

## Sangean WR-2CL

# Sangean WR-2CL Digital Tuning Portable Receiver Instruction Manual

## 1. INTRODUCTION

Thank you for purchasing the Sangean WR-2CL FM-Stereo RBDS/AM Digital Tuning Portable Receiver. This receiver features a clear, transparent polyurethane cabinet, offering a unique aesthetic while delivering high-quality audio. It is equipped with a PLL Synthesized Tuning System for precise station selection and an easy-to-read LCD display.

This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read it thoroughly before use to ensure optimal performance and longevity.

### Key Features:

- Transparent Polyurethane Cabinet
- 10 Memory Preset Stations (5 FM/5 AM)
- Easy-to-Read LCD Display
- PLL Synthesized Tuning System
- Clock Function
- Adjustable Sleep Timer and Snooze Function
- Bass Compensation for Richer Bass
- Rotary Bass and Treble Control
- 3" 7W Full Range Speaker with Enlarged Magnet
- 9-15 Voltage Power Adapter Jack for Vehicle Power
- External AM Antenna Terminal
- Stereo Headphone Jack
- REC-Out

## 2. SETUP

## 2.1 Power Connection

Connect the supplied AC power cord to the AC INPUT jack on the rear of the receiver and then plug it into a standard 120V 60Hz wall outlet. The unit can also be powered by a 9-15V DC power adapter (not included) via the DC IN jack for vehicle use.

## 2.2 Antenna Connection

For optimal reception, connect the included FM antenna to the FM ANTENNA terminal on the rear panel. For AM reception, connect the included AM antenna to the AM EXT. terminals. Ensure the INTERNAL/EXTERNAL antenna switch is set to the appropriate position.



**Figure 1: Rear Panel Connections.** This image displays the rear panel of the Sangean WR-2CL, highlighting the FM antenna input, AM external antenna terminals, ground connection, Aux-in jack, Subwoofer Out, and DC 12V power input. The internal/external antenna switch is also visible.

## 2.3 Audio Connections

- **Aux-in:** Connect external audio devices (e.g., MP3 player) to the AUX IN jack using a 3.5mm audio cable.
- **Headphones:** For private listening, plug stereo headphones into the STEREO HEADPHONE JACK.
- **Subwoofer Out:** Connect an external subwoofer to the SUBWOOFER OUT jack for enhanced bass.
- **REC-Out:** Use the REC-OUT jack to connect to a recording device.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Power On/Off and Source Selection

Press the **POWER/VOLUME** knob to turn the unit on or off. Press the **SOURCE** button repeatedly to cycle through available audio sources: FM, AM, USB, Bluetooth, and Aux-in.

### 3.2 Tuning and Volume Control

- **Tuning:** Rotate the **TUNING** knob to manually select radio frequencies. For automatic station seeking, press the **SEEK/SELECT** button.
- **Volume:** Rotate the **POWER/VOLUME** knob to adjust the audio output level.

### 3.3 Preset Stations

The receiver allows you to store up to 10 favorite stations (5 FM, 5 AM). To store a station, tune to the desired frequency, then press and hold one of the preset number buttons (1-5) until the display confirms storage. To recall a preset station, simply press the corresponding preset number button.

### 3.4 Tone Control and Dimmer

- **Bass and Treble:** Use the dedicated **ROTARY BASS AND TREBLE CONTROL** knobs to fine-tune the audio's bass and treble levels according to your preference.

- **Dimmer:** Rotate the **DIMMER** knob to adjust the brightness of the LCD display.

### 3.5 Bluetooth Pairing

To pair a Bluetooth device, select the Bluetooth source mode. The display will indicate 'Pairing'. On your mobile device, search for 'SANGEAN WR-2CL' and select it to connect. Once paired, you can stream audio wirelessly to the receiver.

**Video 1: Sangean WR-12 AM/FM Analog Radio Receiver Overview.** This video demonstrates the general operation of a Sangean AM/FM analog radio, including tuning, volume adjustment, and connecting external devices via Aux-in and external antennas. While a different model, the core functionalities for AM/FM tuning and external connections are similar.

## 4. SPECIFICATIONS

Feature	Detail
Display	LCD, Graphic 128 x 64
View Area	3.5" x 2.16"
Earphones Output	5 + 5 mW
Power Supply	120V 60 Hz (AC) / 9-15V (DC)
Dimensions (WxHxD)	9.45" x 4.41" x 7.61"
Weight	5 lbs 10.6 oz
Tuner Technology	AM/FM (PLL Synthesized)
Connectivity Technology	Auxiliary, Bluetooth
Speaker	3" 7W Full Range Speaker

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Sangean WR-2CL receiver, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, waxes, or solvents as they may damage the cabinet finish.
- **Ventilation:** Ensure adequate ventilation around the receiver. Do not block any ventilation openings.
- **Placement:** Place the unit on a stable, level surface away from direct sunlight, heat sources, and excessive moisture.

- **Power Cord:** Regularly inspect the power cord for any damage. If damaged, discontinue use and replace with an approved cord.

## 6. TROUBLESHOOTING

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If you encounter any issues with your Sangean WR-2CL, refer to the following common troubleshooting steps:

- **No Power:** Ensure the AC power cord is securely plugged into both the receiver and a working wall outlet. If using DC power, verify the adapter is correctly connected and providing the correct voltage.
- **Poor Radio Reception:** Extend and adjust the FM antenna for better FM reception. For AM, ensure the AM antenna is properly connected and positioned away from electronic devices that may cause interference. Try adjusting the INTERNAL/EXTERNAL antenna switch.
- **No Audio from External Device (Aux-in/Bluetooth):** Verify that the correct source is selected on the receiver. Check the volume level on both the receiver and the external device. For Bluetooth, ensure the device is properly paired.
- **No Sound from Headphones:** Ensure headphones are fully inserted into the jack. Adjust the volume.

If problems persist after trying these steps, please contact Sangean customer support.

## 7. WARRANTY AND SUPPORT

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### 7.1 Warranty Information

Your Sangean WR-2CL receiver comes with a limited warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and registration details. Keep your purchase receipt as proof of purchase for warranty claims.

### 7.2 What's in the Box

- Sangean WR-2CL Receiver
- Owner's Manual
- AC Power Cord
- FM Antenna
- AM Antenna

### 7.3 Customer Support

For further assistance, technical support, or service inquiries, please visit the official Sangean website or contact their customer service department using the information provided in your warranty documentation.

