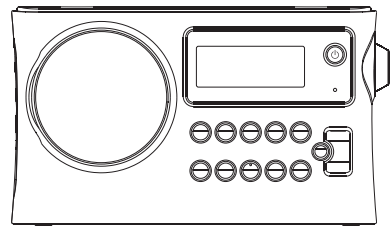


DPR-16



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Revision 1

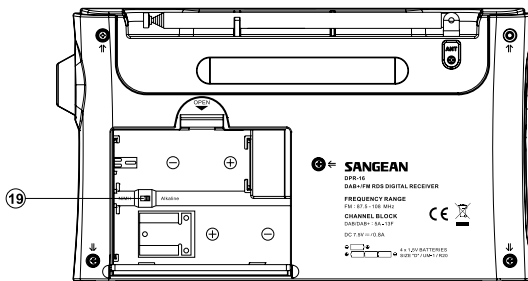
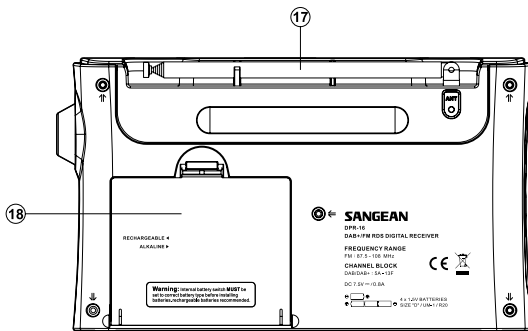
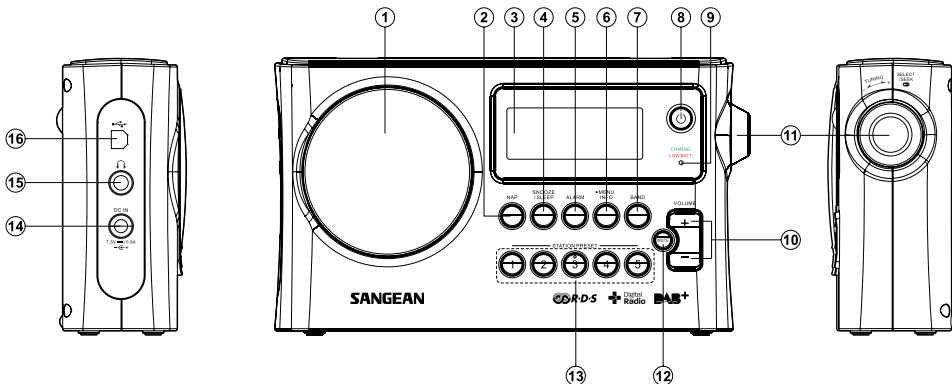
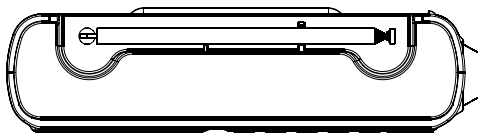
Important safety instructions

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 are 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 Risk of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.
16. The Shock Hazard Marking and Associated Graphical Symbol is provided on the rear of unit.
17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall be placed on the apparatus.
18. Excessive sound pressure on ear- and headphones could impair the hearing ability. Higher setting that idle on the equalizer leads to higher signal voltages on the output for ear and headphones.



