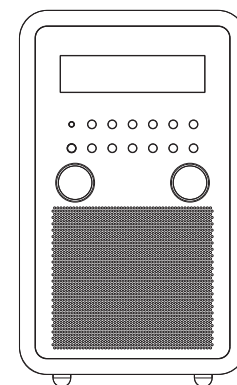


# DDR-60BT

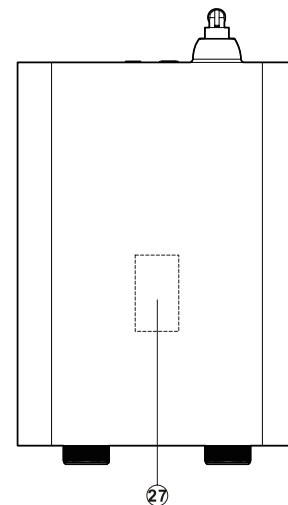
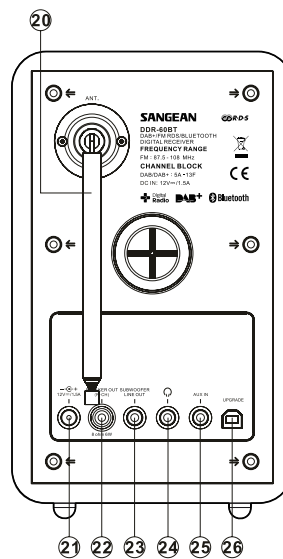
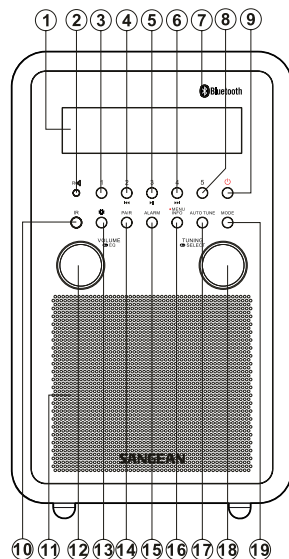


**GB**

Version 1

## Controls

1. LCD display
2. Speak out indicator
3. Preset 1
4. Preset 2/Rewind button
5. Preset 3/Play/Pause button
6. Preset 4/Fast-forward button
7. Bluetooth pairing indicator
8. Preset 5
9. Standby button
10. Remote control sensor
11. Speaker
12. Volume control/EQ
13. Dimmer button
14. Bluetooth pairing button
15. Alarm button
16. Menu/Info button
17. Auto tune button
18. Tuning control/Select button
19. Mode button
20. Telescopic aerial
21. DC IN socket
22. Speaker out socket
23. Subwoofer Line out socket
24. Headphone socket
25. Auxiliary input socket
26. Software upgrade port
27. NFC detection area



## Controls (remote control)

GB

- A. Standby button
- B. Mute button
- C. Preset button
- D. Select button/Play/Pause button
- E. Tuning down button/Rewind button
- F. Menu button
- G. Auto tune button/Bluetooth pairing button
- H. Mode button
- I. Alarm button
- J. Info button
- K. EQ button
- L. Tuning up button/Fast-forward button
- M. Sleep timer button
- N. Volume button
- O. Dimmer button

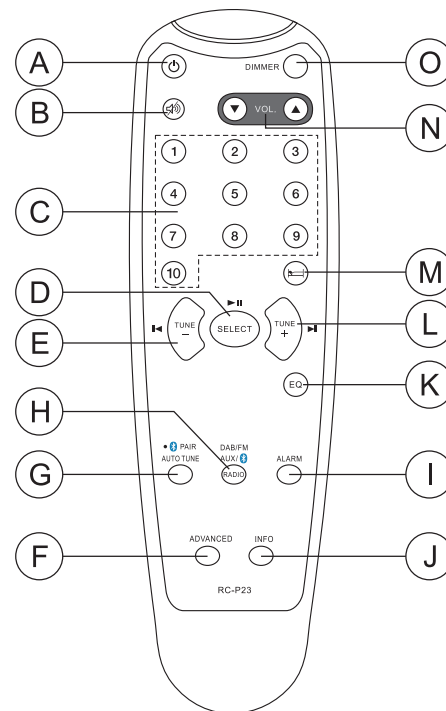
Note:

For the sake of clarity, the instructions for the use of the controls throughout this instruction manual show the buttons on the radio. The buttons on the remote control can be used if you prefer.

Note:

The operations described below for the panel are the same as the operations for the remote control.

1. Rotate the Tuning control on the panel is the same as pressing the Tuning Up or Down buttons on the remote control.
2. Press the Tuning Knob on the panel is the same as pressing and release the Select button on the remote control.
3. Press and hold in the Menu button on the panel is the same as pressing and release the Advanced button on the remote control.
4. Rotate the Volume Knob on the panel is the same as pressing the Volume Up or Down buttons on the remote control.

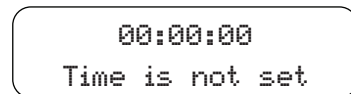
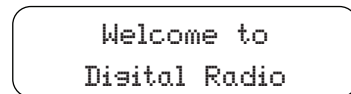


## Using the radio for the first time

1. Place your radio on a flat surface.
2. Fully extend the telescopic aerial located on the rear of your radio.
3. Insert the adaptor plug into the DC socket located on the rear of your radio. Plug the adaptor into a standard mains outlet. The display will show "Welcome to Digital Radio" for a few seconds. After short time, the current time will appear on the display.
4. If no stations are found, "00:00:00" will be displayed. Press the Standby button to turn on your radio and it will find a DAB clock radio stations. It may be necessary to relocate your radio to a position giving better reception and carry out a scan to find stations as described in later sections.

