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SANGEAN RCR-3 Atomic Digital Analog Clock Instruction Manual

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Contents

Important safety instructions

1. Read and understand all safety and operating instructions before the radio is operated.

2. Retain instruction: The safety and operating instructions should be retained for future reference.

3. Heed warnings. All warnings on the appliance and operating instructions should be followed.

4. Follow all operations and use instructions.

5. Water and moisture: The appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.

6. Unplug the radio from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the radio.

7. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the radio.

8. **Ventilation:** This radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce air flow through the ventilation openings.

9. **Power sources:** The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer or power company.

10. **Power cords:** The power cord should be positioned so it is not walked on, pinched, or items placed on top of it. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the power cord by gripping the power plug, not the cord. Operate the radio using only the current type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer or
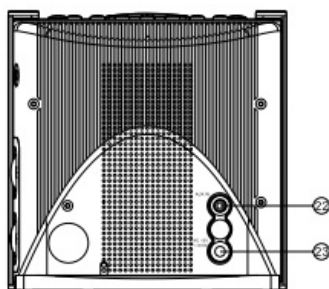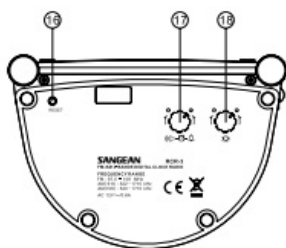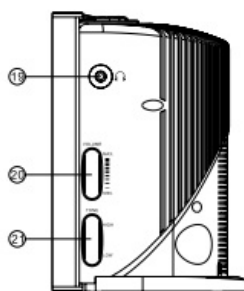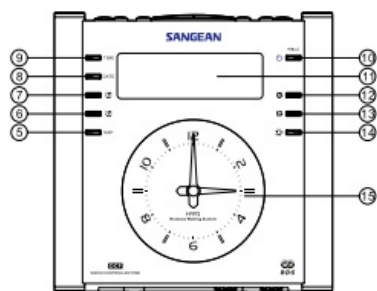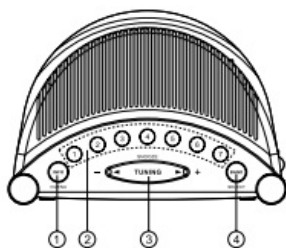
local power company.

11. Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the radio through opening. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock.

12. If the radio is left attended and unused for long periods of time, unplug it form the wall outlet. This will prevent damage caused by lightning or power line surges.

13. Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty. Refer all servicing to authorized service personnel.

14. Object and Liquid Entry-Never push objects of any kind into this radio through opening as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind of product.

The appliance should be serviced by qualified service personnel when:

A. The power supply cord or the plug has been damaged.

B. Objects have fallen or liquid had been spilled into the radio.

C. The radio has been exposed to rain or water.

D. The radio does not appear to operate normally or exhibits a marked change in performance.

E. The radio has been dropped, or the enclosure damaged.
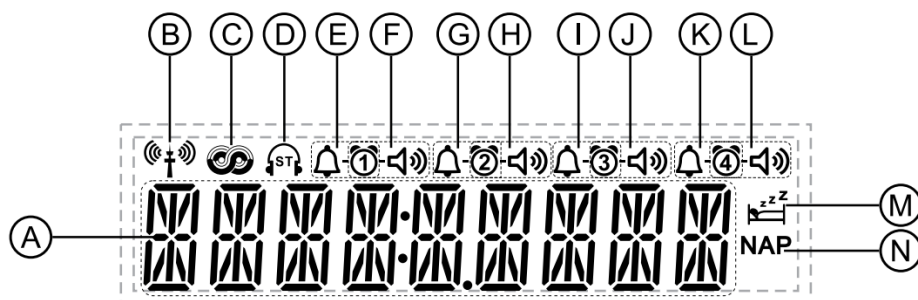
Controls

1. Info / Menu button

2. Preset button

3. Tuning up / down button / Snooze button

4. Band / Select button

5. Nap button

6. Alarm 3 button

7. Alarm 1 button

8. Date set button

9. Time set button

10. Power button / Sleep timer

11. Display

12. Alarm 2 button

13. Alarm 4 button

14. Light button

15. Clock

16. Reset button

17. Alarm sound level control

18. Light level control

19. Headphone socket

20. Volume control

21. Tone control

22. Aux in socket

23. Main power socket

Display

A Time and frequency indicator
B Radio-controlled time signal
C RDS indicator
D Stereo indicator
E Alarm 1 with buzzer alarm indicator
F Alarm 1 with radio alarm indicator
G Alarm 2 with buzzer alarm indicator
H Alarm 2 with radio alarm indicator
I Alarm 3 with buzzer alarm indicator
J Alarm 3 with radio alarm indicator
K Alarm 4 with buzzer alarm indicator
L Alarm 4 with radio alarm indicator
M Sleep / Snooze indicator
N Nap indicator

Using the clock radio for the first time

1. Place your clock radio on a flat surface.
2. Fully extend the wire aerial located on the rear of your clock radio.
   Place the wire antenna so that it is straight as possible extending either above or below the radio.
3. Insert the adaptor plug into the AC socket located on the rear of your clock radio. The display will show "time zone" for a few seconds and then the display will ask you to set your time zone.
   To set the time zone, press the Tuning up/down button and the Select button to confirm. The clock hands will then move to 12:00 and _ _ : _ _ will show on the display. The radio will scan for signal and if a signal is found and received completely it will then show on the screen without flashing. Now the radio will show both the current time and the clock hands will then move to show the correct time.
4. If no signals are found, will be flashing on the display. It may be necessary to relocate your clock radio to a position giving better reception.

IMPORTANT:
The mains adaptor is used as the means of connecting the clock radio to the mains supply. The mains socket used for the clock radio must remain accessible during normal use. In order to disconnect the radio from the mains completely, the mains adaptor should be removed from the mains socket outlet completely. Characters appearing on the LCD display indicates the clock radio is connected to and powered from the mains supply.

Clock

Manual clock setting (only if automatic setting fails)

1. Press and hold the **TIME** button to enter the clock setting, and the hour digits will flash on the display.
2. Press the **TUNING** up or down button to adjust the hours. Then press the **BAND** / **SELECT** button to confirm the setting. The minute digits will flash on the display.
3. Press the **TUNING** up or down button to adjust the minutes.
   Then press the **BAND** / **SELECT** button to confirm the setting. Now the clock setting is completed.

Manual date setting (only if automatic setting fails)

1. Press and hold the **DATE** button to enter the date setting and then the year digits will flash.
2. Press the **TUNING** up or down button to adjust the year. Then press the **BAND** / **SELECT** button to confirm the setting. The month digits will flash.
3. Press the **TUNING** up or down to adjust he month. Then press the **BAND** / **SELECT** button to confirm the setting. The date digits will flash.
4. Press the **TUNING** up or down button to adjust the date. Then press the **BAND** / **SELECT** button to confirm the setting. Now the time setting is completed.

Change 12/24 hour clock format

1. Press and hold **INFO**/**MENU** button to enter the setting.
2. Press the **TUNING** up or down button until '**CLOCK** 24H' is highlighted on the display. Press the **BAND**/**SELECT** button to enter the setting.

3. Press the **TUNING** up or down button to choose 12/24 hour clock format. Press **BAND/SELECT** button to confirm the setting.

D.S.T. (Daylight Saving Time)

1. Press and hold the **INFO/MENU** button to enter the menu setting.
2. Press the **TUNING** up or down button until **'DST OFF'** is appeared on the display. Press the **BAND/SELECT** button to enter the setting.
3. Press the **TUNING** up or down button to choose '+1H' (activated D.S.T.) or **'OFF'.** Then press the **BAND/SELECT** button to confirm the setting.

Radio operation

Tuning into radio stations
There are 3 ways of tuning your radio:

A. Manual tuning

1. Press the Standby button to turn on your radio.
2. Press the **BAND** button repeatedly to select **AM (MW)** or **FM** waveband.
3. Press the **TUNING** up or down button to change the frequency.

B. Scan tuning

1. Press the Standby button to turn on your radio.
2. Press the **BAND** button repeatedly to select **AM (MW)** or FM waveband.
3. Press and hold the **TUNING** up or down button. Your radio will scan in an upwards direction (low frequency to high frequency) or downwards direction (high frequency to low frequency) and stop automatically when it finds a station of sufficient strength.

