SANSUI MSR-1

SANSUI MSR-1 Bluetooth Speaker AM/FM Radio User Manual

Model: MSR-1 WD

1. INTRODUCTION

Thank you for purchasing the SANSUI MSR-1 Bluetooth Speaker AM/FM Radio. This manual provides detailed instructions for the safe and efficient use of your device. Please read this manual thoroughly before operation and retain it for future reference.

2. PRODUCT OVERVIEW

The SANSUI MSR-1 is a compact, portable audio device combining a Bluetooth speaker with an AM/FM radio. Its design evokes a classic 1950s radio aesthetic, while offering modern connectivity options. It features a passive radiator for enhanced bass and can play music from various sources including Bluetooth, USB, microSD, and AUX input.

Image 2.1: Front view of the SANSUI MSR-1 Bluetooth Speaker AM/FM Radio, showcasing its wood finish and retro design.

3. KEY FEATURES

- **Retro Design:** Inspired by 1950s radio aesthetics, offering a classic look.
- **Compact & Portable:** Palm-sized dimensions for easy carrying and placement.
- **Powerful Bass:** Equipped with a passive radiator for enhanced low-frequency sound reproduction.
- **Bluetooth Connectivity:** Wirelessly stream audio from smartphones and other Bluetooth-enabled devices (Bluetooth Ver4.2+EDR Class2, A2DP, AVRCP profiles).
- **AM/FM Radio:** Built-in tuner for receiving AM (520-1620kHz) and FM (76-108MHz) broadcasts.
- **Multiple Playback Options:** Supports audio playback from USB memory (up to 32GB, FAT32, MP3 format) and microSD cards (up to 32GB SDHC, FAT32, MP3 format).
- **AUX Input:** 3.5mm mini-plug external input for connecting non-Bluetooth audio sources.
- **Built-in Rechargeable Battery:** For portable use.

Image 3.1: Diagram illustrating the compact size and the passive radiator technology for powerful bass reproduction.

4. SETUP

4.1. Unpacking

Carefully remove the SANSUI MSR-1 from its packaging. Verify that all accessories are present:

- SANSUI MSR-1 Unit
- Micro USB Cable (1 pc)
- Instruction Manual (including warranty information)

4.2. Powering the Device

The MSR-1 operates on an internal rechargeable battery or via a USB AC adapter (sold separately).

1. **Charging:** Connect the supplied Micro USB cable to the unit's Micro USB port and the other end to a USB AC adapter (output 5V/1A or higher, AC100V 50/60Hz recommended). The charging indicator will illuminate.
2. **First Use:** For optimal battery life, fully charge the unit before its first use.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Control

Locate the **ON/OFF** / **VOL** knob on the front panel.

- **Power On:** Rotate the **ON/OFF** / **VOL** knob clockwise until it clicks and the display illuminates.
- **Power Off:** Rotate the **ON/OFF** / **VOL** knob counter-clockwise until it clicks and the display turns off.
- **Volume Adjustment:** Once powered on, continue rotating the **ON/OFF** / **VOL** knob clockwise to increase volume and counter-clockwise to decrease volume.

5.2. Mode Selection

Use the mode switch (labeled **BT/AUX**, **FM**, **AM**) to select your desired audio source.

5.3. AM/FM Radio Operation

1. **Select Mode:** Set the mode switch to **FM** or **AM**.
2. **Extend Antenna:** For FM reception, fully extend the telescopic antenna located on the back of the unit. For AM reception, the internal antenna is used, but adjusting the unit's orientation may improve reception.
3. **Tune Station:** Rotate the **TUNING** knob to scan for radio stations. The frequency will be displayed on the front panel.

Image 5.1: Close-up view of the control panel, showing the tuning knob, volume/power knob, and mode switch for AM, FM, and BT/AUX.

5.4. Bluetooth Operation

1. **Select Mode:** Set the mode switch to **BT/AUX**. The unit will enter Bluetooth pairing mode, indicated by a flashing Bluetooth indicator (if present, or an audible prompt).

2. **Enable Bluetooth on Device:** On your smartphone or other Bluetooth device, enable Bluetooth and search for available devices.

3. **Pair:** Select "SANSUI MSR-1" (or similar name) from the list of found devices. Once paired, the unit will emit a confirmation sound, and the Bluetooth indicator will stop flashing.

4. **Play Audio:** Start playing audio on your connected device. The sound will be output through the MSR-1 speaker.

Image 5.2: The SANSUI MSR-1 wirelessly connected to a smartphone via Bluetooth, suitable for outdoor use due to its built-in battery.

5.5. USB/MicroSD Playback

The MSR-1 supports MP3 audio files from USB memory sticks and microSD cards.

1. **Insert Media:** Insert a USB memory stick into the USB port or a microSD card into the microSD slot.

2. **Automatic Playback:** The unit should automatically detect the media and begin playing MP3 files.

3. **Navigation:** Use the playback control buttons (e.g., Play/Pause, Next/Previous Track) on the unit to control audio playback.

5.6. AUX Input Operation

1. **Select Mode:** Set the mode switch to **BT/AUX**.