**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.



## Operating your radio

1. Press the Standby button to switch on your radio. The display will show "Scanning" for a few seconds. When first switched on, the radio will be in DAB mode. Then the first station in the list of stations found during scanning will be played. The display will show the station name on the display. After each use the radio will remember the last mode used and then switch on in that mode the next time that it is used. If the radio has been used before, the last used station will be selected. If no signals are found then "No DAB Station" will be displayed and it may be necessary to relocate your radio to a position giving better reception. You should then carry out a scan to find stations.



**Note:**

that radio station name and frequency displays shown in this user guide may differ from those that you see on your radio. Broadcasters may change radio station names that are transmitted, and the frequencies used for DAB and FM radio stations may not be the same in all parts of the country.

## Selecting a station - DAB

1. Press the Standby button to switch on your radio.
2. Press and release the Mode button until the DAB mode is selected. The display will show the name of the radio station currently selected.
3. Rotate the Tuning control to step through the list of available stations.
4. When the desired station name appears on the display, press and release the Select button to select the station. The display will show 'Connecting' while your radio finds the new station.
5. Adjust the Volume control to the required setting.

Note: If after selecting a station, the station is not found it may be necessary to relocate your radio to a position giving better reception.

DAB

Station list  
<BBC Radio 2 >

BBC Radio 2  
Connecting...

## Secondary services – DAB

1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it then the secondary service will then appear immediately after the primary service as you press the Tuning control.
2. To tune to the secondary service, press and release the Select button. Most secondary services do not broadcast continually and if the selected service is not available, the radio will re-tune to the associated primary service.

Station list  
<BBC Radio 5 Live >> >

Station list  
< <<BBC R5LiveSportX>

## Display options - DAB

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

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

The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up or down showing the changing signal strength as you adjust the aerial or the radio position.



## Finding new stations - DAB

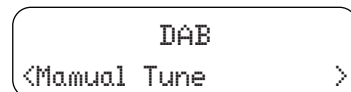
From time to time, new DAB radio stations may become available. Or you may have moved to a different part of the country. In this case you may need to cause your radio to scan for new stations.

1. Press the Auto tune button to scan for new stations. Your radio will perform a scan of the Band III DAB channels. As new stations are found, the station counter on the right-hand side of the display will increase and stations will be added to the list.

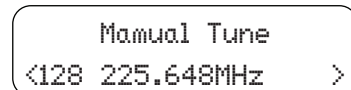
## Manual tuning - DAB

Manual tuning allows you to tune your radio to a particular DAB frequency in Band III. Any new stations found will be added to the station list. This function can also be used to assist the positioning of the aerial or the radio to optimize reception for a specific channel or frequency.

1. Press and hold the Menu button until the Advanced DAB menu shows on the display.
2. Rotate the Tuning control until the display shows 'Manual Tune'. Press and release the Select button to enter the manual tuning mode.
3. Rotate the Tuning control to select the desired DAB channel. Then press and release the Select button. The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up and down showing the changing signal strength as you adjust the telescopic aerial or the radio position. Any new radio stations found on the tuned DAB multiplex will be added to the list stored in the radio.
4. Press and release the Select button to return to normal tuning mode.

A rectangular display box with a black border. The text 'DAB' is centered at the top. Below it, '<Manual Tune' is on the left and '>' is on the right.

DAB  
<Manual Tune >

A rectangular display box with a black border. The text 'Manual Tune' is centered at the top. Below it, '<128 225.648MHz' is on the left and '>' is on the right.

Manual Tune  
<128 225.648MHz >

A rectangular display box with a black border. The top line shows '12B 225.648MHz BBC'. The bottom line shows a signal strength bar consisting of 12 blocks: 10 are solid black, and the 11th is an open rectangle, followed by 1 empty space and then 10 more solid black blocks.

12B 225.648MHz BBC  
■■■■■■■□■■■■■■■■■■

## Signal strength display - DAB

1. Press and hold the Menu button until the display shows signal strength. The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up and down showing the changing signal strength as you adjust the aerial or the radio position.

A rectangular display box with a black border. The top line shows 'BBC Radio 2'. The bottom line shows a signal strength bar consisting of 12 blocks: 10 are solid black, and the 11th is an open rectangle, followed by 1 empty space and then 10 more solid black blocks.

BBC Radio 2  
■■■■■■■□■■■■■■■■■■

## Dynamic Range Control (DRC) - DAB

The DRC facility can make quieter sounds easier to hear when your radio is used in a noisy environment.

There are three levels of compression:

DRC Off No compression applied. (default)

DRC High Maximum compression applied.

DRC Low Medium compression applied.

1. Press the Standby button to switch on your radio.
2. Press and release the Mode button until the DAB band is selected.
3. Press and hold the Menu button until the Advanced DAB menu shows on the display.
4. Rotate the Tuning control until 'DRC ' appears on the display. Press and release the Select button. The display will show the current DRC value which will be marked with an asterisk.
5. Rotate the Tuning control to select the required DRC setting (default is off).
6. Press and release the Select button to confirm the setting. After several seconds the display will return to the normal radio display.

