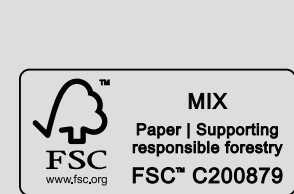
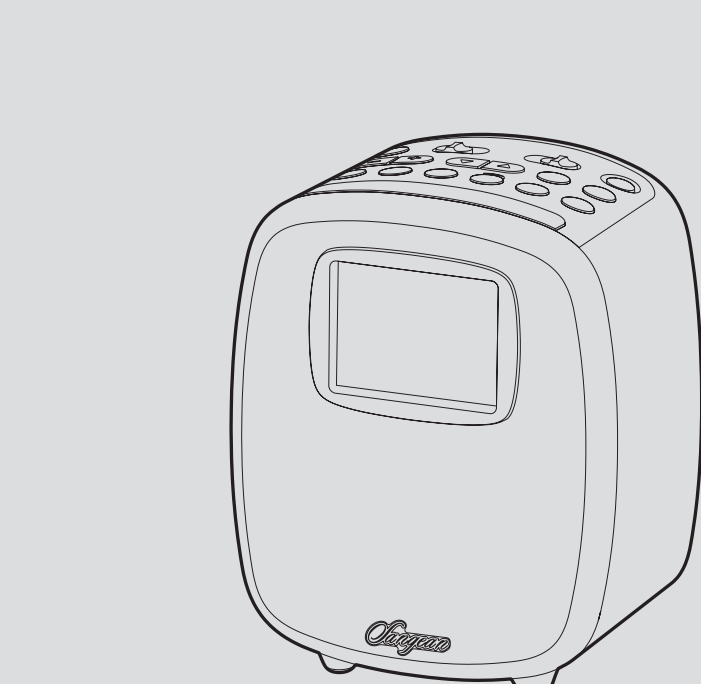


## DCR-83



3A81dN100G8A

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- ▲ 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.

### Prune stations – DAB

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.

- When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
- Press the Tuning Up / Down button to select the "Prune Station".
- Press the Select button to enter adjustment mode.
- Press the Tuning Up / Down button to select to "Yes" or "No". To activate the Prune function select "Yes", then press the Select button to confirm the setting. If you do not wish to prune stations, select "No" and then press the Select button to confirm the setting.

**▲ 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").

### Operating your radio – FM

- Fully extend the wire antenna. Press the Power button to switch on your radio.
- Press the Mode button to select the FM band.
- To scan up in frequency, press and hold the Tuning Up button. Your radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.
- To scan down in frequency, press and hold the Tuning Down button. Your radio will scan in a downwards direction and stop automatically when it finds a station of sufficient strength.
- After a few seconds the display will update. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present then the radio will display the station name.
- When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.
- Press the Volume Up / Down button to adjust the sound level as needed.
- To switch off your radio, press the Power button.

### Manual tuning – FM

- When in FM mode, press the Tuning Up or Down buttons to tune to a station. The frequency will change in steps of 50kHz.
- Press the Volume Up / Down button to adjust the sound level as needed.

### Scan sensitivity setting – FM

Your radio will normally scan for FM broadcasts which are strong enough to give good reception. However, you may wish the search tuning function to also be able to find weaker signals, possibly from more distant radio transmitters. Your radio includes "All station" and "Strong station" options for the search tuning function.

- When in FM mode, press and hold the Info / Menu button to enter the FM menu.
- Press the Tuning Up / Down button to select "Scan setting". Press the Select button to enter the setting. The current scan setting is indicated with an asterisk.
- Press Tuning Up / Down button to choose "All station" or "Strong station". The "All station" option will allow the radio to find weaker signals when scanning. Press Select button to confirm the setting.

### Stereo / Mono switching – FM

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.

- Ensure your radio is in FM mode and tune to the required FM station.
- Press and hold the Info / Menu button to enter the FM menu.
- Press the Tuning Up / Down button to select "Audio setting". Press the Select button to enter the setting.
- Press the Tuning Up / Down button to select "Stereo allowed" or "Forced Mono". Press Select button to confirm the setting.

### Display options – DAB / FM / Bluetooth

Your radio has a range of display options when in DAB, FM and Bluetooth modes. Press the Info button to cycle through the various options.

#### DAB display options

Your radio can display the following in DAB mode: Text, Program type, Multiplex name / channel, Date, Bit rate and audio type, Signal error / Strength, DL Plus text (Some stations may provide other programme related information for the display in addition to the regular text. If none is available, a message "No DLP" is displayed.)

