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## SJOYBRING JOY-W021

# SJOYBRING 7" Double Din Car Stereo

MODEL: JOY-W021

Instruction Manual

### Product Overview

The SJOYBRING JOY-W021 is a 7-inch double din car stereo designed to enhance your in-car entertainment and connectivity. It features a vibrant QLED HD touchscreen, wireless Apple CarPlay and Android Auto compatibility, powerful 4.2-channel audio output, and includes a high-definition night vision backup camera for improved safety.

This unit supports various media formats, Bluetooth 5.3 for stable connections, and offers steering wheel control integration for convenient operation while driving.

### What's in the Box

- 7inch double din Head unit
- Rear camera
- Frames and Brackets
- ISO Stereo Harness
- Remote control



Figure 1: SJOYBRING JOY-W021 Head Unit and included accessories.

## Setup & Installation

Proper installation is crucial for optimal performance. It is recommended to consult a professional for installation if you are unfamiliar with car audio wiring.

### Pre-Installation Considerations:

- Ensure your dashboard opening size fits the double din stereo. Additional dash kits may be required for specific car models.
- Some car models may require a wire harness adapter and a radio antenna adapter (purchased separately).

### Wiring Diagram Overview:

The unit comes with an ISO stereo harness. Connections typically involve power (yellow for constant 12V, red for accessory 12V), ground (black), speaker wires (various colors), and specific wires for features like reverse trigger and steering wheel control.



Figure 2: Detailed wiring connections and unit dimensions.

The unit features multiple RCA ports for audio output (FR, FL, RR, RL, SW1, SW2) and video input/output (F-CAM, R-CAM, V-OUT) and an independent Bluetooth module and antenna ensure stable Bluetooth connectivity.

#### Installation Example:

The installation process generally involves removing the factory radio, connecting the new stereo's harness to the vehicle's wiring, and securing the unit in the dashboard. Ensure all connections are secure and properly insulated.



Figure 3: Illustration of dash kit requirement for installation.



Figure 4: Connecting the ISO harness to the vehicle's wiring.

For a visual guide on the installation process, including wiring and setup, please refer to the official seller video below:

Your browser does not support the video tag.

Video 1: SJOYBRING Double Din Car Stereo Installation Guide. This video provides a comprehensive overview of the installation steps and features.

## Operating Instructions & Features

## Wireless Apple CarPlay & Android Auto:

Connect your smartphone wirelessly for seamless integration. Access navigation, make calls, send messages, and play music directly from the stereo's display. Advanced voice control allows for hands-free operation.



Figure 5: Wireless Apple CarPlay interface.



Figure 6: Wireless Android Auto interface.

### Upgraded QLED HD Screen:

The 7-inch QLED HD screen (1280x720 resolution) provides vibrant colors and supports 1920x1080P video playback. It offers superior visual clarity compared to traditional LCD screens.



Figure 7: QLED screen technology provides enhanced color and clarity.

### 4.2-Channel Audio Output & DSP:

This car radio supports 4 channels RCA audio out for connecting to aftermarket amplifiers and 2 separate subwoofer outputs. An improved DSP chip enhances sound quality and provides 60W\*4 power amplification.

# Complimentary Rear Camera Included



Figure 8: Audio output configuration and equalizer settings.

## HD Night Vision Backup Camera:

The included HD night vision backup camera automatically displays the rear view when the vehicle shifts into reverse. It features an ultra-wide 170° viewing angle and a fully waterproof design for safe and easy parking.