**Note:** Not all DAB broadcasts are able to use the DRC function. If the broadcast does not support DRC, then the DRC setting in the radio will have no effect.

DAB  
<DRC \* >

DAB Value  
<DRC off \* >

DAB Value  
<DRC high \* >

DAB Value  
<DRC low \* >

## Prune stations - DAB

Over time, some DAB services may stop broadcasting, or may change location and then not be able to receive a station. In order to remove such stations from the DAB station list, the Prune stations function will delete the DAB stations from your station list that can no longer be received. 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.

1. Press the Standby button to switch on your radio.
2. Press and release the Mode button until the DAB mode is selected.
3. Press and hold the Menu button until the Advanced DAB menu shows on the display.
4. Rotate the Tuning control until 'Prune' appears on the display. Press and release the Select button.
5. Press the Tuning Up or Down buttons to highlight 'Yes'. Press and release the Select button to cause the stations list to be pruned, eliminating unavailable stations.
6. If you do not wish to prune stations highlight 'No' in step 5 and then press and release the Select button. The display will revert back to the previous display.

**Note:** If you have moved to a different part of the country you should also carry out a search for new stations (please see the section 'Finding new stations' in previous section).

DAB  
<Prune \* >

Prune?  
No <Yes>

Prune?  
<No> Yes



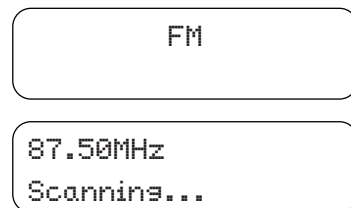
## Operating your clock radio - FM auto-tune

1. Fully extend the telescopic aerial located on the rear of your radio.
2. Press the Standby button to switch on your radio.
3. Press and release the Mode button until the FM band is selected.
4. Press and release the Auto tune button to cause your radio to search from low frequency to high frequency and to stop automatically when it finds a station of sufficient strength.
5. 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 may display the station name.
6. To find other stations press the Auto tune button as before. When the end of the waveband is reached, your radio will recommence tuning from the opposite end of the waveband.
7. Adjust the Volume to the required setting.
8. To switch off your radio, press the Standby button.

### Note:

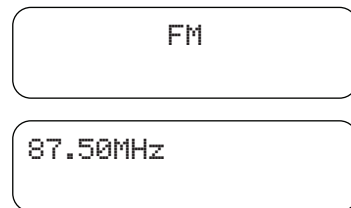
If you find that FM reception is poor, try repositioning the aerial.

If you find that an FM broadcast has a lot of background hiss, this may often be reduced by setting the radio into Mono reception mode for the current FM station. Please refer to the later section "Stereo/Mono setting - FM".



## Manual tuning - FM

1. Fully extend the aerial located on the rear of your radio.
2. Press the Standby button to switch on your radio.
3. Press and release the Mode button until the FM band is selected.
4. Rotate the Tuning control to tune to a station. The frequency will change in steps of 50kHz. If the radio is tuned to a station of sufficient signal strength with RDS information present, then the display may change to show the station name.
5. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.
6. Set the Volume to the desired setting.
7. To switch off your radio press the Standby button.



## Display options - FM

Your radio has a range of display options for FM mode:

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.

All display options except the text display will revert to the clock display after about 10 seconds.

1. Press and release the Info button to cycle through the various options.
  - a. Scrolling text Displays scrolling text messages such as artist/track name, phone in number, etc.
  - b. Programme type Displays type of station being listened to e.g. Pop, Classic, News, etc.
  - c. Multiplex name Displays the name of the FM multiplex to which the current stations belongs.
  - d. Audio type Displays the audio type for the currently tuned FM station.
  - e. Time & date Displays the current time and date.

**Note:** If no RDS information is available, the radio will be unable to display the station name, scrolling text and programme type information.

99.70 MHz  
The best variety of

99.70 MHz  
Pop Music

99.70 MHz  
Mono

104.60MHz  
15:09:29

104.60MHz  
6-11-2015

## Stereo / Mono setting - FM

Your radio will play stereo FM broadcasts in stereo provided that the received signal is of adequate strength. However, as a stereo signal becomes weaker the audio signal will become poorer. It may be preferable to force the radio to play the station in mono in order to reduce the level of background hiss.

1. Press the Standby button to switch on your radio.
2. Tune to the required FM radio station as previously described.
3. Press and hold the Menu button until the Advanced FM menu shows on the display.
4. Rotate the Tuning controls until 'Audio setting' appears on the display. Press and release the Select button.
5. To switch to mono to reduce the hiss from a weak FM signal rotate the Tuning control until 'Mono' appears on the display. Press and release the Select button to confirm the setting. The current audio setting will be marked with an asterisk.
6. Alternatively to return to stereo rotate the Tuning control until 'Stereo' appears on the display. Press and release the Select button to confirm the setting.

FM  
<Audio setting >

Audio setting \*  
<Stereo >

Audio setting  
<Mono >

## Scan sensitivity setting - FM

Your radio includes a local/distant option for the auto-scan function. By setting the radio to the 'local' scan option, weaker signals from more distant transmitters can be ignored by the radio, making stronger signals easier to find.

