# DDR-31+

Version 1

**Contents**

## Controls (front)



1. Loudspeaker
2. Light button
3. Band button
4. Auto tune button
5. Alarm button
6. LCD display

7. Advanced / INFO button
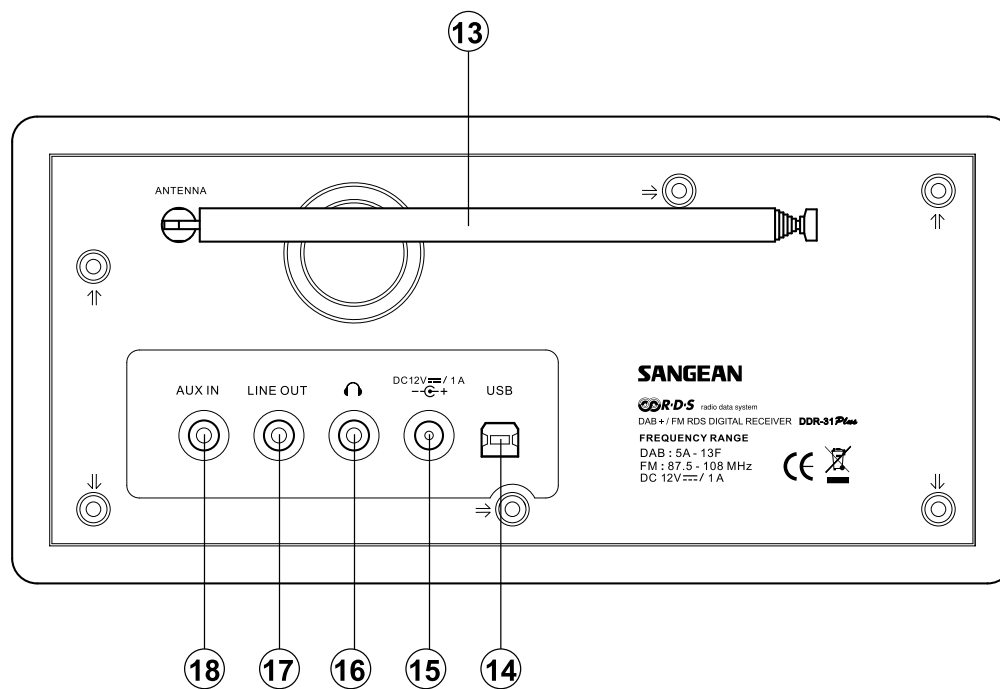8. Infra-red sensor
9. Volume knob
10. On / StandBy button
11. Tuning control / Select knob
12. Preset buttons

GB

**Controls (rear)**



13. Telescopic aerial for DAB+ / FM

14. USB socket for software upgrade

15. DC power in socket

16. Headphone socket

17. Line Out socket

18. Auxiliary input socket

## Controls (remote control)

A. On / Standby button
B. Mute button
C. Preset button
D. Select button
E. Tuning Down button
F. Advanced button
G. Auto tune button
H. Band / Auxiliary input Mode button
I. Alarm button
J. Info button
K. EQ button
L. Tuning Up button
M. Sleep button
N. Volume Up or Down buttons
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 remote control. The buttons on the clock radio 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 Knob on the panel is the same as pressing the Tuning Up or Down buttons on the remote control.
2. Press and hold in 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 Info 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.



