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› SDX Audio Bluetooth Car Stereo Receiver User Manual

## SONDPEX RUSXi167

# SDX Audio Bluetooth Car Stereo Receiver User Manual

Model: RUSXi167

Brand: SONDPEX

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your SDX Audio Bluetooth Car Stereo Receiver. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage. Keep this manual for future reference.

## SAFETY INFORMATION

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To ensure safe operation and prevent damage, observe the following precautions:

- Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- Ensure proper wiring and connections to avoid short circuits or electrical hazards. Consult a professional if unsure about installation.
- Do not expose the unit to extreme temperatures, direct sunlight, or excessive moisture.
- Avoid disassembling or modifying the unit. This may void the warranty and pose safety risks.
- Keep the volume at a level that allows you to hear external sounds, such as emergency vehicles.

## PACKAGE CONTENTS

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Verify that all items are present in the package:

- SDX Audio Bluetooth Car Stereo Receiver Unit
- Wiring Harness
- Mounting Hardware (Screws, Brackets)
- Remote Control
- User Manual (This document)

## PRODUCT OVERVIEW

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Familiarize yourself with the main components and controls of your car stereo receiver.



**Figure 1:** Front panel of the SDX Audio Bluetooth Car Stereo Receiver. This image displays the main unit with its digital LCD display, two rotary knobs on either side, and various control buttons below the display. A USB port is visible on the left, and an AUX-in port on the right. The model number RUSXi167 is printed on the right side of the display.

### Front Panel Controls:

- **Power/Volume Knob:** Turn to adjust volume, press to power on/off.
- **Mode Button:** Cycles through available audio sources (FM, Bluetooth, USB, AUX).
- **Band/APS Button:** In FM mode, selects radio band (FM1, FM2, FM3) or performs automatic preset scanning.
- **Play/Pause/Preset Buttons (1-6):** Controls playback for USB/Bluetooth, or selects preset radio stations.
- **Forward/Backward Buttons:** Skips tracks or tunes radio frequencies.
- **DIS/Clock Button:** Displays clock or other information.
- **USB Port (Charging):** Dedicated USB port for charging mobile devices (5V/1.5A output).
- **USB Port (MP3 Playback):** Dedicated USB port for MP3 music playback from a USB drive.
- **AUX-In Jack:** 3.5mm input for external audio devices.
- **Built-in Microphone:** For hands-free calling.

## SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance. If you are not familiar with car audio wiring, it is recommended to seek professional assistance.

### Wiring Diagram:

Refer to the provided wiring harness for connections. Common connections include:

- **Yellow Wire:** Constant 12V (Battery)
- **Red Wire:** Switched 12V (Ignition/ACC)
- **Black Wire:** Ground
- **Blue Wire:** Power Antenna/Amplifier Remote Turn-on
- **Speaker Wires:** Typically color-coded (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right).

### Installation Steps:

1. Disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. Remove the existing car stereo unit from the dashboard.
3. Connect the SDX Audio receiver's wiring harness to your vehicle's wiring harness, matching colors and functions. Use crimp connectors or solder for secure connections.
4. Connect the antenna cable to the receiver.

5. Slide the receiver into the dashboard opening and secure it using the provided mounting hardware.
6. Reconnect the vehicle's negative battery terminal.
7. Test the unit's functions (power, radio, USB, Bluetooth, AUX, speaker output).



**Figure 2:** The SDX Audio receiver seamlessly integrated into a classic car dashboard, demonstrating its compact and retro-compatible design. The unit's display shows "104.1" indicating FM radio mode.



**Figure 3:** The SDX Audio receiver installed in a modern vehicle's dashboard, demonstrating its versatile fit across different car interiors. The display shows "104.1" indicating FM radio mode.

## OPERATING INSTRUCTIONS

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### Basic Operation:

- **Power On/Off:** Press the Volume knob to turn the unit on or off.
- **Volume Control:** Rotate the Volume knob to adjust the sound level.
- **Mode Selection:** Press the **MODE** button to cycle through available sources: FM Radio, Bluetooth Audio, USB Playback, AUX Input.
- **Clock Display:** Press the **DIS** button to display the current time.

### FM Radio Operation:

- Press **MODE** until "FM" is displayed.

- Press **BAND/APS** to select FM1, FM2, or FM3 band.
- Press the **Forward/Backward** buttons to manually tune frequencies.
- Press and hold the **Forward/Backward** buttons for automatic seek tuning.
- To store a station: Tune to the desired station, then press and hold one of the preset buttons (1-6) until you hear a beep.
- To recall a preset station: Briefly press the corresponding preset button (1-6).