1. Press and release the Standby button to switch on your radio.
2. If needed, press and release the Mode button until the FM band is selected.
3. Press and hold the Menu button until the Advanced FM menu shows on the display.
4. Rotate the Tuning control until 'FM Scan Zone' shows on the display. Press and release the Select button to enter the scan sensitivity adjustment mode. The current setting will be marked with an asterisk.
5. Rotate the Tuning control to switch between 'Local' (Strong stations only) and 'Distant' (All stations) options on the lower line of the display. The Distant option will allow the radio to find weaker signals when scanning.
6. Press and release the Select button to confirm your selection. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

FM  
<FM Scan Zone >

FM Scan Zone \*  
<Distant >

FM Scan Zone  
<Local >

## Presetting stations - DAB and FM

You may store your preferred DAB and FM radio stations to the preset station memories. There are 20 memory presets in your radio 10 for DAB and 10 for FM. Presets are remembered by your radio in the event of a power failure.

The procedure for setting presets and using them to tune stations is the same for FM and DAB modes, and is described below. Please note that 10 memory presets for each band can be accessed via remote control.

1. Press the Standby button to switch on the radio.
2. Tune to the required station as previously described.
3. Press and hold down the required Preset button until the display shows, e.g. "Preset 1 stored."  
The station will be stored under the chosen preset number. Repeat this procedure for the remaining presets.

**Note:** Stations stored in preset memories may be overwritten by following the above procedure.

Preset 1  
Stored

## Recalling a preset station- DAB and FM

1. Press the Standby button to switch on the radio.
2. Press and release the required waveband by pressing the Mode button.
3. Momentarily press and release the required Preset button, your radio will tune to the station in preset memory.

**Note:** The display will show 'Preset Empty' if no station has been stored to that preset.

## Listening music via Bluetooth streaming

You need to pair your Bluetooth device with your DDR-60BT before you can auto-link to play/stream Bluetooth music through your DDR-60BT. Pairing creates a 'bond' so two devices can recognize each other.

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

1. Press and release the Mode button until the Bluetooth pairing indicator turns blue. The indicator flashes blue indicating the speaker is discoverable.
2. Activate Bluetooth on your device according to the device's user manual to link to the speaker. Locate the Bluetooth device list and select the device named 'DDR-60BT.' With some mobiles (which are equipped with earlier versions than BT2.1 Bluetooth device), you may need to input the pass code "0000".
3. Once connected, the Bluetooth indicator will remain in solid blue. You can simply select and play any music from your source device. Volume control can be adjusted from your source device, or directly from the radio.
4. Use the controls on your Bluetooth-enabled device or on the radio to play/pause and navigate tracks.

### Note:

- 1) If 2 Bluetooth devices, pairing for the first time, both search for your radio, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device won't find it on the list.
- 2) If you take your source device out of range, the connection will be temporarily disconnected to your radio. Your radio will automatically reconnect if the source device is brought back in range. Be aware that during the period of disconnection, no other Bluetooth device can pair or link with your radio.
- 3) If 'DDR-60BT' shows in your Bluetooth device list but your device cannot connect with it, please delete the item from your list and pair the device with the radio again following the steps described previously.
- 4) The effective operation range between the system and the paired device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.
- 5) Bluetooth/NFC connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your radio. All features may not be supported on some paired Bluetooth devices.
- 6) With some mobile phones, making/receiving calls, text messages, e-mails or any other activities unrelated to audio streaming may mute the Bluetooth audio streaming or even temporarily disconnect from your device. Such behavior is a function of the connected device and does not indicate a fault with your DDR-60BT.

Bluetooth

### Playing audio files in Bluetooth mode

When you have successfully connected your speaker with the chosen Bluetooth device you can start to play your music using the controls on your connected Bluetooth device.

1. Once playing has started adjust the volume to the required setting using the Volume control on your radio or on your enabled Bluetooth device.
2. Use the controls on your device to play/pause and navigate tracks.  
Alternatively, press and release the Play/Pause (⏮), Fast-forward button (⏭), Rewind button (⏮) on the radio.
3. Press and hold the Fast-forward or Rewind button to move through the current track. Release the button when the desired point is reached.

#### Note:

That not all player applications or devices may respond to all of these controls.

### Speaker memory and reconnecting a device

If your Bluetooth device already paired with DDR-60BT previously, the unit will memorize your Bluetooth device, but it does not support the automatic reconnection, reconnect with this product following the steps below.

DDR-60BT can memorize up to 8 sets of Bluetooth device, when the memory exceed this amount, the earliest paired device will be over written.

1. Press and release the Pair button to enter the Bluetooth device memory. Then rotate the Tuning control to find the desired memorized Bluetooth device and press the Select button to connect to the required Bluetooth device.
2. Alternatively, repeatedly press and release the Pair button to have access to the stored Bluetooth device and press the Select button to connect to the required Bluetooth device.

### Disconnecting your Bluetooth device

Press and hold the Bluetooth pairing button for 2-3 seconds to disconnect with your Bluetooth device. The Bluetooth indicator flashes in blue indicating the radio is discoverable again for pairing.

### Pairing and playing your device via NFC

Your radio is equipped with wireless NFC (Near Field Communication) feature, allowing NFC-enabled devices to pair and play the music with your DDR-60BT. For non-NFC devices, please refer to the above sections for standard Bluetooth pairing.