DIMMER
VOL.
1 2 3
4 5 6
7 8 9
10
TUNE − SELECT TUNE +
EQ
ADVANCED INFO
AUTO TUNE DAB/FM/AUX ALARM
RADIO
RC-P15

**GB**

4
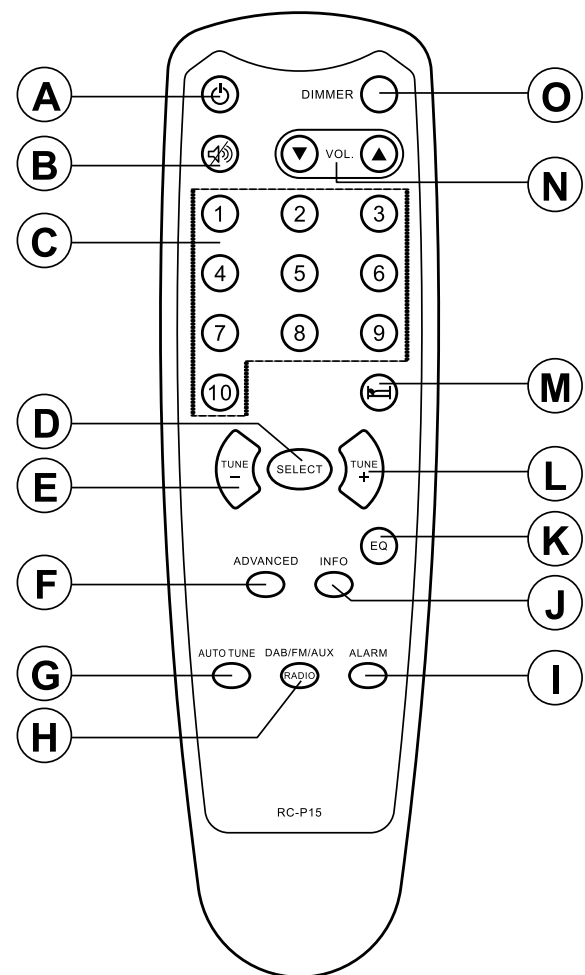
**Mains operation**

1. Place your clock radio on a flat surface.

2. Plug the mains lead into the Socket located on the rear of your clock radio ensuring that the plug is pushed fully into the socket.

3. Plug the other end of the mains lead into a wall socket and switch on the wall socket.
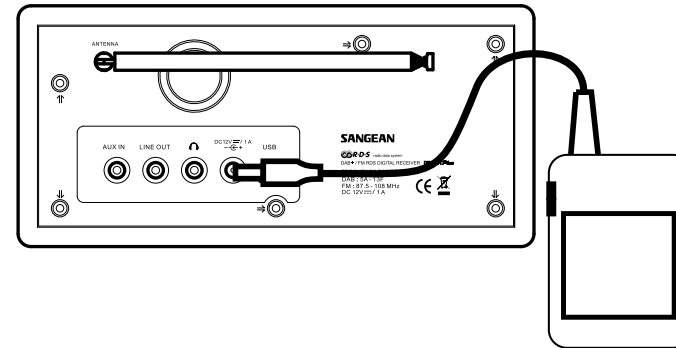
## Operating your radio - DAB

1. Fully extend the telescopic aerial. Fully extend the telescopic aerial located on the rear of your clock radio. Place the telescopic antenna so that it is as vertical as possible extending either above or below the radio.

2. Insert the adaptor plug into the DC socket located on the rear of your clock radio. Plug the adaptor into a standard mains outlet.
The display will show "Welcome to Digital Radio" for a few seconds and then the display will show "Time is not set". (If the radio has been used before the radio is to find a clock radio stations. After a while the current time will appear on the display.)

3. Press and release the On / StandBy button to switch on your clock radio.

4. During the scanning process, the lower line of the display shows a bar-graph indicating progress of the scan.

5. If the radio has been used before, the last used station will be selected.

6. When the scanning is completed the first station (in numeric-alpha order 0...9...A....Z) will be selected.

7. If this is the first time that the radio has not been used, 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.

8. If the station list is still empty after the Auto tune your clock radio will display "No DAB Station".

9. If no signals are found it may be necessary to relocate your clock radio to a position giving better reception.

STANDBY

3
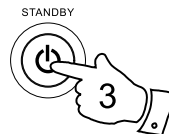
```
Welcome to
Digital Radio
```

```
00:00:00
Time is not set
```

```
No DAB Station
```

GB

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## Selecting a station - DAB

1. The top line of the display shows the name of the station
   currently selected.

2. Press the Tuning Up or Down buttons to scroll through the list of
   available stations. Stop pressing the Tuning Up or Down buttons
   when you find the station that you wish to hear.

3. Press and release the Select button to select the station. The display
   may show "Now Tuning" while your clock radio finds the new station.

