speaker -
- White: Front Left Speaker +
- White/Black: Front Left Speaker -
- Green: Rear Left Speaker +
- Green/Black: Rear Left Speaker -

### Other Connections:

- **Orange:** Brake signal wire (no connection needed if not using video in motion features).
- **Brown:** Steering Wheel Control (KEY1).
- **Blue:** Power antenna amplifier control (ANT).
- **Pink:** Parking sensor control wire.

## 4.3 Rear Camera Wiring

The included rear camera enhances parking safety. Connect the camera as follows:

- Connect the camera's video output (yellow RCA) to the 'VIDEO IN' port on the radio.
- Connect the camera's red power wire to the positive lead of your car's reverse light.

- Connect the camera's black ground wire to the negative lead of your car's reverse light.
- Connect the red trigger wire from the video cable to the 'B1' cable on the power harness (usually labeled 'REVERSE' or 'BACK'). This signals the radio to switch to the rear camera view when reversing.



Figure 4.3: Rear Camera Wiring for Parking Assistance.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Controls

The unit features an intuitive volume knob for quick adjustments and illuminated buttons for optimal visibility and safe driving. The 6.86-inch IPS touchscreen provides a responsive interface for all functions.



Figure 5.1: Illuminated Buttons and USB/Type-C Ports.

### 5.2 CarPlay and Android Auto

Enjoy seamless smartphone integration with both wired and wireless CarPlay and Android Auto. Connect via Bluetooth for wireless access or USB for wired connection to navigate, play music, make calls, and send messages directly from the touchscreen.

- **Wireless Connection:** Pair your smartphone via Bluetooth to enable wireless CarPlay or Android Auto.
- **Wired Connection:** Connect your smartphone via a USB cable to activate CarPlay or Android Auto.
- **Voice Control:** Use Siri or Google Assistant for hands-free control, allowing you to focus on driving.



Figure 5.2: Wireless/Wired CarPlay and Android Auto Interface.

### 5.3 Bluetooth Connectivity

The integrated Bluetooth 5.0 module provides a stable and fast connection for various functions:

- **Hands-Free Calling:** Make and receive calls safely without taking your hands off the steering wheel.
- **Music Streaming:** Play audio from your smartphone wirelessly through the car's speakers.
- **Phonebook Access:** Access your phone's contact list directly from the radio display.



Figure 5.3: Bluetooth Interface for Calls and Music.

### 5.4 Radio (FM)

The built-in FM tuner allows you to enjoy your favorite radio stations with clear reception. Use the touchscreen to scan for stations or manually tune to specific frequencies.



Figure 5.4: FM Radio Interface.

## 5.5 Sound Settings (Equalizer)

Personalize your audio experience with the integrated 5-band equalizer. Adjust bass, treble, and mid-range frequencies to match your musical preferences and mood. Various preset equalization methods are available, such as Jazz, Rock, Pop, and Classical.

## 5.6 Steering Wheel Control (SWC)

This radio supports retaining most factory steering wheel control functions (e.g., volume, track change) via a wired connection. Refer to the wiring diagram in Section 4.2 for connection details. **Note:** This unit does NOT include a CANbus decoder. If your vehicle requires a CANbus adapter for aftermarket radio installation, this model is not compatible without an external adapter.

## 5.7 USB and Type-C Ports

The unit is equipped with a Type-C port for fast charging (2.1A) and a USB-A port. The Type-C port is primarily for charging mobile phones, not for data transmission. The USB-A port can be used to connect USB flash drives for playing videos, music, and other media.



Figure 5.5: USB Port for Media Playback.

## 6. PARKING ASSISTANCE (REAR CAMERA)

Improve parking safety with the included HD 720P waterproof wide-angle rear camera. The system automatically

switches to the rear view when the vehicle is put into reverse, providing clear night vision even in low light or rain. Refer to Section 4.3 for wiring instructions.



Figure 6.1: Parking Assistance Display.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 7.1 Memory Function Not Working

If the unit does not retain settings or memory after being turned off, it may be due to inverted wiring between the ACC (red) and B+ (yellow) wires. Ensure the yellow wire is connected to the constant positive terminal of the car battery to activate the memory function.

### 7.2 Unit Does Not Power On

If the unit does not power on, carefully check all wiring connections. Ensure you are using the provided wiring harness. Verify that the yellow wire is connected to the battery positive, the black wire to ground, and the red wire to the ACC (ignition key) for correct power supply.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	PLJS-ES-CLP5A-1
Screen Size	6.86 inches
Screen Type	IPS Touchscreen
DIN Size	1 DIN (180x50mm)
Connectivity	Wireless/Wired CarPlay, Wireless/Wired Android Auto, Bluetooth 5.0
Ports	USB-A, Type-C (2.1A charging), AUX Input, RCA Outputs
Radio Tuner	FM
Equalizer	5-Band

Feature	Specification
Rear Camera	HD 720P, Waterproof, Night Vision
Dimensions (Package)	28 x 22 x 14 cm
Weight (Package)	1.5 kg
UPC	760822654583

## 9. WARRANTY AND SUPPORT

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The Junsun 1 DIN Car Radio comes with a **2-year warranty**. This warranty covers repair or replacement of components in valid cases. For any questions, technical assistance, or warranty claims, please contact our dedicated support team. We offer **24/7 support** via email and our online platform.

Please refer to the contact information provided with your purchase or visit the official Junsun website for support details.