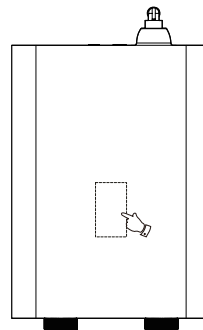
1. Turn on the NFC feature on your device.
2. Touch the NFC area of your playing device directly against the NFC tag marked on the top of your DDR-60BT. The radio will automatically be switched on and connect your NFC-enabled device. If you pair with radio for the first time, some NFC-enabled device will be asked the permission to link with the radio. Once paired with a device, 'Connecting DDR-60BT...' or a similar message is shown on your NFC-enabled device. The Bluetooth indicator will light in solid blue. (**Important:** Please make sure the screen of your playing device is on and unlocked to allow NFC to work.)

#### Note:

1. NFC connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your radio. All features may not be supported on some Bluetooth/NFC enabled devices.
2. The location of the NFC detection area is not the same on all devices. When connecting with other Bluetooth device via NFC, refer to the User guide of the other device for more information.
3. Some of metallic case or cover for mobile phones may reduce the sensitivity of NFC. Make sure you remove it, before activating the NFC.

### Disconnecting your NFC-enabled device

To disconnect your device, simply touch directly against the speaker's tag again on the top panel. The Bluetooth indicator on the front panel flashes blue to show the speaker is discoverable.



## Clock and Alarms

### Automatically updating the clock

Your radio will normally update the clock automatically using the DAB or FM signal. If no signal is available, then you need to set the time manually.

After a power failure the radio will then set its clock the next time that 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 your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control until 'System ' is highlighted on the display. Press the Tuning control to enter the system settings menu.
3. Rotate the Tuning control until 'Time' is highlighted on the display. Press the Tuning control to enter the time setting menu.
4. Rotate the Tuning control until "Auto update" is highlighted on the display. Press the Tuning control to enter the auto-update menu.
5. Rotate the Tuning control to choose an update option from 'Update from DAB', 'Update from FM', 'Update from Any' or 'No update' as required. Press the Tuning control to confirm your choice. The radio will then exit to the previous menu display.

#### Note:

If you select 'Update from Any', 'Update from DAB', 'Update from FM' the current time received will be displayed. If no signal is found you should either position the radio or its aerial so that a signal can be received, or revert to manual clock mode.

DAB  
<System >

System  
<Time >

Time  
<Auto update >

Auto update \*  
<Update from Any >

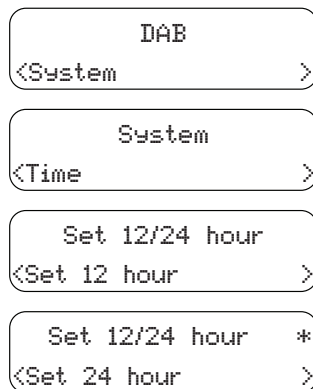
Auto update  
<Update from DAB >

## 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.

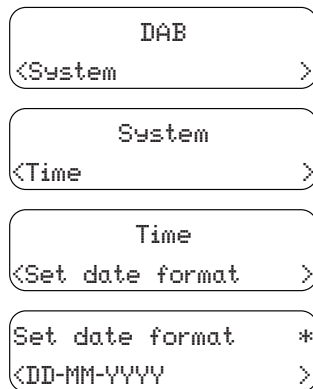
1. With your radio switched on, press and hold the **Menu** button to access the menu for the current mode.
2. Rotate the **Tuning control** until 'System' is highlighted on the display. Press the **Tuning control** to enter the system settings menu.
3. Rotate the **Tuning control** until 'Time' is highlighted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



## Setting the date format

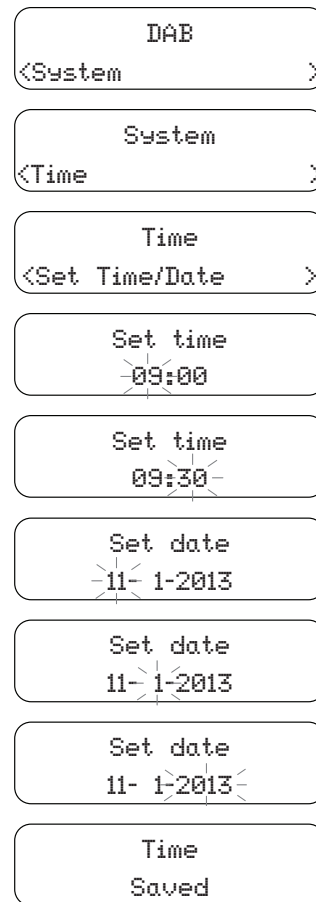
1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control until 'System' is highlighted on the display. Press the Tuning Control to enter the system settings menu.
3. Rotate the Tuning control until 'Time' is highlighted on the display. Press the Tuning control to enter the time setup.
4. Rotate the Tuning control until "Set date format" is highlighted on the display. Press the Tuning control to enter the setting menu.
5. Rotate the Tuning control to select your desired date format, then press the Tuning control to confirm the setting.