4. Adjust the Volume Up or Down buttons to the required settings.

Note:
If there is no sound after selecting a station, press and release the Info
button to check scrolling text, the display continues to show
"Service not available" it may be necessary to relocate your clock radio
to a position giving better reception.

```
RTI          DAB
       13:36:06
```

TUNE –  2    TUNE +  2

SELECT
3

```
Super_In   DAB
Now tuning...
```

VOL. ▼ ▲
4    4

INFO

```
Super_In    DAB
Service not avai
```
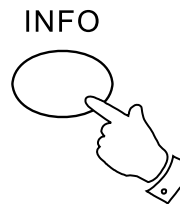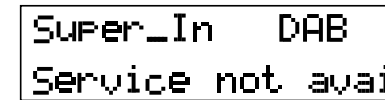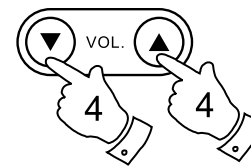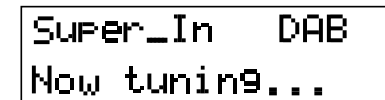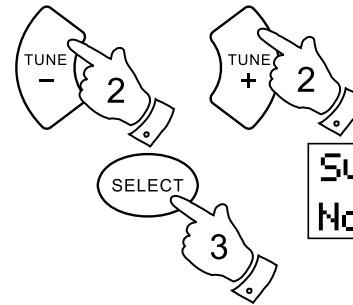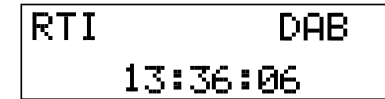
**Display modes – DAB**

Your clock radio has a range of display modes:-

1. Press and release the Info button to cycle through the various modes.

INFO

a. Scrolling Text — Displays scrolling text messages such as artist/track name, phone in number etc.

b. Signal Strength — Displays a graph showing the signal strength for the station being received.

c. Program Type — Displays the type of station being listened to e.g. Pop, Classic, News etc.

d. Multiplex Name — Displays the name of DAB multiplex to which the current station belongs.

e. Channel & Frequency — Displays the frequency and channel 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. Time — Displays the current time.

h. Date — Displays the current date.

a
```
BBC R7      DAB
Im sorry I have
```

b
```
BBC 7       DAB
████ ████
```

c
```
BBC R7      DAB
Varied Speech
```

d
```
BBC R7      DAB
BBC National DAB
```

e
```
BBC R7      DAB
12B   225.64MHz
```

f
```
BBC R7      DAB
80kbps / MP2
```

g
```
BBC R7      DAB
     19:17
```

h
```
BBC R7      DAB
   08-06-2008
```

GB

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## Finding new radio stations – DAB

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

AUTO TUNE

```
Scanning...   24
████████
```

1. With the radio switched on and in DAB mode, press and release the Auto Tune button. The display will show "Scanning..." and your clock radio will perform a scan of the Band III DAB channels. 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.

## 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 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 Up or Down buttons to clockwise.

TUNE −    TUNE +    SELECT

```
BBC R5L      DAB
◆ ≪ BBC R5SX      ◆
```

```
BBC R5SX     DAB
◆     BBC R5L  ≫  ◆
```
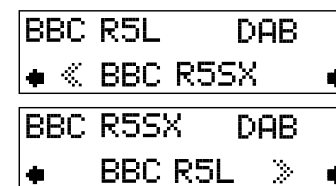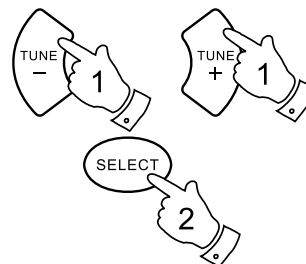
2. Press and release the Select button to select the station.

3. When the secondary service shuts down, your clock radio will automatically switch back to the main radio station (or primary service) if it is available.

## Manual Tuning – DAB

Manual tuning allows you to tune your clock radio to a particular
DAB frequency. Any new stations found will be added to the station list.
Note that DAB stations are located in the range of 5A-13F.

1. With the radio switched on and in DAB mode, press and release the
   Advanced button, the display shows "Manual tune".

