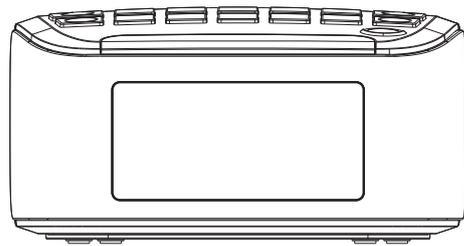


RCR-24



GB

Version 1

Please note not all AC adapters are alike.

The AC adapter that is included with this radio is designed to be used exclusively with this device. Do not use an AC adapter that differs from the specifications on the AC adapter that is included.

If an AC adapter is NOT included with your radio and in order not to damage the unit and void your warranty, specifications for the AC Adapter are stated on the final page of the manual, or please contact Sangean for the correct AC Adapter and specifications. For customers in the US and Canada, please call 888-726-4326 or 562-941-9900. For all other areas, please contact us via info@sangean.com.tw.

Do not use an AC adapter that does not meet the correct specifications.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
15. To reduce the risks of fire or electric shock do not expose this appliance to rain or moisture.
16. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall be placed on the apparatus.
17. Excessive sound levels with ear buds or headphones could impair your hearing. Always listen at reasonable levels to avoid hearing loss.
18. Your AC Power Adapter should always be in reach in case of an emergency for easy disconnecting.
19. If you radios AC Power Adapter is connected to a Power Strip ensure that it's connected and operating properly.
20. Do not expose batteries to excess heat, fire, direct sunlight etc.
21. Your radio is equipped with the DOE (Department of Energy) new energy saving AC Adapter. Sangean suggest that you keep your AC Adapter at least 12 inches away from the radio while listening to the AM Band in order to eliminate any interference caused by the AC Adapter.
22. To prevent possible hearing damage, do not listen at high volume levels for long periods.



For North America users:***FCC Cautions to the user***

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

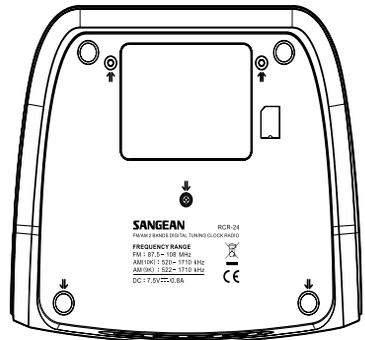
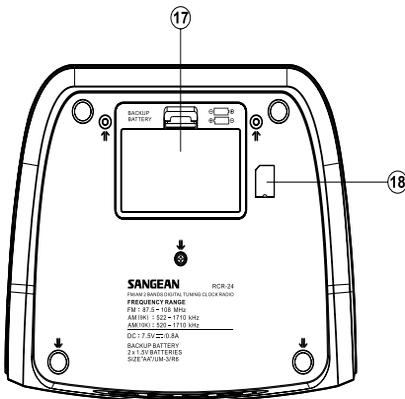
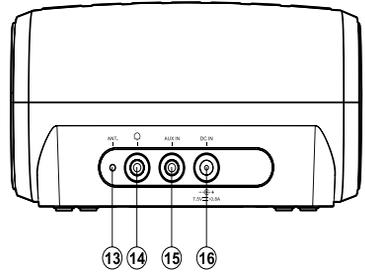
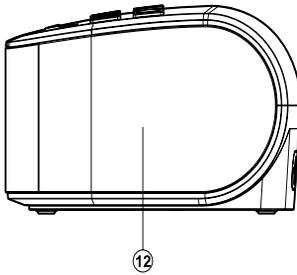
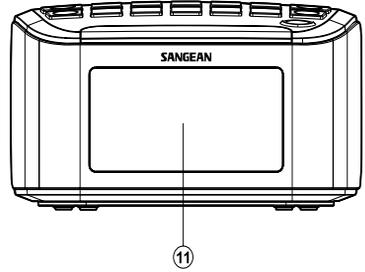
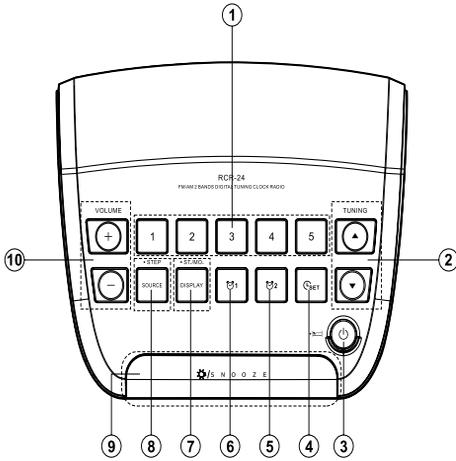
RF exposure statements***IMPORTANT NOTE:***

To comply with the FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



(Sold only in North America)