C. Presetting and recalling stations
Presetting stations:

1. Press the Standby button to turn on your radio.
2. Press the BAND button repeatedly to select AM (MW) or FM waveband.
3. Tune into the station that you would like to preset.
4. There are 7 preset buttons from 1 to 7. Press and hold one of preset buttons until the radio beeps, and the station frequency will be saved into the chosen preset.
5. Repeat the procedure for the remaining presets. Your radio has 7 presets for each AM and FM.
6. The preset can be overwritten by following the above procedure.

Recalling stations:

1. Press the BAND button for AM or FM.
2. Press and release one of the **PRESET** buttons (from 1 to 7) and the preset number and frequency will appear

on the display.

Setting up the tuning step increment

1. Press and hold the **INFO**/**MENU** button to enter the menu setting when the radio source is in **AM**/**FM** mode.
2. Press the **TUNING** up or down button until FM xxkHz or AM xxkHz appears on the display, and press the **BAND**/**SELECT** button to enter the step increment setting.
3. Press the Tuning up/down button to select 50kHz/100kHz for FM radio, and 9kHz/10kHz for AM radio. Then press the BAND/ **SELECT** button to confirm the setting.

Note:
If the unit is bought in Russian areas, FM step options will be 50kHz/10kHz.

Display modes – FM

Your radio has four display modes for FM radio. These data provided by broadcasters which is commonly known as RDS.

The Radio Data System (RDS) is a system in which inaudible digital information is transmitted in addition to the normal FM radio programme.

RDS offers several useful features. The following are available on your radio:-

1. Press the Info button to cycle through the various modes.
   a. Station name Displays the name of the station being listened to.
   b. Programme Type Displays the type of station being listened to e.g. Pop, Classic, News, etc.
   c. Radio text Displays radio text message such as, new item etc.

If there is no RDS data available (or if the signal is too weak) then the radio will display only the FM frequency.

Setting the clock time

Radio-controlled clock
There are three options to set up the clock time:
Radio-controlled clock, FM Radio Data System (RDS) and Manual setting. When the unit is first plugged in, the radio will automatically synchronize its clock time with the Radio-controlled clock signal received while the radio is in power off mode.

1. To set up the clock time using the Radio-controlled clock function, press and hold the **INFO**/**MENU** button when the unit is in power off mode.

2. Press the **TUNING** up/down button until a clock symbol appears on the display. Press the **BAND**/**SELECT** button to enter the menu setting.
3. Press the **TUNING** up/down button until DCF77 (European version), **WWVB** (US version) or JJY40/60 (Japan version) appeared on the display. Press the **BAND**/**SELECT** button to confirm the setting. And the clock time of the radio will set up automatically to the Radio-controlled clock time.
4. If the radio-controlled clock signal is being received by the radio, the radio-controlled time icon will flash on the

display at an internal of 1 second. If the radio is not receiving any radio-controlled clock signal, the radio-controlled time icon will flash at an interval of 3 seconds.

5. The radio will synchronize its clock time on the hour. If the radio time has been synchronized with radio-controlled clock time, the radio-controlled time icon will stay on the LCD display and the radio will keep synchronizing its clock time every odd hour on the hour. If the radio is receiving the radio-controlled clock signal but is not yet synchronized to the radio-controlled clock time, it will synchronize its clock time at every hour on the hour.

Radio Data System (RDS)
When you set the clock time using the RDS function, your radio will synchronize its clock time whenever it tunes to a radio station using RDS with CT signals.

1. When tuning to a station transmitting RDS data, press and hold the **INFO/MENU** button.

2. Press the TUNING up/down button until a clock symbol [clock symbol] appears on the display. Press the BAND/SELECT button to enter the setting.

3. Press the TUNING up/down button until RDS CT (or 'RBDS CT' In the US) appears on the display. Press the BAND/SELECT button to confirm the setting. The clock time of the radio will set up automatically according to the RDS data received.

4. When the action is completed, the RDS icon [RDS icon] will appear on the LCD display indicating the radio time is RDS clock time. The radio cock time will be valid for 24 hour each time the radio time is synchronized with RDS CT.