2. Press and release the Select button to enter manual tuning mode.

3. Press the Tuning Up or Down buttons to select the desired
   DAB channel.

4. Press and release the Select button to tune to the chosen frequency.
   If a signal is present then the channel number and the first part of
   DAB multiplex name will be displayed. Any found stations will be
   added to the stored list in the radio.

5. Press and release the Select button again to return to the normal
   DAB tuning mode.

ADVANCED

1

SELECT

2,4,5

TUNE
–

TUNE
+

3          3

```
       DAB
<Manual  tune      >
```

```
    Manual  tune
<10C  213.360      >
```

```
10C  213.360  Supe
■■■■■■▯■■■■□□□□□□□□
```

```
RTI          DAB
     11:23:43
```

GB

10
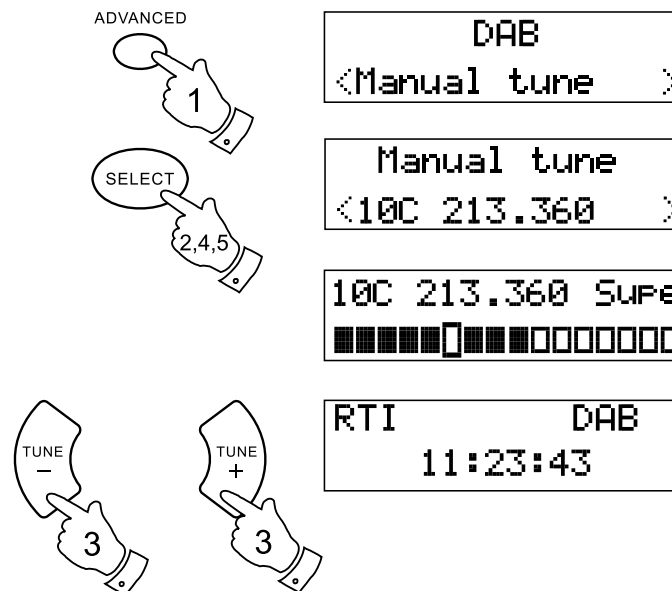
## Dynamic Range Control (DRC) - DAB

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

There are three levels of DRC compression,
- DRC off: DRC is switched off, broadcast DRC will be ignored.
- DRC high: DRC is set as sent by broadcaster.
- DRC low: DRC level is set to 1/2 that sent by broadcaster.

With the radio switched on and in DAB mode,
1. Press and release the On / StandBy button to switch on your clock radio.

2. Press and release the Advanced button. The display will show "Manual tune."

3. Press the Tuning Up or Down buttons until the display shows "DRC".

4. Press and release the Select button to enter the adjustment mode.

5. Press the Tuning Up or Down buttons to select the required DRC setting (the default is off).

6. Press and release the Select button to confirm the setting.

7. Press and release the Info button, the display will return to normal tuning mode.

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.

11

```
         DRC        *
<DRC off            >
```
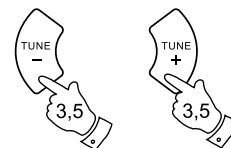
```
      Manual tune
<DRC high           >
```

```
10C 213.360 Supe
<DRC low            >
```

```
         DAB
<Manual tune        >
```

```
         DAB
<DRC                >
```

STANDBY
1

ADVANCED
2

TUNE −
3,5

TUNE +
3,5

SELECT
4,6

INFO
7

**Operating your radio – FM auto-tune**

1. Fully extend the aerial located on the rear of your clock radio. Place the antenna so that it is an straight as possible, extending either above the radio.

2. Press and release the On / StandBy button to switch on your clock radio.

3. Press and release the Band button to select the FM band.

4. Press and release the Auto Tune button, display will show scanning and your clock radio will scan from low frequency to high frequency (or in the direction last scanned). It will 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 will display the station name.

6. To find additional stations, press and release the Auto Tune button as before.

7. To scan the FM band in a upward or downward direction (low frequency to high frequency or high frequency to low frequency), i.e. clockwise or counter-clockwise, press and hold down the Tuning Up or Down buttons for 0.5 seconds and then release the Tuning Up or Down buttons to tune to a station, and then press and release the Auto Tune button, the frequency will continue following the last Tuning Up or Down buttons in a upward or downward direction.