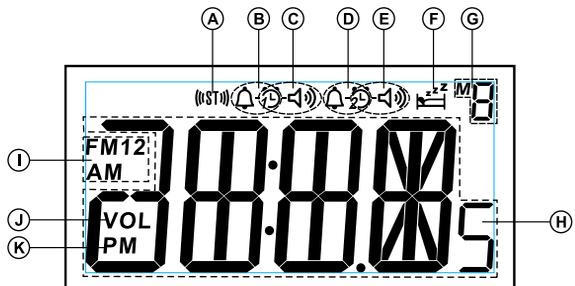
Control

- ① Preset button
- ② Tuning up/down button
- ③ Standby button/Sleep button
- ④ Time setting button
- ⑤ Alarm 2 button
- ⑥ Alarm 1 button
- ⑦ Display button/Stereo/Mono button
- ⑧ Source button/Step button
- ⑨ Snooze/Dimmer button
- ⑩ Volume up/down button
- ⑪ LCD display
- ⑫ Speaker
- ⑬ FM antenna
- ⑭ Headphone socket
- ⑮ Auxiliary input socket
- ⑯ DC IN socket
- ⑰ Backup battery compartment (Only available to customers purchased in North America)

GB

LCD display

- A Stereo indicator
- B Alarm 1 buzzer alarm
- C Alarm 1 radio alarm
- D Alarm 2 buzzer alarm
- E Alarm 2 radio alarm
- F Sleep/Snooze indicator
- G Preset indicator
- H Frequency/Clock display
- I Band indicator
- J Volume indicator
- K PM indicator



Using the radio for the first time

Using the AC power adaptor

The AC power adaptor required for this unit should be 7.5 volts DC at 0.8A center pin positive.

Insert the adaptor plug into the DC socket on the rear of the radio.

Plug the adaptor into a standard electrical outlet.

The AC adaptor should be disconnected from the main power supply when not in use.

IMPORTANT:

The AC Adapter is used as the means of connecting the radio to the power supply. The AC Adapter used for this radio must remain accessible during normal use. In order to disconnect the radio from the power supply completely, the AC Adapter should be removed from the power supply outlet completely.

Backup battery operation (Only available to customers purchased in North America)

1. Remove the battery cover on the bottom of the unit.
2. Insert two UM-3 (AA size) batteries into the spaces in the compartment.
3. Take care to ensure all batteries are inserted with correct polarity as shown inside the compartment.
Replace the battery cover.
4. When the radio is used as a clock radio or as an alarm, please always keep the batteries inserted.

Note:

Batteries will only back up preset memories and clock functions during power outage and is not intended for normal radio operation.

Setting the clock

You can set the clock with either the radio turned on or off.

After the radio is plugged in properly the display will appear with (- : --). Press the Clock set button, then you will hear a beep and the hour digit starts flashing, select the hour by pressing the Tuning up/ down button until desired hour is displayed. Press the Clock set button again to set the minutes. The minute digit should now be flashing, press the Tuning up/ down button until the desired minutes are displayed. Press the Clock set button again to complete clock setting. The time should display solidly with the colon flashing periodically.

Radio operation- Manual tuning AM/FM

1. Fully extend the FM wire antenna located on the rear of your clock radio. Place the wire antenna so that it is as straight as possible extending either above or below the radio.
2. Press the Standby button to turn on your radio.
3. Press the Source button repeatedly to select AM (MW) or FM 1 or 2 frequency band.
4. Press the Tuning up/ down button to change the frequency.
5. To see the time or frequency on the screen, press the Display button

Note:

When your radio has any interference in AM band by its adaptor, please move your radio away from its AC adaptor over 30 cm.

Scan tuning AM/FM

1. Fully extend the FM wire antenna located on the rear of your clock radio. Place the wire antenna so that it is as straight as possible extending either above or below the radio.
2. Press the Standby button to turn on your radio.
3. Press the Source button repeatedly to select AM (MW) or FM 1 or 2 frequency band.
4. Press and hold the Tuning up/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 with sufficient signal strength.

Presetting AM/FM stations

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

Recalling AM/FM stations

1. Press the Source button for AM or FM 1 or 2 frequency band
2. Press and release one of the Preset buttons and the preset number and frequency will appear on the display.

FM stereo/mono

If the FM radio station being listened to has a weak signal, some hiss may be audible. It is possible to reduce this hiss by forcing the radio to play the station in mono rather than stereo.

Press and hold the Display button to switch to mono. The LCD displays Stereo icon will disappear.

Setting the alarm

There are two 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 off or while playing. 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 until the radio beeps. You've now entered 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 current setting alarm button (e.g. Alarm 1) to confirm the setting. Press the Tuning up/down button to select the required alarm minute, and press the Alarm button to confirm the setting.