Manual setting
When choosing manual setting as the clock time setting of your radio, the radio-controlled clock and Radio Data System (RDS) function will both be disabled.

1. Press and hold the INFO/MENU button.

2. Press the TUNING up/down button until a clock symbol [clock symbol] appears on the left side of the display, then press the BAND/SELECT button to enter the setting. Press the TUNING up/down button until 'MANUAL' appeared on the display, then press the BAND/ SELECT button to select the setting.

3. Then follow the steps described in the section of 'Manual clock setting' in P.8 to set the clock time manually.

Alarm operation

There are four alarms which can each be set to wake you to AM/ FM radio or buzzer alarm. The alarms may be set while the unit is in standby mode or while playing. When the alarm light is on, it means the indicated alarm will active in 24 hours. Ensure that the time is set correctly before setting the alarms.

1. Before setting an alarm ensure the clock time is set. Press and hold any of the Alarm button to enter the alarm setting (e.g. Alarm 1 button to enter the alarm 1 setting).

2. The hour setting of alarm 1, for example, will begin to flash. Press the TUNING up/down button to select the required alarm hour, and press the BAND/SELECT button to confirm the setting. Press the TUNING up/down

button to select the required alarm minute, and press the BAND/SELECT button to confirm the setting.

3. Then the display will show the frequency options for the alarm.

    Press the TUNING up/down button to select the desired option and press the BAND/SELECT button to confirm the setting.

    The alarm options are as follows:

    ONCE – the alarm will sound once

    DAILY – the alarm will sound everyday

    WEEKDAY – the alarm will sound only on weekdays

    WEEKEND – the alarm will sound only at weekends

4. Press the TUNING up/down to choose the required alarm type, and then press the BAND/SELECT button to confirm the setting. The alarm can be set to buzzer, FM or AM.

When radio mode is selected, the radio frequency and the preset number on the display will begin to flash. Press the TUNING up/ down to adjust the required radio frequency or the required preset number for the radio alarm, then press the BAND/SELECT button to confirm the setting. The alarm has now been set. Symbol for active alarm(such as) is shown on the display.

When the alarm sounds
When the buzzer alarm activates, the alarm will start softly and gradually increase in level. It will sound for 1 minute and silence for 1 minute in repetition for 60 minutes unless cancelled. When the other alarm types are set, the radio will sound non-stop at the selected time for up to 60 minutes.

When the radio alarm is activated, the alarm will go off in Humane Waking System. It will increase its volume in 0.5increments from 0 to your set volume.
To cancel a sounding alarm, press the Standby button to cancel a sounding alarm.

Disabling / cancelling alarm setting
To cancel the alarm setting, press and hold the corresponding alarm button before the alarms sound off.

Snooze

1. When the alarm sounds, press any button other than the Standby button will silence the alarm for 5 minutes. "SNOOZE' will appear on the display.

2. To adjust the silence time for the snooze timer, press and hold the INFO/MENU button to enter the menu setting.

3. Press the TUNING up/down until "SNOOZE X" shown on the display, then press the BAND/SELECT button to enter the setting.

    Press the TUNING up/down button to adjust the silence time.

    There are 5, 10, 15 and 20 minutes for the snooze timer.

4. To cancel the snooze timer while the alarm is suspended, press the Standby button.

Sleep timer – radio auto shut off

Your radio can be set to turn off automatically after a preset time has elapsed. The Sleep Timer setting can be adjusted between 15,30, 45, 60, 90 and 12 0 minutes.

1. Press and hold the Standby button to enter the Sleep Timer setting. **"SLEEP XX"** will show on the display.

2. Keep holding the Standby button and the Sleep Timer options will start switching on the display. Stop until the desired Sleep Timer setting appears on the display. The setting will be saved and the LCD will return to normal display.

3. Your radio will switch off automatically after the preset Sleep
Timer has elapsed. The Sleep Timer icon will show on the display indicating an active Sleep Timer.

4. To cancel the Sleep Timer function before the preset time has elapsed, simply press and release the Standby button to turn the unit off manually.

Nap timer

1. Press and hold the Nap timer button to enter the menu setting.
Keep holding the Nap timer button and the options will start switching on the display from 1 to 120 minutes. Stop until the required Nap Timer setting appears on the display. The setting will be saved and the LCD will return to normal display with the 'NAP' icon shown on the display.