If the broadcast being received is in stereo, then the stereo speaker symbol will be shown.

If a DAB broadcast provides a slideshow image, this may be viewed by pressing and holding the Select button. For full-screen, press and hold the Select button. Press and hold the Select button again to exit slideshow.

#### FM display options

In FM mode your radio can use the Radio Data System (RDS) to display the radio station name and additional text when provided by the broadcaster and where the radio signal is sufficiently clear.

Your radio can display the following in FM mode: Radio text, program type, strength, Date.

#### Bluetooth display options

If your connected device is able to provide information from the track being played, your radio can display the following

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- in Bluetooth mode: Date, Title, Artist, Album and Bluetooth device name.
- Please note that the availability of information depends on the specific media format.

### Presetting stations in DAB and FM modes

There are 20 presets (4 pages x 5 presets) each for DAB and FM radio. They are used the same way for each operating mode.

- Press the Power button to switch on your radio.
- Tune to the required radio station as previously described.
- To store the station as a preset, press the Page button to select the required preset page 1 to 4 and then press and hold the required preset button (1-5) until the display shows e.g. "Page1 M1 Saved".
- 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

- Press the Power button to switch on your radio.
- Select the required operating mode using the Mode button.
- Press the Page button to select the required preset page and momentarily press the required Preset button, your radio will 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.

### Listening to nature or soothing sounds

There are 27 different sounds for the Sound mode. (For the Sound select button 1 / 2 / 4 / 5, each button has 5 different sounds. The Sound select button 3 has 7 different sounds.)

- With your radio switched on, press the Sound mode button to select the Sound mode.
- Press the Sound select button 1-5 repeatedly to select different sounds.

**▲ NOTE**

When the radio is in the standby mode, pressing the Sound mode button will turn on the radio and switch to the Sound mode.

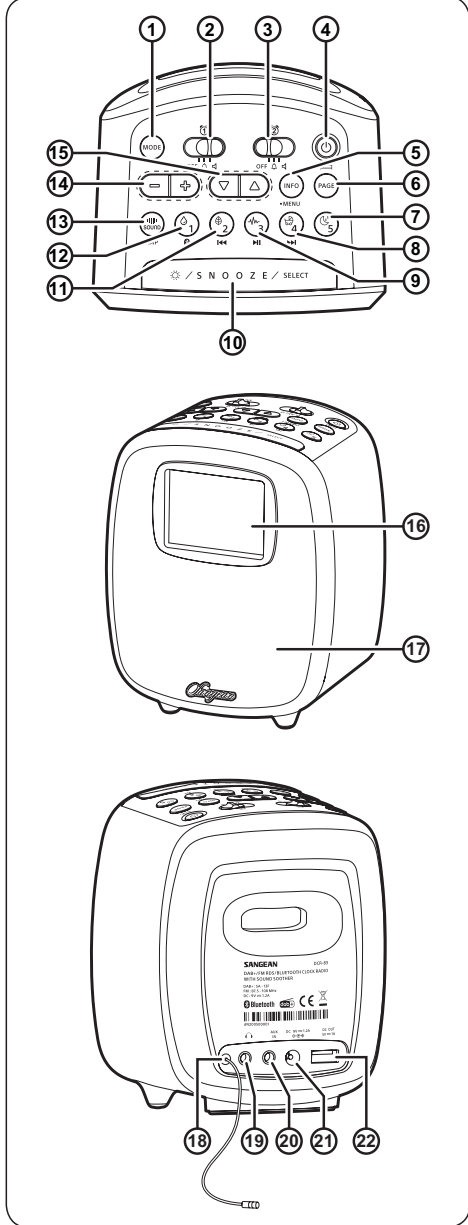
Sound select button1-5	Nature or soothing sounds
	1 RAIN DROPS
	2 STREAM
	3 OCEAN WAVES
	4 WATER FLOW
	5 WHALES
	1 FROGS
	2 CICADAS
	3 WIND
	4 BIRDS
	5 BIRDS 2
	1 WATER DROPS
	2 BUBBLES
	3 FIRE CRACKLING
	4 TRAIN
	5 WHITE NOISE
	1 WHITE NOISE 2
	7 FAN
	1 SOOTHING SOUNDS
	2 LULLABY
	3 PIANO MUSIC
	4 TWINKLE TWINKLE LITTLE STAR
	5 PIANO MUSIC 2
	1 SOOTHING SOUNDS 1
	2 SOOTHING SOUNDS 2
	3 SOOTHING SOUNDS 3
	4 SOOTHING SOUNDS 4
	5 SOOTHING SOUNDS 5

### Listening to music via Bluetooth streaming

You need to pair your Bluetooth device with your DCR-83 before you can auto-link to play / stream Bluetooth music through your DCR-83. Pairing creates a 'bond' so the two devices can recognize each other.

