SOUNDKITS Single Din Touchscreen Radio

SOUNDKITS Single Din Touchscreen Radio User Manual

Model: Single Din Touchscreen Radio

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your SOUNDKITS Single Din Touchscreen Radio. This device integrates modern infotainment features such as Apple CarPlay, Android Auto, Bluetooth connectivity, and a 6.5-inch IPS display into a standard single DIN form factor, suitable for upgrading classic vehicles.

Image: The SOUNDKITS Single Din Touchscreen Radio unit, featuring a 6.5-inch IPS display showing the Apple CarPlay interface, accompanied by its infrared remote control.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in injury or damage to the device or vehicle.

- **Professional Installation Recommended:** Due to the complexity of car audio systems, professional installation is advised.
- **Power Source:** Connect the unit only to a 12V DC power supply with a negative ground.
- **Wiring:** Ensure all wiring is correctly connected to prevent short circuits and damage. Insulate all exposed wires.
- **Driving Safety:** Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.

- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the unit dry. Exposure to moisture can cause malfunction or electric shock.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Single Din CarPlay Stereo Unit
- Wiring Harness
- Mounting Kits
- IR Remote Control
- User Instruction Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel Controls and Ports

Image: Close-up of the radio's front panel, highlighting the Type-C charging port, IR receiver, microphone, volume knob, USB input, and AUX-in port.

- **6.5-inch IPS Touchscreen:** Main display for all functions and interfaces.
- **Volume Knob (VOL):** Rotate to adjust volume. Press to mute/unmute.

- **USB Input:** For media playback, CarPlay/Android Auto connection, and phone mirroring.
- **AUX-in:** 3.5mm audio input for external audio devices.
- **Type-C Charge Port:** Provides 2.1A quick charging for compatible devices.
- **Microphone (MIC):** Built-in microphone for hands-free calls and voice commands.
- **IR Receiver:** For remote control operation.
- **Reset Button (RST):** Small button to reset the unit (requires a thin object like a paperclip).
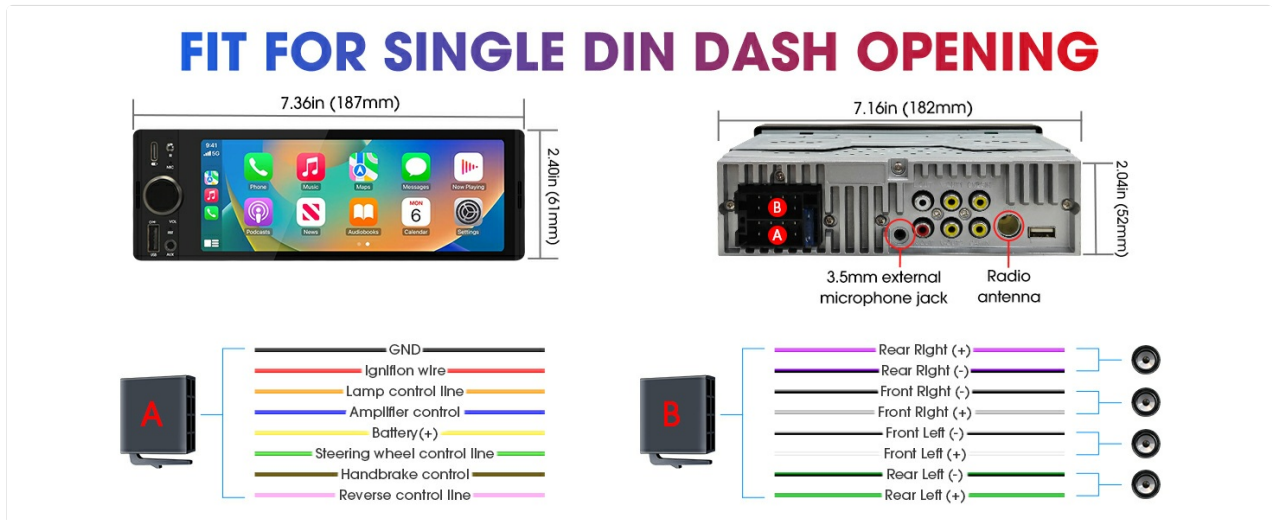
4.2 Rear Panel Connections

Image: Diagram showing the rear connections of the radio, including the main wiring harness, RCA outputs, external microphone jack, and radio antenna input.