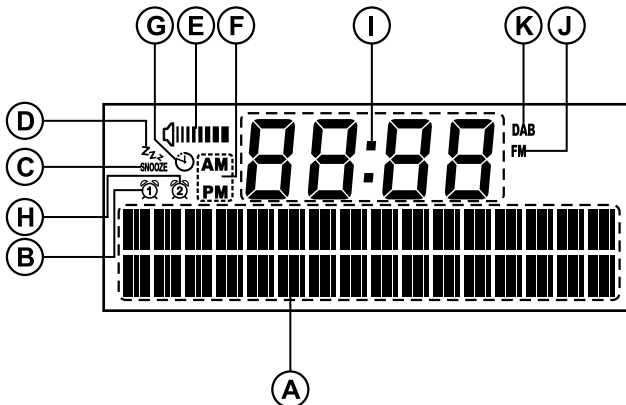
Controls

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- ① Speaker
- ② Nap button
- ③ LCD display
- ④ Snooze button/Sleep timer button
- ⑤ Alarm button
- ⑥ Menu button/Info button
- ⑦ Band button
- ⑧ Standby button
- ⑨ Charge/Low battery indicator
- ⑩ Volume up/down
- ⑪ Tuning control rotary/Select/Auto tuning
- ⑫ Mute button
- ⑬ Preset button
- ⑭ DC IN socket
- ⑮ Headphone socket
- ⑯ USB socket for software update
- ⑰ Telescopic aerial
- ⑱ Battery compartment
- ⑲ Alkaline/NiMH/NiCad rechargeable battery switch

Display icon

- Ⓐ Two line text display
- Ⓑ Alarm 1 indicator
- Ⓒ Snooze indicator
- Ⓓ Sleep indicator
- Ⓔ Volume indicator
- Ⓕ AM/PM indicator
- Ⓖ Nap timer indicator
- Ⓗ Alarm 2 indicator
- Ⓘ Clock digits
- Ⓙ FM indicator
- Ⓚ DAB indicator



Battery operation

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Battery operation using alkaline batteries

1. Remove the battery cover on the rear of the unit by pressing the catch.

Note:

Before you insert the batteries, if you use non-rechargeable batteries, make sure the NiMH/Alkaline switch which located inside the battery compartment is switched to Alkaline position. If you use rechargeable batteries, make sure to switch NiMH/Alkaline switch to NiMH position.

2. Insert four UM-1 (D size) batteries into the spaces in the compartment.
3. Take care to ensure all batteries are inserted with correct polarity as shown on the rear cabinet. Replace the battery cover.
4. Reduced power, distortion and a “stuttering sound” are all signs that the batteries need replacing.
5. If the radio is not to be used for any extended period of time, it is recommended that the batteries are removed from the radio.

IMPORTANT:

The batteries should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should if possible be taken to a suitable recycling center. On no account should batteries be disposed of by incineration.

Battery operation using rechargeable batteries

1. Slide the battery switch to the NiHM position.
2. Insert 4 UM-1 batteries into spaces in the compartment. Make sure all batteries are inserted with the correct polarity as shown on the rear cabinet.

Note:

Do not use a mix of old and new rechargeable batteries.

Do not use a mix of full and empty rechargeable batteries.

Do not use batteries that have a different mAh capacity

Do not use damaged or leaking batteries

3. Make sure the radio is switched off and connected to the AC adaptor. When the charge indicator flashes yellow indicating batteries are charging. Batteries will be fully charged in around 10 hours. The battery shows steady yellow light when the battery charging is complete.

Note:

Duration for charging your battery fully can be varied according to the mAh capacity of a battery. Higher mAh batteries required longer charging 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.

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Insert the adaptor plug into the DC socket on the left side of the radio.

Plug the adaptor into a standard mains socket outlet.

Whenever the adaptor is used, the batteries are automatically disconnected. The AC adaptor should be disconnected from the main supply when not in use

Setting the clock

Automatically updating the clock

Your radio can set its clock from DAB or FM radio broadcasts. After a power failure the radio will then set its clock the next time you turn on the radio in DAB or FM mode. Alternatively you may specify that the time is not automatically updated. In this case, the clock must always be set manually after a power interruption.

1. With you radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning Control Rotary until “System” is highlighted on the display. Press the Tuning Control Rotary to enter the system setting menu.
3. Rotate the Tuning Control Rotary until “Time” is highlighted on the display. Press the Tuning Control Rotary to enter the time setup.
4. Rotate the Tuning Control Rotary until “Auto update” is highlighted on the display. Press the Tuning Control Rotary to enter the auto-update menu.
5. Rotate the Tuning Control Rotary to choose an update option from “Update from DAB”; “Update from FM”; ”Update from Any” or “No update” as required. Press the Tuning Control Rotary to confirm your choice. The radio will then exit to the previous menu display.