#### Pairing and playing your Bluetooth device for the first time

- With your radio switched on, press the Mode button to select Bluetooth function. "Disconnected" will show on the display.
- Activate Bluetooth on your device according to the device's user manual to link to the radio. Locate the Bluetooth device list and select the device named "DCR-83" (With some Smartphone's that are equipped with earlier versions than BT2.1 Bluetooth device, you may need to input the pass code "0000").
- Once connected, there will be a confirmation tone sound and "Connected" will show on the display. You can simply select and play any music from your source device.
- The volume control can be adjusted from your source device, or directly from the radio. Use the controls on your Bluetooth-enabled device or on the radio to play / pause and navigate tracks.



## 1 GB Operating instruction

### Bluetooth

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by SANGEAN ELECTRONICS INC. is under license.

#### Cautions

- Do not allow your radio to be exposed to water, steam or sand.
- Do not leave your radio where excessive heat could cause damage.
- The radio shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the radio.
- It is recommended to operate the product such that there is a minimum distance (10cm recommended) to adjacent objects in order to ensure good ventilation.
- The ventilation of the product should not be restricted by covering it with items such as newspapers, tablecloths, curtains etc.
- No naked flame sources such as lighted candles should be placed on the product.
- It is recommended to avoid using or storing the product at extremes of temperature. Avoid leaving the unit in cars, on window sills, in direct sunlight etc.

**▲ IMPORTANT**

The mains adaptor is used as the means of connecting the radio to the mains supply. The mains socket used for the 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 outlet completely.

#### Controls

- Mode button
- Alarm 1 switch
- Alarm 2 switch
- Power / Sleep button
- Info / Menu button
- Page button
- Preset 5 / Sound select button 5
- Preset 4 / Next track button / Sound select button 4
- Preset 3 / Play / Pause button / Sound select button 3
- Snooze / Dimmer / Select button
- Preset 2 / Previous track button / Sound select button 2
- Preset 1 / Bluetooth pairing button / Sound select button 1
- Sound mode / Nap button
- Volume up / down button
- Tuning up / down button
- LCD display
- Speaker
- FM / DAB wire antenna
- Headphone socket
- Auxiliary input socket
- DC IN socket
- USB socket for iPhone / Smartphone charging

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- Press the Tuning Up / Down button to select the correct hour. Press the Select button. The minute digits will then flash.
  - Press the Tuning Up / Down button to select the correct minutes. Then Press the Select button to confirm the setting.
  - If the radio has been set to use a 12 hour format, there will be an option here for setting AM or PM for the clock time. Press the Tuning Up / Down button to select AM or PM. Press the Select button to confirm the setting.

#### Clock display

When the radio is in the power on mode, the LCD screen will go back to the clock time display after 10 seconds if no buttons are pressed. Pressing the Info / Menu button will go back to the previous screen.

#### Clock style

Your radio has a range of clock styles for the display. There are three options available.

- With your radio switched on, press and hold the Info / Menu button to access the menu for the current mode.
- Press the Tuning Up / Down button to select "System settings". Press the Select button to enter the system settings menu.
- Press the Tuning Up / Down button to select "Time setup". Press the Select button to enter the setting.
- Press the Tuning Up / Down button to select "Clock style". Press the Select button to enter the setting.
- Press the Tuning Up / Down button to select a clock style from "Normal Digital", "Classic Analog" or "Page Flip". Press the Select button to confirm the setting. The current style is marked with an asterisk.

#### Setting the alarm clock

Your radio has two separate alarms which can be set to wake you to either the radio, Sound Soother or a buzzer alarm. In the event of a power interruption your radio has built in memory that will retain your alarm settings. Ensure that the time is set correctly before setting the alarms.

- Press the Power button to switch on your radio.
- Press and hold the Info / Menu button to access the menu for the current mode.
- Press the Tuning Up / Down button to select "Alarms". Press the Select button to enter the setting.
- If the time is not set before setting the alarms, "No time set" will show on the display. Use the Tuning up / down button and Select button to set the time. When the setting is complete, proceed to step 4.