- **Main Wiring Harness Connector:** Connects to the vehicle's power, speaker, and control wires.
- **RCA Audio Outputs (L-OUT, R-OUT):** For connecting external amplifiers.
- **RCA Video Outputs (V-OUT1, V-OUT2):** For connecting external monitors (e.g., headrest monitors).
- **Rearview Camera Input (CAMIN):** RCA input for a rearview camera.
- **External Microphone Jack:** For connecting an optional external microphone.
- **Radio Antenna Input:** Connects to the vehicle's AM/FM antenna.

5. SETUP & INSTALLATION

This section outlines the general steps for installing the SOUNDKITS Single Din Touchscreen Radio. Professional installation is recommended.

5.1 Pre-Installation Checklist

- Ensure the vehicle's battery is disconnected before starting installation.
- Confirm the vehicle has a standard single DIN slot.
- Gather necessary tools (wire strippers, crimpers, electrical tape, screwdriver).

Image: A visual comparison showing older car radios replaced by the modern SOUNDKITS Single Din Touchscreen Radio, demonstrating the aesthetic upgrade.

5.2 Wiring Connections

Refer to the provided wiring harness diagram for specific connections. The harness uses universal ISO interface and wire color coding.

Common Wiring Connections

Wire Color	Function
Yellow	Constant 12V (Battery)
Red	Accessory 12V (Ignition)
Black	Ground (GND)
Blue	Antenna/Amplifier Remote Turn-On
Orange	Illumination/Dimmer
Brown	Steering Wheel Control (SWC)
Green/White	Rear Left Speaker (+)
Green/Black	Rear Left Speaker (-)

Wire Color	Function
Purple/White	Rear Right Speaker (+)
Purple/Black	Rear Right Speaker (-)
White/White	Front Left Speaker (+)
White/Black	Front Left Speaker (-)
Gray/White	Front Right Speaker (+)
Gray/Black	Front Right Speaker (-)
Reverse (often Pink/Brown)	Reverse Gear Signal (for rearview camera)

Note: Always cross-reference with your vehicle's specific wiring diagram and the diagram provided with the product's harness. Incorrect wiring can cause damage.

5.3 Mounting the Unit

1. Secure the mounting sleeve into the vehicle's single DIN dash opening.
2. Connect all necessary wiring harnesses, antenna, and any external accessories (e.g., rearview camera, external microphone).
3. Carefully slide the head unit into the mounting sleeve until it locks into place.
4. Reconnect the vehicle's battery.
5. Test all functions before reassembling the dashboard trim.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** The unit powers on with the vehicle's ignition. Press and hold the volume knob to turn off/on the display.
- **Volume Control:** Rotate the volume knob clockwise to increase volume, counter-clockwise to decrease. Press the knob to mute/unmute.
- **Touchscreen Interface:** Navigate menus and select options by tapping or swiping on the 6.5-inch IPS touchscreen.

6.2 Bluetooth Connectivity

Image: The radio's display showing a successful Bluetooth 5.3 connection to a smartphone, with music playback information visible.

1. From the main menu, select the **Bluetooth** icon.
2. On your smartphone, search for available Bluetooth devices and select "SOUNDKITS" (or similar device name).
3. Confirm the pairing code on both devices if prompted.
4. Once connected, you can make hands-free calls and stream audio.

6.3 Apple CarPlay & Android Auto

Image: An illustration demonstrating how to connect smartphones via USB for Apple CarPlay, Android Auto, and Auto Link functionality on the car stereo.

1. Connect your iPhone (for CarPlay) or Android phone (for Android Auto) to the unit's USB port using a certified USB cable.
2. The unit will automatically detect the connection and launch the respective interface.
3. Follow any on-screen prompts on your phone or the unit to complete the setup.
4. Access navigation, music, calls, and other compatible apps directly from the touchscreen.