Setting the clock format

The clock display used in standby mode and on the playing mode screens can be set to 12 or 24 hour format. The selected format is then also used when setting the alarms.

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning Control Rotary until 'System' is highlighted on the display. Press the Tuning Control Rotary to enter the system settings menu.
3. Rotate the Tuning Control Rotary until 'Time' is highlighted on the display. Press the Tuning Control Rotary to enter the time setup.
4. Rotate the Tuning Control Rotary until 'Set 12/24 hour' is highlighted on the display. Press the Tuning Control Rotary to enter the clock format menu. The current clock display format is marked with an asterisk.
5. Rotate the Tuning Control Rotary to select either 12 or 24 hour format. Press the Tuning Control Rotary to confirm your choice of clock format.

The display will then revert to the previous menu. If the 12 hour clock format is chosen, the radio will then use the 12 hour clock for the setting of alarms, and will display a 12 hour clock with an AM or PM indicator.

Setting the date format

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning Control Rotary until 'System' is highlighted on the display. Press the Tuning Control Rotary to enter the system settings menu.
3. Rotate the Tuning Control Rotary until 'Time' is highlighted on the display. Press the Tuning Control Rotary to enter the time setup.
4. Rotate the Tuning Control Rotary until 'Set date format' is highlighted on the display. Press the Tuning Control Rotary to enter the date format menu. The current clock display format is marked with an asterisk.
5. Rotate the Tuning Control Rotary to select required date format. Press the Tuning Control Rotary to confirm your choice of date format. The display will then revert to the previous menu.

Manually setting the clock

1. Press the Standby button to switch on your radio.
2. To set all time settings press and hold the Menu button to access the menu for the current mode.
3. Rotate the Tuning Control Rotary until 'System' is highlighted on the display. Press the Tuning Control Rotary to enter the system settings menu.
4. Rotate the Tuning Control Rotary until 'Time' is highlighted on the display. Press the Tuning Control Rotary to enter the time setup.
5. To change the current time or date setting rotate the Tuning Control Rotary until 'Set Time/Date' is highlighted on the display, then press the Tuning Control Rotary to enter the time and date setting screen. Now the hour digit will flash.
6. Rotate the Tuning Control Rotary until the correct hour is shown on the display. Press the Tuning Control Rotary to enter the selection. The minute digit will then flash.
7. Rotate the Tuning Control Rotary to select the correct minute. Press the Tuning Control Rotary to enter the date selection. Now the date digit will flash.
8. Rotate the Tuning Control Rotary until the correct date is shown on the display. Press the Tuning Control Rotary to enter the selection. The month digits will then flash.

9. Rotate the Tuning Control Rotary to select the correct month. Press the Tuning Control Rotary to enter the selection. The year digits will then flash.

10. Rotate the Tuning Control Rotary to select the correct year. Press the Tuning Control Rotary to confirm the setting. Now the time and date setting is completed and the display will show "Time Saved."

DAB Radio

Using DAB mode for the first time

1. Carefully extend the telescopic aerial.
2. Press the Standby button to switch on the radio. The display will show "Welcome to Digital Radio" for a few second. If the radio has been used before the last used mode will be selected.
3. Press the Band button as needed so that DAB radio mode is selected on the display.
4. If this is the first time that DAB mode is used a quick scan of the Band III DAB channels will be carried out. The display will show 'Scanning'. (If the radio has been used before the last used station will be selected instead.) During the scanning process, as new stations are detected the station counter will increase and the stations will be added to the list which is stored in the radio. The bar graph indicates the progress of the scan.
5. When scanning is completed the radio will list the stations found (in numeric-alpha order 0....9...A...Z), unless it has previously been tuned to a DAB station. Rotate the Tuning Control Rotary to scroll through the list of available DAB radio stations. Press the Tuning Control Rotary to select the highlighted station. The display may show 'Connecting...' while the radio re-tunes. Use the Volume buttons to set the sound level or press the Mute button to mute the sound as needed.
6. If the station list is still empty after the scan the display will show 'NO DAB Stations'. If no stations are found it may be necessary to relocate your radio to a position giving better reception.