- Press the Tuning Up / Down button to select "Alarm 1" or "Alarm 2" setting. Press the Select button to enter the setting.
- Press the Tuning Up / Down button to select "Time". Then press the Select button.
- Press the Tuning Up / Down button to set the alarm minute. Then press the Select button.
- If the radio has been set to use a 12 hour format, there will be an option here for setting AM or PM for the clock time. Press the Tuning Up / Down button to select AM or PM. Then press the Select button.
- Press the Tuning Up / Down button to select "Mode". Then press the Select button.
- Slide the Alarm switch on the radio. When the Alarm switch slides to , the alarm can be set to Buzzer or Sound Soother. When the Alarm switch slides to , the alarm can be set to DAB radio or FM radio. Press the Tuning Up / Down button to select the required alarm source and then press the Select button to confirm the selection.

- If setting the alarm to a radio option or Sound Soother option, press the Tuning Up / Down button to select the "Preset" then press the Select button if you wish to change it. For a radio option, choose from either the radio station "Last listened" to, or from the presets 1-20. Note that you can only set the alarm to use a preset which has already been stored. For the Sound Soother option, you can choose the "Last listened" sound, or choose from 27 different sounds. Press the Tuning Up / Down button to select the chosen option and then press the Select button to confirm the selection.
- Press the Tuning Up / Down button to select "Volume". Then press the Select button.
- Press the Tuning Up / Down button to set the required volume. Press the Select button to confirm the setting.
- Press the Tuning Up / Down button to select "Save". Press the Select button to store the alarm settings.

Active alarms are shown using small alarm indicators at the bottom of the playing display and on the clock display.

- ▲ NOTE**
- If you make a mistake at any point while setting the alarms, use the Info / Menu button to go back to the previous screen.
- When the alarm sounds**
- The alarms will sound at the selected times for up to 60 minutes 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. During an alarm, the alarm icon will flash at the bottom of the playing mode displays. The radio will automatically revert to standby mode after 60 minutes. To cancel an alarm, press the Power button to return to standby mode.

#### Disabling alarms

To disable the alarms, slide the corresponding Alarm switch to the OFF position.

#### Snooze timer

- When the radio alarm or Sound Soother alarm sounds, pressing any button other than the Power button or Volume buttons will silence the alarm for 5 minutes. Should you wish for a longer snooze duration this can be extended. Pressing any button again other than the Power button or Volume buttons will the radio is snoozed will set the available snooze time to 5, 10, 15 or 30 minutes.
- When the buzzer alarm sounds, the buzzer alarm can be silenced for 5 minutes by pressing any button other than the Power button. Pressing any button again other than the Power button while the radio is snoozed will set the available snooze time to 5, 10, 15 or 30 minutes.

## 2 Operating your radio – DAB

- Fully extend the wire antenna located on the rear of your radio.
- Press the Power button to switch on your radio.
- If this is the first time the radio is used, a quick scan of the Band III DAB channels will be carried out. If the radio has been used before the last used station will be selected.
- 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.
- When the scanning is completed the first station (in numeric-alphabetic order 0...9...A...Z) will be selected.
- If the station list is still empty after the scan, your radio will show "No station found" for a moment.
- If no signals are found it may be necessary to relocate your radio to a position giving better reception.

### Selecting a station – DAB

- Press the Power button to switch on your radio.
  - Press the Mode button until DAB mode is selected. The display normally shows the name of the current station selected.
  - Press the Tuning Up / Down button to scroll through the list of available stations.
  - Press the Select button to select the station. The display may show "Connecting..." while your radio finds the station.
  - Adjust the Volume Up / Down button to the required setting.
- ▲ NOTE**
- If after selecting a station the station does not tune, it may be necessary to relocate your radio to a position giving better reception.

### Secondary services – DAB

Some DAB radio stations may have one or more secondary stations associated with them. If a station has a secondary station available then the secondary will appear in the list of station names beneath the main (or primary) station.

To listen to a secondary service, press the Tuning Up / Down button to scroll to the chosen station, and press the Select button to tune to the station. If the secondary service is not available (off-air) then the primary service will be selected.

### Finding new stations – DAB

As time passes new stations may become available. To find new stations proceed as follows:

- With the radio switched on and in DAB mode, press and hold the Info / Menu button to enter the DAB menu.
- Press the Tuning Up / Down button to select the "Full scan". Press the Select button to initiate the scan. Your radio will perform a scan of the DAB Band III frequencies. As new stations are found the station counter will increase and stations will be added to the list. The bar graph indicates the progress of the scan.

## 3 Manual Tuning – DAB

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

- When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
- Press the Tuning Up / Down button to select the "Manual tune".
- Press the Select button to enter manual tune option.
- Press the Tuning Up / Down button to choose the required DAB channel.
- Press the Select button to confirm the selection.
- To go back to the previous screen, press the Info / Menu button.