3. Press the Tuning up/down to choose the required alarm type, and then press the Alarm button to confirm the setting. The alarm can be set to buzzer (🔔-🔊), or radio (🔊-📻) FM, AM mode. When the buzzer mode is selected, please go to step 4 directly to set alarm volume. When radio mode is selected, the frequency band on the display will begin to flash. Press the Tuning up/down button to select the required frequency band (i.e. FM1/FM2/AM). If you choose a radio band (i.e. FM1/FM2/AM), the radio frequency on the display will begin to flash. Press the Tuning up/down button or the required preset number to adjust the required frequency for the radio alarm. Then press the Alarm button to confirm the setting.
4. Press the Tuning up/down button to select the required alarm volume and press the Alarm button to confirm the setting. Once the alarm is set, it will automatically go off the next day at the same time. The alarm has now been set. Symbol for active alarm (such as 🔔-🔊 or 🔊-📻) is shown on the display.

Note:

For North America users: Alarm radio can only be activated when the unit is powered by an AC adaptor. If not (i.e. your radio is disconnected from an AC adaptor, but inserted with back up batteries), buzzer alarm (with no Humane Waking System) will be activated instead.

For the European users: Alarm radio can only be activated when the unit is powered by an AC adaptor. If not, no alarm setting will be activated.

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 (HWS). It will increase its volume in increments of 1 from 0 to your set volume.

To deactivate 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. The alarm symbol will disappear on the display.

Snooze function

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

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 120 minutes.

1. Press and hold the Standby button to enter the Sleep Timer setting. Sleep timer icon  will show on the display.
2. Keep holding the Standby button and the Sleep Timer options will cycle 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 off the unit.

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Dimmer control

The brightness of the display may be adjusted. If you use the unit in the bedroom, you may prefer a higher brightness level than the standard setting.

1. Press and release the Snooze/Dimmer button repeatedly to adjust the brightness level of the LCD display. The backlight level will change with 7 different illumination levels so that you can see the effect of the change.
2. Stop when the desired backlight level is selected.

Software version/Setting tuning step/Time format

Software version

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

1. Turn off the radio.
2. Press and hold the Source button until the software version (e.g. P01) is shown on the display.

FM range setting (This menu setting is only available in the North America. version)

The FM Broadcasting Band tuning range can be different depending on where in the world you live in. It may be necessary to adjust the FM range to allow the radio to work properly.

3. Continue pressing and holding the Source button until you hear a beep. Rotate the Tuning up/down button until the FM range setting (e.g. F00) shows on the display. Then press the Source button to select the desired FM range. FM range setting is then completed.

The available FM range is as following:

F00:87.5-108 MHz (North America) (default) Your radio is pre-set with this tuning range, no adjustments are necessary if you live in North America.

F01: 76-90 MHz(for Japan)

F02: 64-108 MHz(for Eastern European countries and Russia)

F03: 76-108 MHz(for some of China area and European countries)

Setting tuning step

4. After the FM range setting is completed, FM tuning step setting will flash on the display (e.g. FM 100). Press the Tuning up/down button to select the desired FM tuning step (50 kHz or 100 kHz) and press the Source button to confirm the setting.
5. After the confirmation of the FM tuning step, press the Tuning up/ down button to select the desired AM tuning step (9 kHz or 10 kHz) and press the Source button to confirm the setting. (North America use 10 kHz)

Note:

Change in the AM tuning step setting will result in the removal of AM presets stored in the radio, but is not the case for FM tuning step reset.

Time format

6. After the tuning step setting is completed, the display will switch to the Time format setting (i.e. 24H or 12H). Press the Tuning up/down button to select the desired time format and press the Source button to confirm the setting.

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 Source button until "AUX" 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 press the Volume up/ down button on the radio as needed for comfortable listening.

Headphone socket

A 3.5mm headphone socket located on the rear of your radio is provided for use with either headphones or an ear buds.

Inserting Headphones or ear buds will automatically mute the internal speakers.

Warning:

Excessive sound levels from ear buds and headphones can cause hearing loss. Always listen at reasonable levels to avoid hearing loss.

Specifications

AC Power Adapter Requirements

DC: 7.5V/0.8A

Frequency Range

FM: 87.5 – 108 MHz

AM (10K): 520 – 1710 KHz

AM (9K): 522 – 1710 KHz

Back-up Battery (only available in the North America. version)

2 x1.5V Size "AA"/UM-3/R6

Circuit Features

Loudspeaker: 2.25" 8Ω 2W

Output Power: 0.5W+0.5W

Headphone socket: 3.5mm dia stereo

Auxiliary socket: 3.5mm dia stereo

Antenna System FM Wire Antenna/AM Built-in Ferrite Bar

GB

Sangean 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)