Selecting a DAB radio station

1. When playing a DAB radio station, the display normally shows the name of the current station with other related information.
2. Rotate the Tuning Control Rotary to access the radio station list and to scroll through the available stations.
3. Press the Tuning Control Rotary to select the highlighted station. The display may show 'Connecting...' while the radio re-tunes.
4. Use the Volume buttons to set the sound level or press the Mute button to mute the sound as needed.

Note:

If the display shows 'Station Not Available' it may be necessary to relocate your radio to a position giving better reception. A question-mark in front of the station name merely indicates that the station has not recently been detected by the radio. It may still be available.

Secondary services

Certain radio stations have one or more secondary services associated with them. Typically these are not broadcast continually. If a station has a secondary service associated with it, the display will show ">>" next to the station name on the station list. The secondary service will then appear immediately after the primary service as you press the Tuning Control Rotary.

1. To listen to a secondary service, rotate the Tuning Control Rotary to scroll to the chosen station, and press the Tuning Control Rotary to tune to the station. If the secondary service is not available (off-air) then the primary service will be selected.

Display modes - DAB

Your radio has seven display modes:-

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1. Press the Info button to cycle through the various modes.
 - a. Scrolling text Displays scrolling text messages such as artist/track name, phone in number etc.
 - b. Program Type Displays the type of station being listened to e.g. Pop, Classic, News etc.
 - c. Multiplex Name Displays the name of DAB multiplex to which the current station belongs.
 - d. Time and date Displays the current the time and date.
 - e. Frequency Displays the frequency of the DAB multiplex for the station listened to.
 - f. Bit rate & audio type Displays the digital bit rate & audio type for the station being listened to.
 - g. Signal Strength Displays a graph showing the signal strength for the station being received.

Finding new DAB radio stations

Should you wish to use your radio for DAB reception in a new location, or if no stations were detected during the initial scan, you can follow this procedure to allow your radio to find out which DAB radio stations are available.

1. Ensure that the telescopic antenna is extended. With the radio switched on and in DAB mode, press and hold the Menu button.
2. Rotate the Tuning Control Rotary until 'Full scan' is highlighted on the display.
3. Press the Tuning Control Rotary to initiate the scan. The display will show 'Scanning' and your radio will perform a scan of the DAB Band III frequencies. As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the radio. The bar graph indicates the progress of the scan.

Manual Tuning

Manual tuning allows you to tune directly to the various Band III DAB channels (5A to 13F).

1. When in DAB mode press and hold the Menu button so that the display shows the DAB menu.
2. Rotate the Tuning Control Rotary until 'Manual tune' is highlighted.
3. Press the Tuning Control Rotary to enter manual tune option.
4. Rotate the Tuning Control Rotary to choose the required DAB channel.
5. Press the Tuning Control Rotary to cause the radio to tune to the chosen channel. When the radio has tuned, the display shows the channel number and frequency, and the name of the DAB multiplex found (if any). A bar graph shows the signal strength and is useful if you need to reposition the radio or its aerial. The minimum signal marker 'I' which separates the left and right parts of the signal graph shows the minimum signal level required for satisfactory reception. Any new radio stations found on the tuned DAB multiplex will be added to the list stored in the radio.
6. Press and release the Tuning Control Rotary to choose a different frequency.
7. Press the Menu button a second time to access the main DAB menu then select 'Station list' to return to normal tuning.

Dynamic Range Control setting

Dynamic Range Control (also known as DRC) can make quieter sounds easier to hear when your radio is used in a noisy environment by reducing the dynamic range of the audio signal.

1. Press the Standby button to switch on your radio.
2. Press the Band button as needed to select DAB radio mode.
3. Press and hold the Menu button to enter the DAB menu.
4. Rotate the Tuning Control Rotary until 'DRC' is highlighted on the display.
5. Press the Tuning Control Rotary to enter the DRC adjustment mode. The current DRC setting will be indicated with an asterisk.
6. Rotate the Tuning Control Rotary to highlight the required DRC setting (the default is 0).
 - 'DRC 0' - DRC is switched off, Broadcast DRC will be ignored.
 - 'DRC 1' - DRC is set as sent by broadcaster.
 - 'DRC 1/2' - DRC level is set to 1/2 that sent by broadcaster.
7. Press the Tuning Control Rotary to confirm the setting.