### Station order setup – DAB

Your radio has 3 station order settings from which you can choose. The station order settings are multiplex, alphanumeric and active.

- ▲ NOTE**
- The default station order on your radio is alphanumeric.
- When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
  - Press the Tuning Up / Down button to select the "Station Order".
  - Press the Select button to enter the station order adjustment mode.
  - Press the Tuning Up / Down button to choose "Multiplex", "Alphanumeric" and "Active".
  - "Multiplex" – organizes the station list by DAB multiplex.
  - "Alphanumeric" – sorts the station list alpha-numerically 0...9 A...Z.
  - "Active" – shows only those stations for which a signal can be found.

### Dynamic Range Control settings – DAB

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.

- When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
- Press the Tuning Up / Down button to select the "DRC".
- Press the Select button to enter the DRC adjustment mode. The current DRC setting will be indicated with an asterisk.
- Press the Tuning Up / Down button to highlight the required DRC setting (the default is Off).
- "Off" – DRC is switched off, Broadcast DRC will be ignored.
- "Low" – DRC level is set to 1/2 that sent by broadcaster.
- "High" – DRC is set as sent by broadcaster.
- Press the Select button to confirm the setting.

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- then use the Volume control on the radio as needed for comfortable listening.

### USB socket for iPhone / Smartphone charging

Your radio has a USB socket which is intended only for charging an iPhone, smartphone or similar devices. Charge time may vary and in some cases may take longer to charge than when using the manufacturers charging unit supplied with the smartphone.

- The radio can charge your iPhone, smartphone or similar devices when the radio is in power on or standby mode, in DAB / FM radio mode, BT mode, AUX IN mode or Sound mode.
  - Connect your iPhone or smartphone to the USB charging socket on the rear of your radio.
  - Your iPhone or smartphone will begin to charge.
  - Once your iPhone or smartphone has fully charged remove the USB cable.
- ▲ IMPORTANT**
  - The charger may not supply power to some USB devices.
  - When not using or after charging, remove the USB cable.
  - Do not connect power source to USB port. Otherwise there is a risk of fire. The USB port is only intended for charging lower voltage device.
  - Do not insert a nail, wire, etc. into the USB power supply port. Otherwise a circuit short may cause smoke and fire.
  - Do not connect this USB socket with your PC USB port, as it is highly possible that it may cause breakdown of the units.
  - Never use the USB socket in rainy or moist conditions to prevent moisture from entering the radio.

### Headphone socket

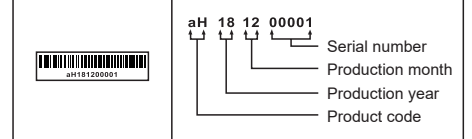
A 3.5mm Headphone socket located on the rear of your radio is provided for use with headphones. Inserting a plug automatically mutes the internal loudspeaker. Please be aware that the sensitivity of headphones can vary widely. We therefore recommend setting volume to a low level before connecting headphones to the radio. It is also recommended to reduce the volume before unplugging your headphones.

- ▲ IMPORTANT**
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.

### Specifications

AC Power Adapter Requirements	DC 9V / 1.2A Center Pin POSITIVE (+)
<b>Frequency Range</b>	
FM	87.5-108 MHz
DAB	174.928-239.200 MHz
<b>Bluetooth</b>	
Bluetooth specification	Bluetooth® Ver 5.0 + EDR
Profile Support	A2DP 1.2, AVRCP 1.5
Bluetooth Audio CODEC	SBC, AAC
Transmitting Power	Power Class 2
Line of sight range	10meters / 30feet
The frequency and maximum transmitted power	2402MHz ~ 2480MHz : +4dBm (Bluetooth EDR)
<b>Circuit Features</b>	
Speaker	2Inches 8ohm
Output Power	5W
Headphone socket (stereo)	3.5mm diameter
Auxiliary socket	3.5mm diameter
Antenna System	DAB / FM Wire antenna
USB socket	5V / 1A Max.
<b>Operating temperature range</b>	
0°C to +35°C	
<b>Information on Power Consumption</b>	
Power standby	The device has a standby mode with a power consumption of less than 0.8W.
Bluetooth mode	In Bluetooth mode, when there is no signal output, the idle power consumption is 2W after 15 minutes.
AUX mode	In AUX mode, when there is no signal output, the idle power consumption is 0.8W after 15 minutes.

※ The barcode label on the product is defined as below:



Sangean reserves the right to amend the specifications without notice.

RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.