6.4 USB Phone Mirroring

This feature allows you to display your smartphone's screen directly on the unit's display.

1. Connect your smartphone to the unit's USB port.
2. Select the "Phonelink" or "Mirrorlink" option from the main menu.
3. Follow the on-screen instructions to establish the connection. This may require installing a specific app on your phone.
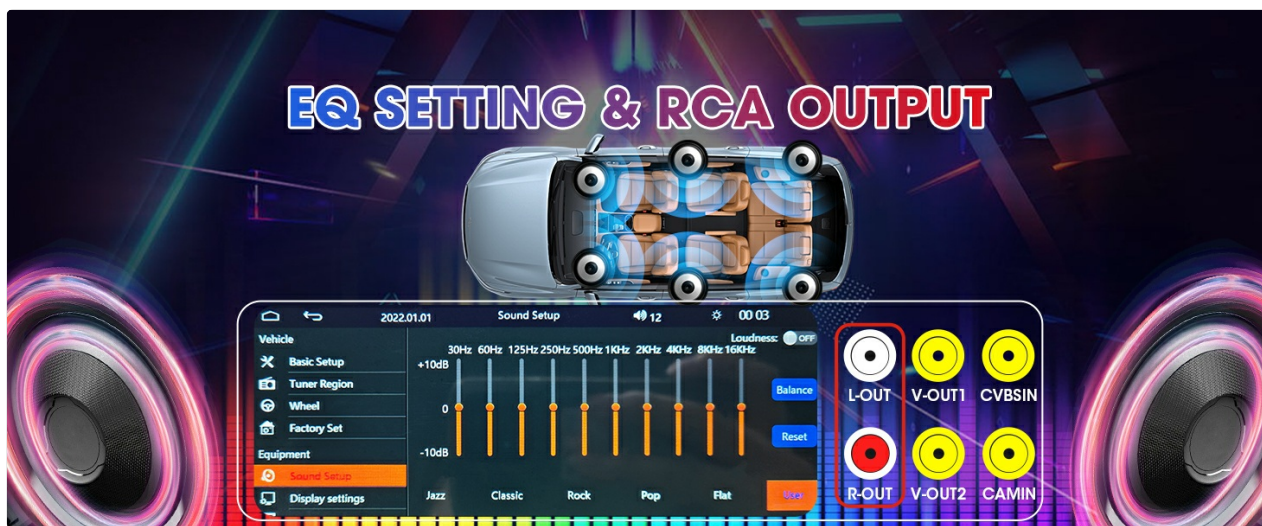
6.5 Radio (AM/FM)

Image: The radio interface displaying AM and FM frequency ranges and signal strength, indicating available stations.

- From the main menu, select the **Radio** icon.
- Tap **AM** or **FM** to switch bands.
- Use the **Seek** buttons to automatically search for stations.
- Tap and hold a preset number to save the current station.

6.6 Media Playback (USB, AUX)

- **USB:** Insert a USB drive into the USB port. The unit will automatically detect and play compatible audio/video files. Navigate files using the on-screen interface.
- **AUX:** Connect an external audio device to the 3.5mm AUX-in port using an audio cable. Select the **AUX** source from the main menu.
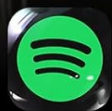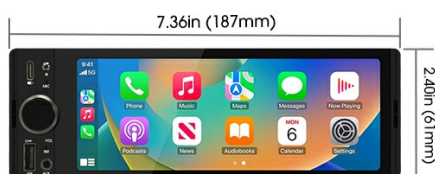
6.7 Voice Control

Image: A driver interacting with the car stereo using voice commands for Siri and Google Assistant, demonstrating hands-free operation.
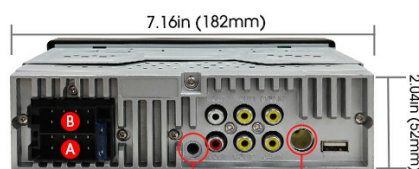
When connected via CarPlay or Android Auto, you can activate your phone's voice assistant (Siri or Google Assistant) by pressing the voice control button on the unit (if available) or by using the voice command phrase (e.g., "Hey Siri" or "Ok Google").