Note:

Not all DAB broadcasts use the DRC function. If the broadcast does not provide DRC information, then the DRC setting in the radio will have no effect.

Station order setup

Your radio has 2 station order settings from which you can choose. The station order settings are, alphanumeric and ensemble.

1. Press the Standby button to switch on your radio.
2. Press the Band button as needed to select DAB radio mode.
3. Press and hold the Menu button to enter the DAB menu list.
4. Rotate the Tuning Control Rotary until 'Station order' is highlighted. Press the Tuning Control Rotary to enter the station order adjustment mode.
5. Rotate the Tuning Control Rotary to choose between 'Alphanumeric' and 'Ensemble'.
'Alphanumeric' - sorts the station list alpha-numerically 0...9 A...Z.
'Ensemble' - organizes the station list by DAB multiplex.
The current setting is indicated by an asterisk.
6. Press the Tuning Control Rotary to select the required station order.

Prune stations

If you move to a different part of the country, some of the stations which were listed may no longer be available. Also, from time to time, some DAB services may stop broadcasting, or may change location or frequency.

Stations which cannot be found, or which have not been received for a very long time are shown in the station list with a question mark.

The Prune stations function will delete the marked DAB stations from your station list.

1. Press the Standby button to switch on your radio.
2. Press the Band button as needed to select DAB radio mode.
3. Press and hold the Menu button to enter the DAB menu.
4. Rotate the Tuning Control Rotary until 'Prune' is highlighted and then press the Tuning Control Rotary to enter the setting.
5. To cause the stations list to be pruned, eliminating unavailable stations rotate the Tuning Control Rotary until 'YES' is highlighted on the display.
6. Press the Tuning Control Rotary to cause the invalid station names to be removed from the station list. If you do not wish to prune stations, highlight 'NO' and then press the Tuning Control Rotary. The display will revert to the previous menu.

Note:

If you have moved your radio to a different part of the country you should also carry out a search for new stations (please see the section 'Finding new stations')

FM Radio

Manual tuning

1. Carefully extend the telescopic aerial.
2. Press the Standby button to switch on your radio. The display will show “Welcome to Digital Radio” for a few seconds.
3. Press the Band button to select the FM band.
4. Rotate the Tuning Control Rotary to tune to a station. The frequency will change in steps of 50 kHz. When the end of the waveband is reached the radio will recommence tuning from the opposite end of the waveband.
5. Use the Volume buttons to adjust the sound level or press the Mute button to mute the sound as needed.

Auto tuning

1. Carefully extend the telescopic aerial and press the Standby button to switch on your radio.
2. Press the Band button as needed to select FM radio mode.
3. Press the Tuning Control Rotary will scan up the FM band from the currently displayed frequency and stop scanning when it finds a station of sufficient strength. The display will show the frequency of the signal which has been found. If RDS information is available, after a few seconds the display will show the radio station name. If you only hear hiss or interference, simply press the Tuning Control Rotary to scan further.
4. To find more FM stations press the Tuning Control Rotary to repeat the scan operation. When the end of the waveband is reached, your radio will recommence tuning from the opposite end of the waveband. Use the Volume buttons to adjust the sound level or press the Mute button to mute the sound as needed.

Display modes

Your radio has a range of display options when in FM mode:

1. Press the Info button to cycle through the different options.
 - a. Radio text Displays scrolling text messages such as artist/ track name, phone in number etc.

 - b. Program type Displays the programme information for the station being listened to e.g. Pop, Classic. News, etc.

 - c. Multiplex name Displays the name of the multiplex to which the current station belongs.

 - d. Audio type Displays the audio type of the station being listened to.

 - e. Time Displays the current time.

 - f. Date Displays the current date.