## Setting the clock manually

1. Press the Standby button to switch on your radio.
2. Press and hold the Menu button to access the menu for the current mode.
3. Rotate the Tuning control until 'System ' appears on the display. Press and release the Tuning control.
4. Rotate the Tuning control until 'Time' appears on the display. Press and release the Tuning control button.
5. Rotate the Tuning control until 'Set Time/Date' appears on the display.
6. Press and release the Tuning control. The hour digits will flash on the display. Rotate the Tuning control to set the desired hour.
7. Press and release the Tuning control. The minute digits will flash on the display. Rotate the Tuning control to set the desired minute.
  - 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.
8. Press and release the Tuning control. The day will flash on the display. Rotate the Tuning control to change the day as needed.
9. Press and release the Tuning control. The month will flash on the display. Rotate the Tuning control to set the current month.
10. Press and release the Tuning control. The year will flash on the display. Rotate the Tuning control to set the current year. Then press and release the Tuning control to confirm the clock setting. The display will show 'Time Saved' then exit the menu.



## Setting the alarm clock

Your radio has two separate alarms which can be set to wake you to either the radio 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.

1. Press and release the Alarm button. 'Alarm 1 Setup' will show on the display. Or Press again the Alarm button. 'Alarm 2 Setup' will show on the display.
2. Press the Select button to enter the alarm setup wizard. Alarm status will flash on the display. Rotate the Tuning control to select On or Off. If Off is selected any current setting for that alarm will be cancelled. With 'On' selected, press and release the Select button to cause the alarm hour digits to flash on the display.
3. Rotate the Tuning control to choose the desired hour for the alarm and then press the Select button to cause the alarm minute digits to flash on the display. If the radio has been set to the 12 hour clock format, there will also be an option here for setting AM or PM for the alarm time.
4. Rotate the Tuning control to choose the desired minute for the alarm and then press the Select button. The alarm duration will flash on the display.
5. Rotate the Tuning control to choose the alarm duration. Choose between 15, 30, 45, 60 or 90 minutes. Press and release the Select button to enter the alarm duration. The alarm source option will flash on the display.
6. Rotate the Tuning control to choose the desired source for the alarm (DAB, FM, Buzzer ). Press the Select button when the desired source alarm is highlighted on the display. For which ever radio mode is selected, the radio alarm may be set to any of the stations which have been stored as presets or to the station last listened to. If setting the alarm to a radio option, rotate the Tuning control to choose either last listened or from presets 1-10.

### Note:

that you can only set the alarm to use a preset which has already been stored. Press and release the Select button to confirm the selection. The alarm day option will flash on the display.

Alarm 1 Setup

Alarm 1 Wizard

Alarm On

Alarm 1 Wizard

On time 09:00

Alarm 1 Wizard

On time 09:30

Alarm 1 Wizard

Duration 60

- Alarm 1 Wizard  
Source Buzzer
- Alarm 1 Wizard  
Soucre DAB
- Alarm 1 Wizard  
Last listened
- Alarm 1 Wizard  
1: BBC Radio 4
- Alarm 1 Wizard  
Once
- Alarm 1 Wizard  
Date 9-1-2013
- Alarm 1 Wizard  
Date 9-1-2013
- Alarm 1 Wizard  
Date 9-1-2013
- Alarm 1 Wizard  
■■■■■■■■■■□□□□□□□□□□
- Alarm Saved
- 3:44:07 PM A  
17-11-2015

1. Active alarms are indicated in the display by the alarm 'A' symbol. If the radio cannot connect to the radio station, the buzzer alarm will be used instead. The alarm volume will start softly and gradually increase in level every few seconds. The alarm will sound for the selected duration unless cancelled.
2. If you make a mistake at any point while setting the alarms, use the Menu button to go back to the previous screen.

The alarm will sound at the selected times for up to 90 minutes unless cancelled.  
The alarm duration used for the alarm will be as specified during the alarm setting procedure.  
The alarm icon will flash on the screen and the radio will automatically switch back to standby mode when the selected alarm time has elapsed.  
To cancel an alarm, press the Standby button to return to standby mode.

## Snooze function

1. The buzzer or radio alarm can be silenced for 5 minutes by pressing any buttons other than Standby button. While the snooze timer is active the remaining snooze time is shown on the display.
2. To cancel the snooze timer while the alarm is suspended, press the Standby button. The display will briefly show an 'Alarm Off' message.

## Controlling alarms in standby

When your radio is in standby, the alarms can be controlled using the Alarm button. This avoids the risk of disturbance to someone who is asleep.

1. To change the states of the alarms when in standby, press and release the Alarm button for alarm 1 or press the Alarm button again for alarm 2.
2. Rotate the Tuning control. The display will cycle through alarm disabled and alarm enabled.
3. Press and release the Select button to confirm the alarm setting.

Alarm 1: On  
Alarm 2: On

## Sleep function

Your radio can be set to turn off after a preset time has elapsed. The sleep setting can be adjusted between 15 and 90 minutes. Ensure your radio is switched on.

1. To set the desired sleep time, press and hold the Menu button to enter the Advanced menu of the current mode.
2. Rotate the **Tuning control** until 'System' is highlighted on the display. Press the **Tuning control** to enter the system settings menu.
3. Rotate the Tuning control until "Sleep" is highlighted on the display. Press the Tuning control to enter the setting. The sleep settings available are 15, 30, 45, 60 or 90 minutes. Press the Select button to confirm the setting. The display will exit the sleep options. The sleep symbol 'S' will show on the display. Your radio will switch off after the preset sleep time has elapsed.
4. To cancel the sleep timer and switch off your radio before the chosen sleep time has elapsed, press the Standby button. To cancel the sleep timer without switching off your radio, select "Sleep off."
5. When the sleep time has been set you may view the remaining sleep time. Press the Sleep button on the remote control. The remaining sleep time will show on the display.