2. To view the remaining time of an active timer setting, press the Nap timer button. To cancel a sounding Nap timer, press Standby button. If any button other than the Standby button is pressed when the alarm sounds, snooze function will be activated. To cancel the function when countdown is progressing, go to nap timer setting menu and select 'OFF'.

Time zone setting

Your radio can set up the time zone for its radio clock time.

1. Press and hold the INFO/MENU button to enter the menu setting.

2. Press the TUNING up/down button until 'TIME ZONE' appears on the display. Press the SELECT button to enter the setting.

3. Press the TUNING up/down button to choose the Time zone setting for your area, then press the SELECT button to confirm the setting. The options for European countries are –2H, -1H, 0, +1H, +2H, +3H The options for the US are EST, CST, MST, PST, ALAS, HAW

4. Press and release the INFO/MENU button and the LCD will revert to the normal display.

Note:
When switching on the radio after a power disconnection, you will need to complete the time zone setting before the normal operation of the radio.

Software version

The software display cannot be altered and is just for your reference.

1. Press and hold the INFO/MENU button to enter the menu setting.

2. Press the TUNING up/down button until "VER XX" appears on the display to view the software version of your radio.

Display back light

The brightness of the display can be adjusted when the radio is in Standby mode and when it is in use. Press the Back light button and the display will illuminate. To turn off the back light, press the Back light button again.

At the same time, you can adjust the display back light level by rotate the back light control at the bottom of your radio.

Factory reset

If you wish to completely reset your radio to its initial state this may be performed by the following procedure.

1. Press and hold the INFO/MENU button to enter the menu setting.
2. Press the TUNING up/down button until "FACTORY" shown on the display. Press the Select button to enter the setting.
3. Press the TUNING up/down button to select 'YES', and press the Select button to confirm the setting . A full reset will be performed.
   The station list and presets will be set to empty. Alarms will be cancelled and timer and sleep timer settings will be set to their default values.

RESET the radio

If your radio fails to operate correctly or some digits on the display are missing or incomplete, please carry out the following procedure.

1. Switch off the radio.
2. With the aid of a suitable implement (e.g. paper clip), press the RESET button located in the bottom of your radio for at least 2 seconds. This will reset the microprocessor clock time and clear all stations stored in the preset memory.

Auxiliary input socket

A 3.5mm stereo Auxiliary Input socket is provided on the rear of your radio to permit an audio signal to be fed into the unit from an external audio device such as iPod, MP3 or CD player.

1. Repeatedly press and release the Band button until AUX IN is shown.
2. Connect an external audio source (for example, iPod, MP3 or CD player) to the Auxiliary Input socket.
3. Adjust the volume setting on your iPod, MP3 or CD player to ensure an adequate signal level from the player, and then rotate the Volume control on the radio as needed for comfortable listening.

Headphone socket

A 3.5mm Headphone socket located on the right hand side of your radio is provided for use with either headphones or an earpiece.
Inserting a plug automatically mutes the internal loudspeaker.

IMPORTANT:
Excessive sound pressure from earphones and headphones can cause hearing loss.

Specifications

Power supply:
120 Volt/60 Hz (USA version/Australia version)/ADAPTOR DC OUT 12V/0.7A; 230 Volt/50 Hz (Europe version)/ADAPTOR AC OUT 12V/0.6A
Output power: 1.2 W (max)
Power consumption: 7W (max)@120V, 8W (max)@230V
Frequency coverage:
FM 87.5 – 108.0 MHz
AM 520 – 1710 kHz (USA version);
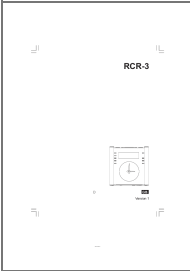AM 522 – 1710 kHz (Europe version)

The company reserves the right to amend the specification without notice.

If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive).

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Documents / Resources

SANGEAN RCR-3 Atomic Digital Analog Clock [pdf] Instruction Manual
RCR-3 Atomic Digital Analog Clock, RCR-3, Atomic Digital Analog Clock, Digital Analog Clock, Analog Clock, Clock

References

- **User Manual**