Note:

If no RDS information is available, then the radio will only be able to display the frequency. There will be no text or program type information available under these conditions. The radio only provides displays when there is information available. So if there is no text, for example, that display is not available.

Stereo / Mono switching

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.

1. Press the Band button as needed to select the FM radio mode display and tune to the required FM station as previously described.
2. Press and hold the Menu button to enter the FM menu.
3. Rotate the Tuning Control Rotary until 'Audio setting' is highlighted on the display. Press the Tuning Control Rotary to enter the audio setting mode. The current setting is indicated with an asterisk.
4. To switch to mono in order to reduce the hiss from a weak FM signal rotate the Tuning Control Rotary until 'Forced mono' is highlighted. Press the Tuning Control Rotary to confirm the setting. Alternatively, to return to the normal automatic 'stereo or mono' mode press the Tuning Control Rotary until 'Stereo allowed' is highlighted. Press the Tuning Control rotary to confirm the setting.

Scan setting

When using the FM mode your radio can be set to either scan local stations or to scan all stations including distant radio stations.

1. Press the Band button as needed to select FM radio mode.
2. Press and hold the Menu button to enter the FM menu.
3. Rotate the Tuning Control Rotary until 'FM Scan zone' is highlighted and then press the Tuning Control Rotary to enter the scan adjustment mode. The current scan setting is indicated with an asterisk.
4. To set your radio so that only the stations with the strongest signals are found during scanning rotate Tuning Control Rotary until 'Local' is highlighted. Press the Tuning Control Rotary to confirm the setting. (Normally this will restrict scanning to local transmissions.)

Alternatively, to set your radio so that all available stations are found during scanning (local and distant transmissions) rotate the Tuning Control Rotary until 'Distant' is highlighted. Press the Tuning Control Rotary to confirm the setting.

Presetting stations in DAB and FM modes

There are 5 memory presets each for DAB and FM radio. They are used in the same way for each operating mode.

1. Press the Standby button to switch on your radio.
2. Tune to the required radio station as previously described.
3. To store the station as a preset, press and hold the required Preset button (1 – 5) until the display shows 'Preset stored'. The station will be stored under the chosen preset button. Repeat this procedure as needed for the remaining presets.
4. Stations which are already stored in the presets may be overwritten by following the above procedure.

Note:

The radio station presets are retained in memory when the radio is switched off and disconnected from the mains supply.

Recalling a preset in DAB and FM modes

1. Press the Standby button to switch on your radio.
2. Select the required operating mode using the Mode button.
3. Momentarily press the required Preset button. Your radio will then tune to the station stored in the selected preset memory. The chosen preset number is also shown in the lower area of the radio display, e.g. 'P2'.

Setting the alarm

There are two alarms which can each be set to wake you to FM, DAB or buzzer alarm. The alarms may be set while the unit is playing. Each alarm can be set to sound once, daily, on weekdays or at weekends. The alarms can only be set when your clock radio is switched on and in DAB or FM mode.

Ensure that the time is set correctly before setting the alarms.

1. Press the Standby button to switch on the clock radio.
2. Press the Alarm button. The display will show “Alarm 1 setup” or press the Alarm button again to enter ‘Alarm 2 setup.’
3. Press the Tuning Control Rotary to enter the alarm setting and the display will show ‘Alarm 1 Wizard’ or ‘Alarm 2 Wizard.’
4. Rotate the Tuning Control Rotary to choose between ‘Alarm On’ or ‘Alarm Off’ and press the Tuning Control Rotary to confirm the setting. Choose ‘Alarm On’ to continue the alarm setting. If ‘Alarm Off’ is selected, the current setting for that alarm will be cancelled.
5. Rotate the Tuning Control Rotary to select the desired hour. Press the Tuning Control Rotary to confirm the setting.
6. Rotate the Tuning Control Rotary to select the desired minute. Press the Tuning Control Rotary to confirm the setting.
7. Rotate the Tuning Control Rotary to select the duration for the current setting alarm. The options are 15, 30, 45, 60 and 90. Press the Tuning Control Rotary to confirm the setting.