Set sleep time  
15 minutes

Set sleep time  
30 minutes

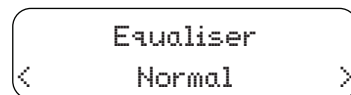
Set sleep time  
Sleep off

99.75 MHz S  
[No RadioText]

## EQ function

The sound on radio can be adjusted to suit your personal taste for the material that you are listening to. Your radio has six preset equalizer modes. Alternatively, you may set the treble and bass levels to your own preferences.

1. Press the Standby button to switch on the radio.
2. Press and release the Volume control to enter the setup menu. "Equaliser" will appear on the display.
3. Rotate the Tuning control to cycle through the 6 preset modes below until the desired mode is displayed. Press and release the Select button.
  - a. Normal - no tone modification is applied
  - b. Jazz
  - c. Rock
  - d. Classic
  - e. Pop
  - f. Speech
  - g. My EQ (Treble - tone setting may be adjusted/Bass - tone setting may be adjusted)



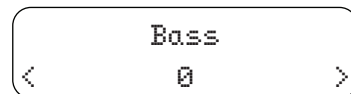
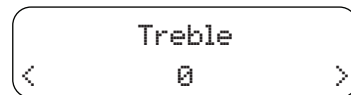
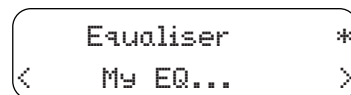
## Set up my EQ profile

If you find the preset equalizer functions not to your liking, you may set up a custom treble and bass as following:

1. Follow step1-3 in the EQ function section in order to enter EQ menu.
2. Rotate the Tuning control until 'My EQ' is highlighted on the display. Press the Select button to enter the adjustment mode.
3. "Treble" is displayed on the screen. Rotate the Tuning control to adjust the treble level (between -5 and +5). The sound will change as you adjust the level. Press the Select button to confirm the setting. The display will then switch to 'Bass' adjustment mode.
4. Rotate the Tuning control until the desired level (between -5 and +5) is displayed. The sound will change as you adjust the level. Press the Select button to confirm the setting.

### Note:

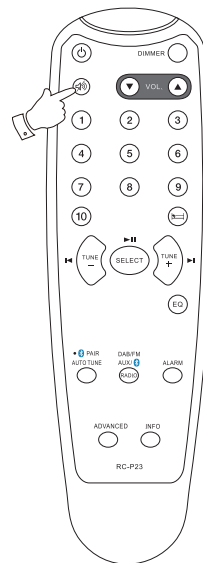
To quickly cancel the effect of My EQ profile, rotate the Tuning control until 'Normal' is highlighted on the display and press the Select button. The treble and bass settings will be memorized for the next time that you wish to use the My EQ.



## Mute function

Press the Mute button on the remote control of your radio, it will mute the output from the loudspeakers.

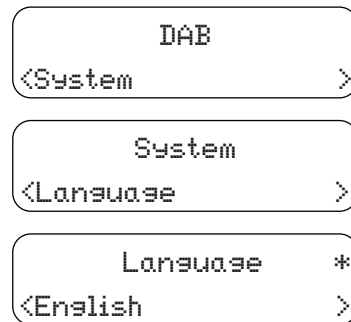
1. Press the Mute button to mute the sound output. The speaker volume symbol on the display will disappear.
2. Press the Mute button again or one of the Volume buttons to un-mute the sound output.



## Language function

Your radio can be configured to a different language.

1. Press the Standby button to switch on your radio.
2. Press and hold the Menu button until the Advanced menu shows on the display.
3. Rotate the Tuning control until 'System' appears on the display. Press and release the Select button.
4. Rotate the Tuning control until 'Language' appears on the display. Press and release the Select button to enter the language adjustment menu.
5. Rotate the Tuning control until your desired language appears on the display. Press and release the Select button to confirm your choice. The display will change to the chosen language. The chosen language will be marked with an asterisk.



## Display backlight dimmer

In order to adapt the intensity of the display to suit the ambient room lighting, press the Dimmer button on the panel of your radio to select your desired dimmer setting.

## LCD Contrast control

The contrast of the display can be adjusted. The adjustment also changes the angle from which the display can best be seen.

1. Access the menu for the current mode by pressing and holding the Menu button. Rotate the Tuning control until 'System' is highlighted on the display. Press the Select button to enter the settings menu.
2. Rotate the Tuning control until 'Lcd Contrast' is highlighted on the display and press the Select button.
3. Rotate the Tuning control to adjust the contrast. The contrast level indication on the screen will change at the same time. When you find the setting that gives the best legibility for the location in which the radio is used, press the Select button to save the setting. Then Press the Menu button to exit.

```
DAB
<System>
```

```
System
<Lcd Contrast>
```

```
Contrast
■■■■■■■■■■□□□□□□□□□□
```

## Software version

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

1. Press the Standby button to switch on your radio.
2. Press and hold the Menu button until the Advanced menu of the current mode shows on the display.
3. Rotate the Tuning control until 'System' appears on the display. Press and release the Select button.
4. Rotate the Tuning control until 'SW version' appears on the display. Press and release the Select button. The software version shows on the display.
5. Press and release the Menu button to exit the software version display.

```
DAB
<System>
```

```
System
<SW Version>
```

```
SW Version
dab-mmi-FS2052-0000-
```

## Software upgrades

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](http://www.sangean.com.au).

