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Sangean ATS404

Sangean ATS-404 AM/FM Digital Shortwave World Band Receiver User Manual

Model: ATS-404

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Sangean ATS-404 AM/FM Digital Shortwave World Band Receiver. Please read this manual thoroughly before using the device to ensure proper function and to maximize your listening experience. The ATS-404 is designed for reliable reception across AM, FM, and various shortwave bands, offering a portable solution for global radio enthusiasts.

2. SAFETY INFORMATION

- **Power Source:** Use only the specified power adapter or batteries. Incorrect power sources can damage the unit and void the warranty.
- **Battery Handling:** Do not mix old and new batteries, or different types of batteries. Remove batteries if the unit will not be used for an extended period to prevent leakage.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or extreme humidity. Avoid placing liquids near the radio.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.

3. PRODUCT FEATURES

The Sangean ATS-404 offers a range of features for enhanced radio reception and user convenience:

- Full Shortwave 14 Meter Bands reception.
- Dedicated SW Meter Band Selection.
- 45 Memory Preset Stations for quick access.

- AM/FM and stereo shortwave reception capabilities.
- Illuminated 12/24-hour digital display.
- Repeating beep alarm with volume increasing every 15 seconds for 1 minute.
- Adjustable sleep timer and snooze control.
- Automatic memory scan and auto preset system.

4. PACKAGE CONTENTS

Upon unpacking, please verify that all items are present:

- Sangean ATS-404 Receiver Unit
- Carrying Case
- Stereo Earbuds
- AC Power Adapter (if included with your model)
- User Manual (this document)

5. CONTROLS AND DISPLAY

Familiarize yourself with the layout of your ATS-404 receiver:



An image showing the front view of the Sangean ATS-404 radio. It is silver-grey with a black speaker grille on the left and a digital display on the right. Below the display are numerical buttons (0-9) and function buttons like BAND, SW SELECT, MEMO SCAN, DUAL TIME, TUNING, and ALARM. A telescopic antenna is extended from the top right side.

Front Panel Controls:

- **POWER Button:** Turns the radio on or off.
- **DISPLAY Button:** Toggles display information.
- **12/24 Button:** Switches between 12-hour and 24-hour time formats.
- **ALARM Button:** Activates or sets the alarm function.
- **BAND Button:** Selects between AM, FM, and Shortwave bands.
- **SW SELECT Button:** Cycles through available Shortwave meter bands.
- **MEMO SCAN Button:** Initiates memory scan.
- **DUAL TIME Button:** Activates or sets the dual time display.
- **Numerical Buttons (0-9):** Used for direct frequency entry and memory preset selection.
- **TUNING Up/Down Arrows:** Adjusts frequency or navigates menus.
- **FREQ/TIME / ENTER Button:** Confirms selections or switches between frequency and time display during setting.
- **AUTO PRESET:** Automatically scans and stores stations.

Display Indicators:

- **Digital Frequency/Time Display:** Shows current frequency, time, and other operational information.
- **Battery Indicator:** Displays remaining battery life.
- **Alarm Indicator:** Lights up when the alarm is active.
- **Stereo Indicator:** Appears when FM stereo signal is received (via headphones).

6. SETUP

6.1. Battery Installation

The ATS-404 requires 4 AA batteries for portable operation.

1. Locate the battery compartment on the back of the unit.
2. Open the battery compartment cover.
3. Insert 4 AA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.

6.2. Power Connection

For continuous use or to conserve batteries, you can use the AC power adapter (if included).

1. Connect the AC adapter to the DC IN jack on the side of the radio.
2. Plug the adapter into a standard wall outlet.

6.3. Antenna Adjustment

- **FM/Shortwave:** Extend the telescopic antenna fully and rotate it for optimal reception.
- **AM (MW):** The radio uses a built-in ferrite bar antenna. For best AM reception, rotate the entire radio unit.

7. OPERATING INSTRUCTIONS

7.1. Power On/Off

Press the **POWER** button to turn the radio on or off.

7.2. Band Selection

Press the **BAND** button repeatedly to cycle through FM, AM (MW), and Shortwave (SW) bands.