8. Rotate the Tuning Control Rotary to choose the desired alarm source (DAB, FM, BUZZER). Then press the Tuning Control Rotary to confirm the setting.

Note:

When your alarm is set to wake up by DAB, your clock radio will automatically set to the last listened station. When FM is selected, the alarm can be set to any of the stations which have been stored as presets or to the station last listened to.

9. Rotate the Tuning Control Rotary to choose the alarm frequency options, as following:


‘Once’: the alarm will sound once

‘Weekends’: the alarm will sound only at weekends

‘Weekdays’: the alarm will sound on weekdays only

‘Daily’: the alarm will sound everyday

Press the Tuning Control Rotary to confirm the setting. If you choose to set the alarm ‘Once’ you will also need to set the date using the Tuning Control Rotary.

10. Rotate the Tuning Control Rotary to adjust the volume and then press the Tuning Control Rotary to confirm the setting. “Alarm Saved” will be shown on the display. Your alarm setting is now completed. Active alarms are indicated in the display (e.g. )

Note:

If you have your earphone insert while the alarm is sounding, the sound of the alarm will come out from both your earphone and the speaker.

When the alarm sounds

The buzzer or radio alarm will sound at the selected times with selected duration unless cancelled.

The volume used for the alarm will be as specified during the alarm setting procedure. If the radio cannot connect to the specified radio station, the buzzer alarm will be used instead.

To cancel an alarm, press the Standby button to return to standby mode.

The alarm icon will flash at the bottom of the playing mode displays, and the radio will automatically switch back to standby mode when the specified duration has elapsed.

Disabling alarms

1. To disable a single alarm enter the alarm setup menu and press the Alarm button until the desired alarm is highlighted on the display. Press the Tuning Control Rotary to enter the setting.
2. Rotate the Tuning Control Rotary until the 'Off.' option is highlighted on the display. Press the Tuning Control Rotary to confirm. Now the chosen alarm is disabled.

Note:

You can disable and activate the alarms when the radio is in standby mode by pressing the Alarm button to enter the setting and using the Tuning Control Rotary to select and confirm your desired option.


Snooze timer

1. The buzzer or radio alarm can be silenced for 5 minutes by pressing the Snooze button. Should you wish for a longer snooze duration this can be extended. Press the Snooze button again while the radio is snoozed will set the available snooze time to 5 or 10 minutes.
2. While the snooze timer is active the remaining snooze time is shown on the display with snooze symbol **SNOOZE** .
3. In order to cancel the Snooze timer while the alarm is suspended, press the Standby button. The alarm and remaining snooze time will disappear on the display.


Sleep timer- radio auto shut off

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Your radio can be set to turn off after a preset time has elapsed. The sleep timer setting can be adjusted between 15, 30, 45, 60 and 90 minutes.

1. To use the sleep timer, press the Sleep button to enter the sleep timer setting. "Sleep off" will appear on the display.
2. Rotate the Tuning Control Rotary to select the desired sleep time. Your radio will switch off after the preset sleep time has elapsed. An active sleep timer is shown using a small sleep timer indicator  at the top of the playing displays.
3. To cancel the sleep time before the preset time has elapsed and to turn off the radio, press the Standby button to turn the unit off manually. To cancel the sleep timer and leave the radio playing, go back into the sleep timer settings and select the Off option. Alternatively, simply press the Standby button twice in succession to cancel the timer and switch the radio back on again.

Nap timer

1. Press the NAP button to enter timer setting and rotate the Tuning Control Rotary to adjust the minute setting during 1 and 99 minutes with 1 minute interval.
2. Press the Tuning Control Rotary to finish the setting and the timer will start to count down, meanwhile the display will show the remaining minutes with Nap timer symbol  on the display. The countdown display will become normal display after 10 seconds.
3. Press the NAP button to view the remaining time for an active timer setting. To cancel the function when countdown is progressing, rotate the Tuning Control Rotary to adjust the minute to 00:00.
4. Rotate the Tuning Control Rotary while the display shows the remaining time of countdown to adjust the required timer setting again.

Note:

the radio will sound for 3 minutes when an active timer finishes its countdown. Press any button to disable the sounding nap timer.