6.8 Steering Wheel Control (SWC)

Image: The steering wheel control configuration screen on the radio, showing options to program various buttons for functions like volume, track skip, and mode.

If your vehicle supports steering wheel controls, connect the SWC wire during installation. Access the **Steering Wheel Control** settings in the unit's menu to program the buttons to control various functions (e.g., volume, track skip, mode).

6.9 Equalizer Settings

Image: The audio equalizer settings interface, showing adjustable frequency bands and preset options, alongside a diagram of RCA audio and video outputs.

Access the **Sound Settings** or **EQ** menu to adjust audio parameters. The unit features a 10-band equalizer with preset options (e.g., Pop, Rock, Jazz) and custom settings to tailor the sound output to your preference.

6.10 Rearview Camera Input

Connect a rearview camera to the **CAMIN** RCA input. When the vehicle is shifted into reverse, the unit will automatically display the camera feed, enhancing parking safety.

7. SPECIFICATIONS

Feature	Detail
Model Number	Single Din Touchscreen Radio
Display	6.5 Inch HD IPS Touch Screen (1024x600 resolution)
Connectivity	Bluetooth 5.3, USB, Auxiliary, Type-C (charging)
Smartphone Integration	Apple CarPlay (Wired), Android Auto (Wired), Screen Mirroring
Audio Output	300W Peak Power, 4-CH RCA Out, 10-band EQ
Radio Tuner	AM (530-1710KHz), FM (87.5-107.9MHz)
Video Playback	1080p Video Playback, H.264, H.265/HEVC encoding
Control Methods	Touchscreen, IR Remote Control, Steering Wheel Control, Voice Control
Dimensions	4.5 x 7.36 x 2.4 inches (Product)
Weight	2.03 pounds
Power Supply	12V DC (Negative Ground)

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

8.1 No Power

- **Check Wiring:** Ensure the yellow (constant 12V), red (accessory 12V), and black (ground) wires are correctly connected and have proper voltage.

- **Fuse:** Check the fuse on the unit's wiring harness and the vehicle's fuse box. Replace if blown.
- **Battery:** Ensure the vehicle's battery is charged and connected.

8.2 No Sound

- **Volume Level:** Increase the volume. Check if the unit is muted.
- **Speaker Wiring:** Verify all speaker wires are correctly connected and not short-circuited.
- **Source Selection:** Ensure the correct audio source (e.g., Radio, USB, Bluetooth, AUX) is selected.
- **Amplifier:** If an external amplifier is used, ensure it is powered on and correctly wired.

8.3 CarPlay/Android Auto Not Connecting

- **USB Cable:** Use a high-quality, certified USB data cable. Faulty cables can prevent connection.
- **USB Port:** Ensure the phone is connected to the correct USB port on the unit.
- **Phone Settings:** Check your phone's settings to ensure CarPlay/Android Auto is enabled and allowed to connect to the unit.
- **Software Update:** Ensure your phone's operating system and any relevant apps (e.g., Android Auto app) are up to date.

8.4 Touchscreen Unresponsive

- **Reset Unit:** Use a thin object to press the**RST** button on the front panel to perform a soft reset.
- **Power Cycle:** Turn off the vehicle's ignition, wait a few minutes, then restart.

9. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **General Cleaning:** Use a dry, soft cloth to wipe the unit's body. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates to ensure optimal performance and compatibility.

10. WARRANTY & SUPPORT

SOUNDKITS provides the following support and warranty information:

- **Warranty:** The product comes with a 12-month responsibility for all products.
- **Free Replacement/Refund:** A 90-day free replacement or refund policy is available.
- **Technical Guidance & Support:** Lifetime technical guidance and support are provided.
- **Customer Service:** Fast response within 24 hours for inquiries.

For further assistance, please contact SOUNDKITS customer support through the platform where the product was purchased or visit the official SOUNDKITS store page.
You can typically find contact information by navigating to the seller's profile on the purchase platform and selecting "Ask a question."

Image: A graphic detailing SOUNDKITS' customer service commitments: 24-hour fast response, 90-day free replacement or refund, 12-month product responsibility, and lifetime technical guidance & support.