8. Adjust the Volume Up or Down buttons to the required setting.

9. To switch off your clock radio press and release the On / Standby button.

**Manual tuning – FM**

1. Press and release the On / StandBy button to switch on your clock radio.

2. Press and release the Band button to select the FM band. Carefully extend the telescopic aerial fully for FM reception.

3. Press the Tuning Up or Down buttons to tune to a station. With each click of the control the frequency will change up or down by 50 kHz.

4. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.

5. Set the Volume Up or Down buttons to the desired settings.

6. To switch off your clock radio press and release the On / StandBy button.

**GB**

**Display modes – FM**

In FM mode the bottom line of the display can be set to any of the following display options:-

1. Press and release the Info button to cycle through each of the options.

INFO



| | | |
|---|---|---|
| a. Time | Displays the current time. | |
| b. Date | Displays the current date. | |
| c. Radio text (Scrolling text) | Displays scrolling text messages such as artist / track name, phone in number, etc. | |
| d. Program type | Displays type of station being listened to e.g. Pop, Classic, News, etc. | |
| e. Program Name / Frequency | Displays frequency of the station being listened to. | |
| f. Audio mode | Display shows Stereo or Mono. | |

Note:
Your clock radio will display "NO Radio Text" on the lower line of the display if there is no scrolling text available and "NO PTY" if there is no programme type information.

a
```
BBC R2        FM
    12:02
```

b
```
BBC R2        FM
  16-06-2009
```

c
```
BBC R2        FM
The latest news
```

d
```
BBC R2        FM
Pop Music
```

e
```
BBC R2        FM
88.10MHz
```

f
```
BBC R2        FM
Stereo
```

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## Presetting stations - DAB and FM

There are 5 memory presets on the panel for each of the 2 wavebands. However, There are 10 memory presets on the remote control for each of the 2 wavebands.

1. Press and release the On / StandBy button 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 button. Repeat this procedure for the remaining presets.

4. Stations stored in preset memories may be overwritten by following the above procedure.

## Recalling a preset station - DAB and FM

1. Press and release the On / StandBy button to switch on the radio.

2. Select the required waveband by pressing the Band button.

3. Momentarily press and release the required Preset button, your radio will tune to the station stored in preset memory.

GB

## Scan sensitivity setting

Your radio will normally scan for FM broadcasts which are strong enough to give good reception. However, you may wish the Scan function to also be able to find weaker signals, possible from more distant radio transmitters. Your radio includes a local / distant option for the Scan function in the FM band.

1. Switch on your radio and select FM band by pressing Band button.

2. Press and release the Advanced button. The display will show "FM scan zone".

3. Press and release the Select button to enter FM Scan Zone set.

4. Press the Tuning Up or Down buttons to switch between Local and Distant options. The distant option will allow the radio to find weaker signals when scanning.

5. 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 Factory Reset.

Note:
The local setting causes the radio to ignore weak signals.