**Figure 4:** The receiver's digital LCD display showing "87.5", indicating it is in FM Radio Mode and tuned to 87.5 MHz.

### Bluetooth Operation:

- Press **MODE** until "BT" or "Bluetooth" is displayed. The unit will enter pairing mode.
- On your mobile device, enable Bluetooth and search for available devices.
- Select "SDX Audio" (or similar name) from the list. If prompted for a password, enter "0000".
- Once paired, you can stream audio from your device to the receiver.
- **Hands-free Calling:** When a call comes in, the unit will display "CALL". Press the **Answer** button (green phone icon) to answer, or the **End Call** button (red phone icon) to reject/end.

### USB Playback:

- Insert a USB flash drive containing MP3 audio files into the dedicated USB playback port.
- The unit will automatically switch to USB mode and begin playing the first compatible track.
- Use the **Forward/Backward** buttons to skip tracks.
- Use the **Play/Pause** button to pause or resume playback.
- The unit supports Repeat, Random, and Intro playback modes (refer to specific button functions on the unit).



**Figure 5:** A close-up view of the SDX Audio receiver's front panel, clearly labeling the "USB charging port" on the left and the "Music playback port" on the right. A smartphone is shown connected to the charging port, and a USB flash drive is inserted into the music playback port.

### AUX Input:

- Connect an external audio device (e.g., MP3 player, smartphone) to the 3.5mm AUX-In jack on the front panel using an audio cable.
- Press **MODE** until "AUX" is displayed.
- Audio from the connected device will now play through the car speakers. Control playback from the external device.



**Figure 6:** The receiver's digital LCD display showing "AUX", indicating it is in Auxiliary Input Mode, ready to receive audio from an external device.

### Sound Settings:

- The unit features electronic control for Volume, Bass, Treble, Balance, and Fade.
- Preset EQ modes (FLAT, CLASSIC, ROCK, POP) are available for quick sound adjustments.
- Refer to the remote control or specific button combinations on the unit for accessing these settings.

## MAINTENANCE

To ensure the longevity and optimal performance of your SDX Audio receiver, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the front panel. For stubborn dirt, dampen the cloth slightly with water. Avoid using harsh chemicals, abrasive cleaners, or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environment:** Avoid exposing the unit to extreme temperatures, high humidity, or direct sunlight for prolonged periods.
- **USB Ports:** Keep USB ports free of dust and debris.

## TROUBLESHOOTING

If you encounter issues with your receiver, consult the following table before seeking professional service:

Problem	Possible Cause	Solution
No Power	Incorrect wiring (power/ground), blown fuse, vehicle battery issue.	Check all power and ground connections. Inspect the fuse on the unit's wiring harness and replace if necessary. Verify vehicle battery voltage.
No Sound	Volume too low, Mute function active, incorrect speaker wiring, incorrect source selected.	Increase volume. Deactivate Mute. Check speaker connections. Ensure correct audio source (FM, BT, USB, AUX) is selected.
Bluetooth Not Connecting	Unit not in pairing mode, device not discoverable, interference.	Ensure unit is in Bluetooth mode. Make sure Bluetooth is enabled on your mobile device and it's in pairing mode. Try restarting both devices. Clear previous pairings.
USB Playback Error	Unsupported file format, corrupted USB drive, drive too large.	Ensure files are in MP3 format. Try a different USB drive. Format the USB drive to FAT32.
Poor Radio Reception	Antenna not connected, damaged antenna, weak signal area.	Check antenna connection. Inspect antenna for damage. Try tuning to stronger stations or move to an area with better signal.

## SPECIFICATIONS

Feature	Detail
Model Number	RUSXi167
Product Dimensions	8.5 x 6.4 x 3.1 inches
Item Weight	1 pounds
Connectivity Technology	Bluetooth, USB, Auxiliary
Output Power	100W (25W x 4CH)
USB Charging Output	5V/1.5A
FM Radio Presets	18 Stations
Display Type	Digital LCD
EQ Presets	FLAT, CLASSIC, ROCK, POP
Microphone	Built-in for Hands-free Calls

## WARRANTY AND SUPPORT

For warranty information and technical support, please contact SONDPEX customer service. Details regarding warranty coverage and duration are typically provided with your purchase documentation or can be found on the official SONDPEX website. When contacting support, please have your product model number (RUSXi167) and purchase date available. For further assistance, visit the [SONDPEX Store on Amazon](#).