7.3. Tuning

- **Manual Tuning:** Use the **TUNING Up/Down Arrows** to adjust the frequency incrementally.
- **Direct Frequency Entry:** Enter the desired frequency using the numerical buttons, then press **ENTER**.
- **Auto Scan:** Press and hold the **TUNING Up/Down Arrows** to automatically scan for the next available station.
- **Shortwave Meter Band Selection:** When in SW mode, press the **SW SELECT** button to jump between predefined shortwave meter bands.

7.4. Volume Control

Adjust the volume using the dedicated volume control knob, typically located on the side of the unit.

7.5. Memory Presets

The radio can store up to 45 stations (presets).

- 1. Storing a Station:** Tune to the desired station. Press and hold the **M** (Memory) button until the preset number flashes. Use the numerical buttons or **TUNING Arrows** to select a memory location, then press **ENTER**.
- 2. Recalling a Station:** Press the **M** button briefly, then enter the preset number using the numerical buttons. Alternatively, use the **TUNING Arrows** to cycle through stored presets after pressing **M**.
- 3. Auto Preset System:** Press the **AUTO PRESET** button to automatically scan and store strong stations into memory.
- 4. Memory Scan:** Press the **MEMO SCAN** button to automatically scan through all stored memory presets, playing each for approximately seven seconds.

7.6. Setting the Clock and Alarm

- 1. Setting Time:** With the radio off, press and hold the **FREQ/TIME** button. Use the **TUNING Arrows** to set the hour, then press **FREQ/TIME** again to set the minutes. Press **FREQ/TIME** to confirm.
- 2. 12/24 Hour Format:** Press the **12/24** button to switch between 12-hour (AM/PM) and 24-hour formats.
- 3. Setting Alarm:** With the radio off, press and hold the **ALARM** button. Use the **TUNING Arrows** to set the alarm time, then press **ALARM** to confirm. Press **ALARM** again to activate or deactivate the alarm (an alarm icon will appear on the display when active). The alarm features a repeating beep tone that increases in volume over 1 minute.

7.7. Sleep Timer

The sleep timer allows the radio to turn off automatically after a set period. Press the **SLEEP** button (if available, or a combination with **POWER**) repeatedly to cycle through available sleep times (e.g., 15, 30, 60, 90 minutes).

7.8. Dual Time Display

Press the **DUAL TIME** button to activate a second time display, useful for tracking a different time zone. Follow the on-screen prompts or manual instructions to set the dual time.

8. MAINTENANCE

- Cleaning:** Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Battery Replacement:** Replace all batteries when the low battery indicator appears or when performance degrades.
- Storage:** If storing the radio for an extended period, remove the batteries to prevent leakage. Store in a cool, dry place.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Batteries are dead or incorrectly inserted; AC adapter not connected or faulty.	Replace batteries, check polarity. Ensure AC adapter is securely connected and functional.
Poor reception	Antenna not extended; weak signal; interference.	Extend and adjust the telescopic antenna. Rotate the radio for AM. Move away from electronic devices causing interference.
Cannot store presets	Incorrect procedure for storing.	Refer to section 7.5 for detailed instructions on storing memory presets.
Alarm does not sound	Alarm not activated; volume too low.	Ensure the alarm icon is visible on the display. Increase the volume.
Display backlight not working	Low battery power.	Replace batteries or use AC power.

10. SPECIFICATIONS

- Product Dimensions:** 6.5 x 1.25 x 4 inches
- Item Weight:** 1.2 pounds
- Power Source:** Corded Electric or 4 AA batteries (not included)
- Tuner Technology:** AM, FM, Shortwave
- Radio Bands Supported:** AM, FM, Shortwave (14 Meter Bands)
- Memory Presets:** 45 stations
- Connectivity Technology:** Auxiliary (for earphone output)
- Manufacturer:** Sangean America, Inc.

11. WARRANTY AND SUPPORT

The Sangean ATS-404 is covered by a manufacturer's warranty for one year on parts and labor. For warranty claims or technical support, please contact Sangean America, Inc. customer service. Keep your purchase receipt as proof of purchase for warranty validation.