Software version

The software display cannot be altered and is just for your reference. Ensure your radio is switched on.

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1. Access the menu for the current mode by pressing and holding the Menu button. Rotate the Tuning Control Rotary until 'System' is highlighted on the display. Press the Tuning Control Rotary to enter the System settings menu.
2. Rotate the Tuning Control Rotary until 'SW version' is highlighted on the display. Press the Tuning Control Rotary to display the software version and radio ID.

Language

Your radio functions can be configured to a different language.

1. Access the menu for the current mode by pressing and holding the Menu button. Rotate the Tuning Control Rotary to highlight the 'System' option, then press the Tuning Control Rotary to enter.
2. Rotate the Tuning Control Rotary until 'Language' is highlighted and then press the Tuning Control Rotary to enter the setting.
3. Rotate the Tuning Control Rotary to highlight the desired language option. The current language setting will be marked with an asterisk. Press the Tuning Control Rotary to confirm the selection.

Factory reset

If you wish to completely reset your radio to its initial state this may be performed by following this procedure. By performing a factory reset, all user entered settings will be erased.

1. Access the menu for the current mode by pressing and holding the Menu button. Rotate the Tuning Control Rotary to highlight the 'System' option, then press the Tuning Control Rotary to confirm.
2. Rotate the Tuning Control Rotary until 'Factory Reset' is highlighted and then press the Tuning Control Rotary to confirm the setting.
3. Rotate the Tuning Control Rotary until 'Factory Reset' is highlighted and then press the Tuning Control Rotary to confirm the setting. Rotate the Tuning Control Rotary to highlight 'YES' to proceed. If you do not wish to carry out a system reset, highlight 'NO' and then press the Tuning Control Rotary to confirm the setting. The display will revert to the previous menu.
4. With 'YES' highlighted, a full reset will be performed and the radio will restart as if first plugged in. The DAB stations list together with any preset stations will be erased All configuration settings will be restored to their defaults, the clock and alarms will be reset. In case of malfunction for any reason, reset the product as described above to resume normal operation. It may be necessary in some cases to disconnect the mains power, then reconnect power after 10 seconds. In case of malfunction due to electrical fast transient (burst), reset the product as above (reconnection of the power source may be required) to resume normal operation.

Software update

GB

From time to time, new software features for your radio may be developed. Your radio has therefore been designed to allow its internal software to be updated using your USB upgrade port.

You should not attempt to update your radio unless it is recommended to you by Sangean Customer Services. Updating the software may remove all network settings, radio station presets and alarm settings from your radio.

Software updates for your radio may be available in the future. As software updates become available software and information on how to update your radio can be found at

<http://sg.sangean.com.tw/first/first.asp>

<http://www.sangean.eu/first/first.asp>

www.sangean.com.au.

For more information, please contact our Head Office by sending an email to info@sangean.com

1. Plug the USB into the USB socket in the left side of the unit and your PC USB port.
2. Access the menu for the current mode by pressing and holding the Menu button. Rotate the Tuning Control Rotary to highlight the 'System' option, then press the Tuning Control Rotary to enter.
3. Rotate the Tuning Control Rotary until 'Software Upgrade' is highlighted and then press the Tuning Control Rotary to confirm the setting.
4. Go to the website above to download the latest software. Follow the on-screen instructions on your PC provided with the upgrade software to complete the software upgrade.

Headphone socket

A 3.5mm Headphone Socket located on the left 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 Requirements

Mains AC 100 ~ 240V 50/60 Hz (switching adaptor)

Batteries 4 x D SIZE/UM-1/R20
Alkaline or NiMH rechargeable

Battery Life Up to 25 hours of listening when used for 4 hours a day at normal volume using alkaline cells.

Frequency Coverage

FM 87.5 - 108MHz
DAB 174.928 - 239.200MHz

Circuit Features

Loudspeaker 78mm
Output Power 1.0 Watt

Headphone socket 3.5mm dia

Aerial System

FM Telescopic aerial
DAB Telescopic aerial

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)