For more information, please contact our Head Office by sending an email to [info@sangean.com](mailto:info@sangean.com)

1. Plug the USB into the USB socket in the rear of the unit.
2. Press and hold the Menu button to enter the Advanced menu of the current mode.
3. Rotate the Tuning control until 'System ' appears on the display. Press and release the Select button.
4. Rotate the Tuning control until 'Software Upgrade' appears on the display. Press and release the Select button.
5. Rotate the Tuning control until 'Yes' is highlighted on the display. If you do not wish to carry out a software upgrade, highlight 'No' and then press the Select button. The display will revert back to the previous display.

DAB  
<System >

System  
<Software Upgra >

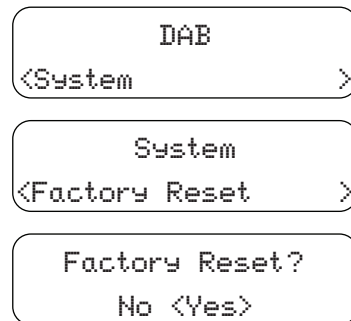
Upgrade?  
<No> Yes



## System reset

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

1. Press the Standby button to switch on your radio.
2. Press and hold the Menu button until the Advanced menu of the current mode shows on the display.
3. Rotate the Tuning control until 'System ' appears on the display. Press and release the Select button.
4. Rotate the Tuning control until 'Factory Reset' appears on the display. Press and release the Select button.
5. Rotate the Tuning control until 'Yes' is highlighted on the display. If you do not wish to carry out a system reset, highlight 'No' and then press the Select button. The display will revert back to the previous display.
6. With 'Yes' highlighted, press and release the Select button. A full reset will be performed. The station list and presets will be erased. Alarms will be cancelled and sleep timer settings will be set to their default values. The display will show 'Welcome to Digital Radio' and the unit will behave as when first switched on. In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.

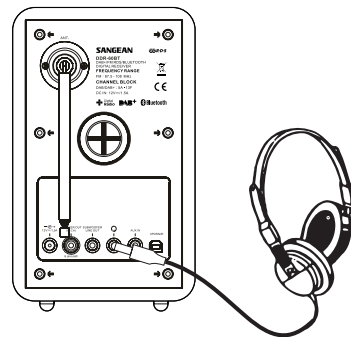


## Headphone socket

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 the volume to a low level before connecting headphones to the radio.

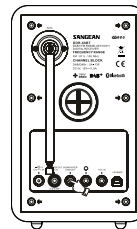
### **IMPORTANT:**

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



## Subwoofer Line out socket (3.5mm Jack)

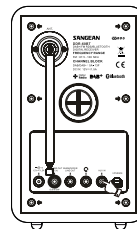
A 3.5mm Subwoofer Line Out socket located on the rear of your radio is provided for connecting the audio signal to an external amplifier. Inserting an audio cable into this socket will not mute the internal loudspeaker. Set the volume control on the radio to minimum if desired.



## Auxiliary input socket

A 3.5mm 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 an iPod, MP3 or CD player.

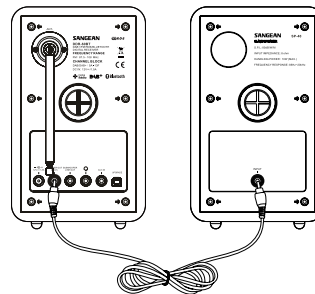
1. Connect a stereo or mono audio source (for example, iPod, MP3 or CD player) to the Auxiliary input socket (marked 'Aux In').
2. Press the Standby button to switch on your radio.
3. Press the Mode button to select Aux in mode. The display will show 'Auxiliary Input'.
4. Adjust the Volume control on your iPod, MP3 or CD player to ensure an adequate signal and then adjust the volume on the radio for comfortable listening.



## Speaker out socket

To enjoy stereo sound of all your music, your radio allows you to add a Sangean SP-40 speaker to create a stereo sound experience.

Connect your radio's speaker output socket to Sangean SP-40's speaker input socket with a supplied speaker cord (coming along with SP-40). When it connects successfully, stereo indicator on the front panel will illuminate.



## Specifications

### Power Requirements

Mains Power Supply AC 100-240V/50/60Hz

### Frequency Coverage

|     |                    |
|-----|--------------------|
| FM  | 87.5-108MHz        |
| DAB | 174.928-239.200MHz |

### Bluetooth

|                         |                    |
|-------------------------|--------------------|
| Bluetooth specification | Bluetooth® Ver 3.0 |
| Profile Support         | A2DP, AVRCP1.4     |
| Bluetooth Audio CODEC   | AAC, SBC           |
| Transmitting Power      | Power Class 2      |
| Line of sight range     | 10 meters/30 feet  |

## Circuit features

|                           |   |
|---------------------------|---|
| Output power              | 5W+5W(If connected with SP-40 speaker)        |
| Headphone socket          | 3.5 mm diameter, stereo                       |
| Aux In socket             | 3.5mm diameter, stereo                        |
| Subwoofer Line Out socket | 3.5mm diameter, subwoofer                     |
| Aerial System             | DAB Telescopic aerial<br>FM Telescopic aerial |

GB

*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)*