DAB/FM/AUX

RADIO

1

ADVANCED

2

SELECT

3,5

TUNE
—

4

TUNE
+

4

```
         FM
< FM scan zone    >
```

```
   FM scan zone *
< Local           >
```

```
   FM scan zone
< Distant         >
```
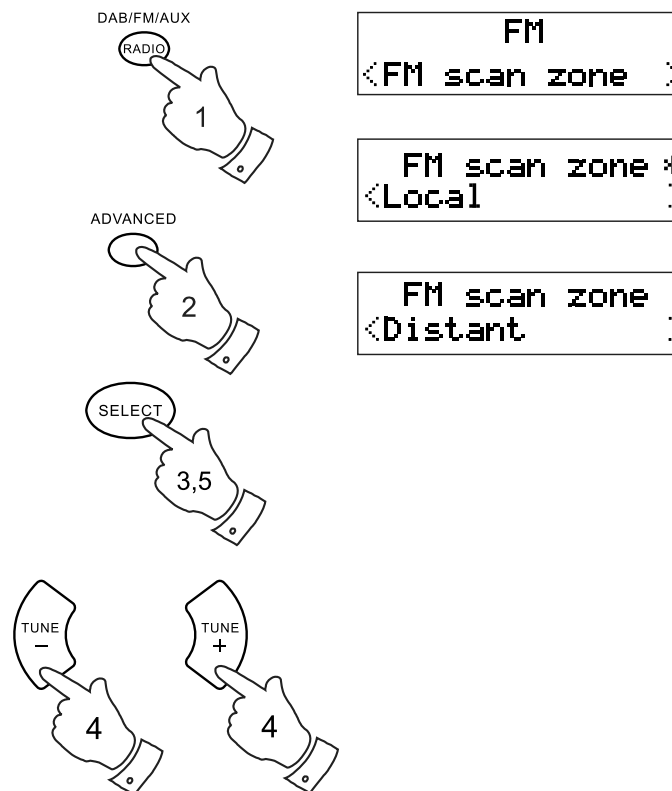
## Stereo / Mono setting – FM

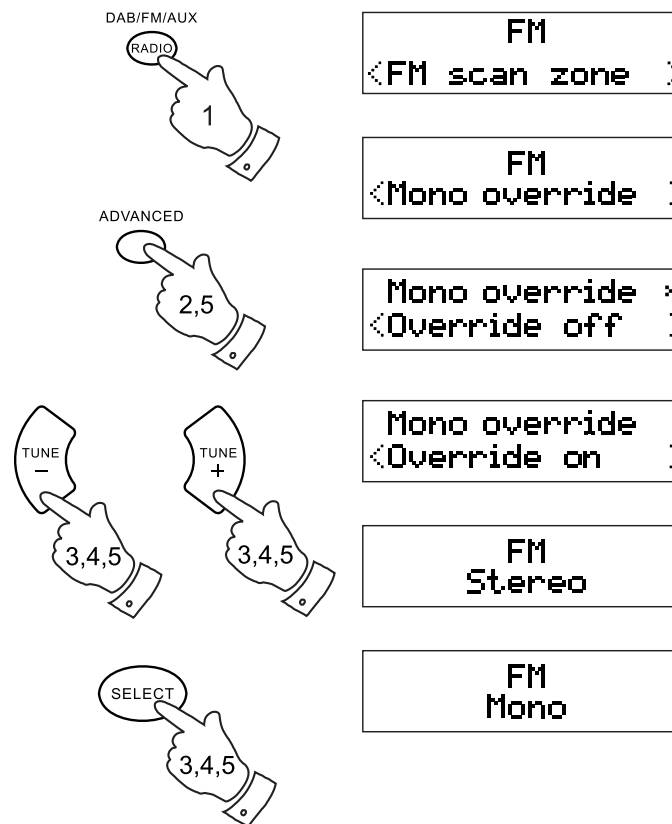Your clock radio will play stereo broadcasts in stereo (via headphones) so long as the received signal is of adequate strength. However, as a stereo signal becomes weaker, the audio signal will become poorer. It may be preferable to force the radio to play the station in mono in order to reduce the level of audio noise.

1. Switch on your clock radio and tune to the required FM radio station by pressing the Band button.

2. Press and release the Advanced button. The display will show "FM scan zone".

3. Press the Tuning Up or Down buttons to switch "Mono override" then press and release the Select button to enter the Mono override menu. Display will show "Override off " if the radio is in Auto stereo mode.

4. Press the Tuning Up or Down buttons and then Press and release the Select button to switch on the Mono override. While the setting is stored, the radio will play the current station in mono whether listening via headphones or the loudspeaker. Mono override is a temporary setting and is applied to the currently tuned station only. It is cancelled automatically by tuning to another radio station.

5. If you wish to cancel Mono override while listening to the currently tuned radio station, press and release the Advanced button then following above procedures to enter Mono override menu to allocate Mono override On. Press the Tuning Up or Down buttons to allocate Mono override off. Press the Select button to switch off the Mono override. The radio will then play the current station in stereo through headphones if the signal is sufficiently strong.

Note:
You can also directly press and release the Select button to switch on the Mono or Stereo mode on the remote control or the panel.