2. **Connect Cable:** Connect a 3.5mm audio cable (not supplied) from your external audio device's headphone jack or line-out to the AUX input port on the MSR-1.

3. **Play Audio:** Start playing audio on your external device. The sound will be output through the MSR-1 speaker.

6. MAINTENANCE

6.1. Cleaning

To maintain the appearance of your MSR-1, wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.

6.2. Battery Care

The MSR-1 contains a built-in rechargeable lithium-ion battery. To prolong battery life:

- Avoid exposing the unit to extreme temperatures.
- If storing the unit for an extended period, charge it to approximately 50% every few months.
- **Note:** The internal battery is not user-replaceable. Attempting to replace the battery may damage the unit and void the warranty.

7. TROUBLESHOOTING

If you encounter issues with your SANSUI MSR-1, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on	Battery is depleted.	Connect the unit to a USB AC adapter and charge the battery.
No sound	Volume is too low or muted. Incorrect mode selected.	Increase the volume. Ensure the correct mode (AM, FM, BT/AUX) is selected.
Poor radio reception	Antenna not extended (FM). Unit orientation (AM). Weak signal.	Fully extend the telescopic antenna for FM. Adjust the unit's position for AM. Try moving the unit to a different location.
Bluetooth pairing fails	Bluetooth not enabled on source device. Unit not in pairing mode. Device too far.	Ensure Bluetooth is enabled on your device. Set MSR-1 to BT/AUX mode. Move devices closer (within 10 meters).
USB/microSD playback issues	Unsupported file format. Corrupted files. Media capacity exceeded.	Ensure files are MP3 format. Check media for corruption. Verify media is 32GB or less and FAT32 formatted.
Noise during charging	Electrical interference from charging.	This can occur with some chargers. Operate the unit on battery power for optimal audio quality.

8. SPECIFICATIONS

The following are the technical specifications for the SANSUI MSR-1 Bluetooth Speaker AM/FM Radio:

Feature	Specification
Model Number	MSR-1 WD
Output Power (RMS/THD10%)	5W
USB Memory Support	VER2.0, Max 32GB, FAT32, Max 999 files, Max 99 folders
microSD Card Support	Max SDHC 32GB, FAT32, Max 999 files, Max 99 folders
Bluetooth Version	Ver4.2+EDR Class2
Bluetooth Profiles	A2DP, AVRCP (SCMS-T not supported)
FM Tuner Frequency	76 - 108MHz
AM Tuner Frequency	520 - 1620kHz
Speaker	57mm Full-range + Passive Radiator
Playback Sources	USB/microSD (MP3), Bluetooth, AUX
External Input Terminal	Mini-plug (AUX) 1 system
Power Source	Internal Rechargeable Battery, USB AC Adapter (5V/1A or higher, sold separately)
Product Dimensions (W x D x H)	15.8 cm x 10.6 cm x 9.9 cm
Product Weight	Approximately 580 g

Image 8.1: Diagram illustrating the physical dimensions of the SANSUI MSR-1: 15.8cm width, 10.6cm depth, and 9.9cm height.

9. WARRANTY AND SUPPORT

This product comes with a manufacturer's warranty. Please refer to the warranty information included in your instruction manual for details on coverage and duration. For technical support, service, or inquiries, please contact the retailer or the SANSUI customer service department.
Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - MSR-1

[Sansui AU-101 Stereo Amplifier Service Manual](#)

Comprehensive service manual for the Sansui AU-101 stereo amplifier, providing technical specifications, circuit analysis, troubleshooting guides, and maintenance procedures. Includes comparisons to models like the AU-555A.

[Sansui Electronics Corporation Service Manual](#)

This document provides service information for Sansui Electronics Corporation products, including parts lists and technical specifications.
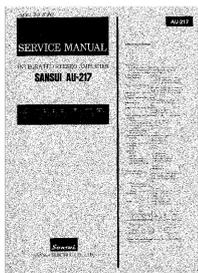
[Sansui SD-5000 Service Handbook: Technical Guide for Reel-to-Reel Tape Recorder Maintenance](#)

Explore the Sansui SD-5000 Service Handbook, a comprehensive technical guide for service engineers detailing the repair, adjustment, and maintenance procedures for the SD-5000 reel-to-reel tape recorder.

[SANSUI F55 Language Modification Guide](#)

Step-by-step instructions for changing the language settings on the SANSUI F55 Bluetooth Speaker Player to English, detailing button presses and menu navigation.

[SANSUI AU-217 Integrated Stereo Amplifier Service Manual](#)

Comprehensive service manual for the SANSUI AU-217 Integrated Stereo Amplifier, detailing specifications, block diagrams, circuit operations, adjustment procedures, parts lists, schematics, and packing information.

[Sansui AU-X1 Super Integrated Amplifier Service Manual](#)

Comprehensive service manual for the Sansui AU-X1 Super Integrated Amplifier, detailing specifications, technical explanations of high-speed power transistors, block diagrams, parts lists, and adjustment and replacement procedures for audio professionals and technicians.