# Double DIN Standard Size

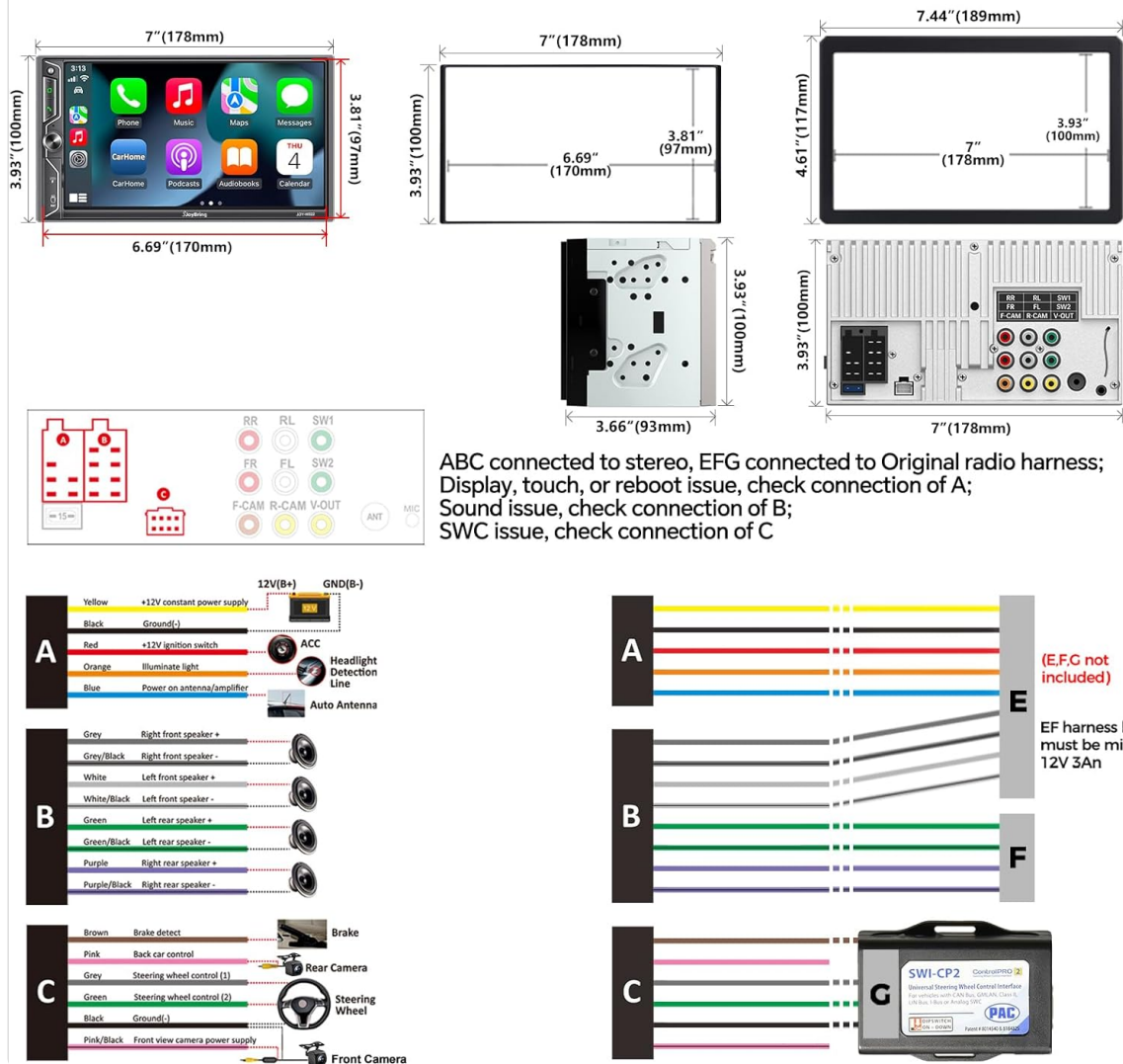


Figure 9: Backup camera features and display example.

## Steering Wheel Control (SWC):

Adjust volume, change tracks, and activate voice commands directly from your steering wheel for enhanced safety. Note: An additional interface may be required for SWC functionality (purchased separately).



Figure 10: Steering Wheel Control setup interface.

## Bluetooth Connectivity:

The independent Bluetooth 5.3 module and antenna provide a stable, faster, and clearer connection

for wireless music streaming, hands-free calls, and MP3 playback.



Figure 11: Bluetooth interface for music and calls.

### MirrorLink Functionality:

Easily connect your iOS or Android phone via USB to mirror its screen onto the car stereo display. This allows you to view apps like Google Maps, Spotify, and YouTube in HD.



Figure 12: Phone Mirror Link display.

### AM/FM Car Radio:

Tune into your favorite radio stations with the built-in AM/FM tuner. FM frequency range: 87.5~107.9MHz, AM frequency range: 530~1710KHz.



Figure 13: AM/FM Radio interface.

## Maintenance

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

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the QLED screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit and surrounding dashboard area clean and free of dust. Use a soft brush or compressed air to clear debris from vents and buttons.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures for prolonged periods. While designed for automotive use, excessive heat or cold can affect performance and lifespan.
- **Software Updates:** Periodically check the manufacturer's website or contact support for any available firmware updates. Updates can improve performance, add features, or fix bugs.

## Troubleshooting

If you encounter issues with your SJOYBRING car stereo, refer to the following common troubleshooting steps:

- **No Power:**
  - Check the vehicle's fuse box for blown fuses related to the radio or accessory power.
  - Verify all power connections (constant 12V, accessory 12V, ground) are secure and correctly wired.
- **No Sound:**
  - Ensure the volume is not muted or set too low.
  - Check speaker wire connections for proper polarity and secure contact.
  - Verify the audio source (Radio, Bluetooth, USB, CarPlay/Android Auto) is correctly selected.
- **Bluetooth Connectivity Issues:**
  - Ensure Bluetooth is enabled on both the stereo and your smartphone.
  - Delete previous pairings on both devices and attempt to re-pair.
  - Move your phone closer to the stereo to rule out signal interference.
- **Backup Camera Not Displaying:**
  - Check the video input connection (R-CAM) on the stereo.
  - Verify the reverse trigger wire is correctly connected to the vehicle's reverse light circuit.
  - Ensure the camera itself is receiving power.
- **Touchscreen Unresponsive:**
  - Perform a soft reset by pressing the RST button (if available) or disconnecting the vehicle's battery for a few minutes.

- Ensure the screen is clean and free of debris that might interfere with touch input.

For persistent issues or complex problems, please contact SJOYBRING expert support for assistance.

## Specifications

Feature	Detail
Brand	SJOYBRING
Model Number	JOY-W021
Screen Type	QLED HD Touchscreen
Screen Resolution	1280x720
Video Playback	Supports 1920x1080P
Connectivity	Wireless Apple CarPlay, Android Auto, Bluetooth 5.3, MirrorLink (USB), USB, Auxiliary, Wi-Fi
Audio Output	4.2-Channel RCA Audio Out (FR, FL, RR, RL, SW1, SW2)
Power Output	240 Watts (60W*4 amplification)
Special Features	DSP, Built-In Bluetooth, Screen Mirroring, HD Night Vision Backup Camera, Steering Wheel Control (SWC)
Item Weight	2.75 pounds
Product Dimensions	3.66 x 7 x 3.93 inches
Radio Tuner	AM/FM (FM: 87.5~107.9MHz, AM: 530~1710KHz)

## Warranty & Support

SJOYBRING is committed to providing excellent customer service and support for its products.

- **Expert Support:** Need a wiring diagram, harness compatibility check, or step-by-step guidance? Reach out to our 24/7 tech team directly through the "Contact Seller" portal on the purchase platform.
- **Warranty:** The product typically includes a 12-month replacement availability.
- **Returns:** A 90-day no-worry return policy is usually offered.
- **Lifetime Support:** Benefit from lifetime consultation and support for your SJOYBRING product.



Figure 14: SJOYBRING support commitments.