DAB/FM/AUX
RADIO
1

ADVANCED
2,5

TUNE −
3,4,5

TUNE +
3,4,5

SELECT
3,4,5

```
         FM
<FM scan zone    >
```

```
         FM
<Mono override   >
```

```
 Mono override   *
<Override off    >
```

```
 Mono override
<Override on      >
```

```
         FM
       Stereo
```

```
         FM
        Mono
```

**GB**

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## Clock display

1. When your clock radio is in Standby mode, the display normally
   show the current time, date, month and year.

2. During StandBy mode the clock will receive updates from the last
   station tuned to before entering StandBy mode. When in StandBy
   mode your radios clock will automatically track Summer / Winter
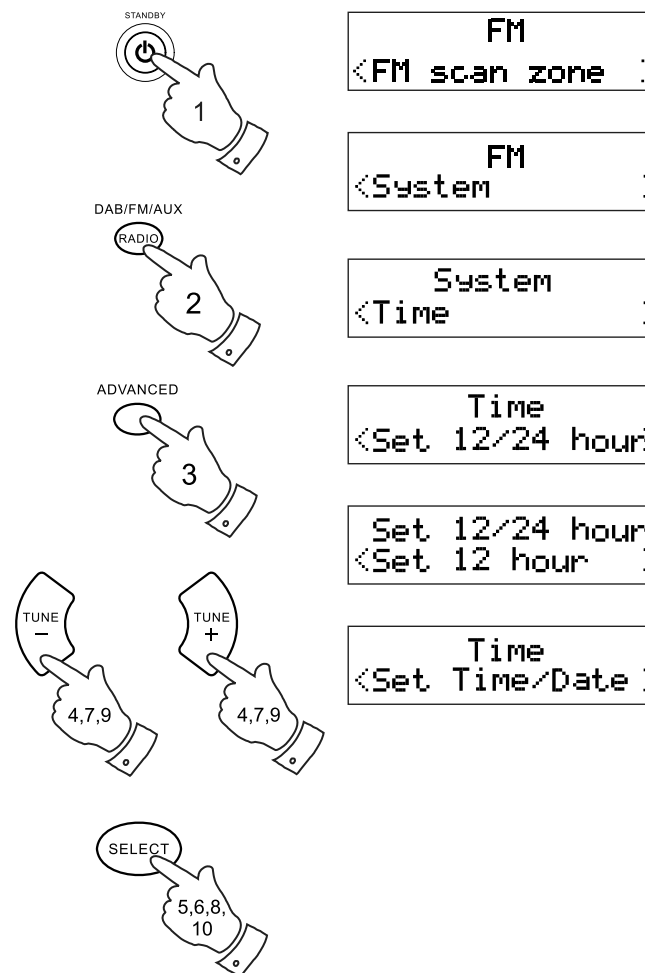   time changes.

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## Setting the time and the date manually

The DDR-31 Plus will automatically set its clock when tuned to a DAB radio station or to an FM station which is broadcasting the time via RDS.

If the clock cannot be set using DAB or FM radio then you will need to set the time and the date manually before the alarm function can be used. The time and the date may be set while the unit is in StandBy mode or while playing.
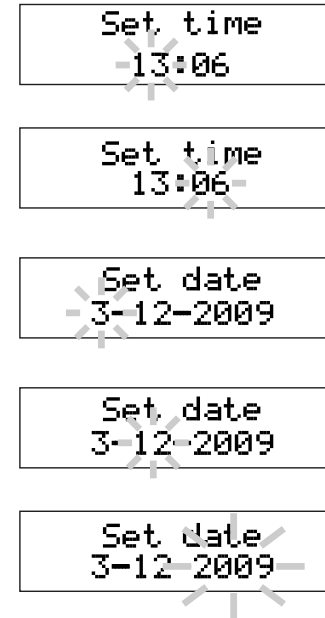
If it becomes necessary to set the time and the date manually, please follow these steps:

1. Press and release the On / StandBy button to switch on the radio.

2. Select the required waveband by pressing the Band button.

3. Press and release the Advanced button. The display will show "FM scan zone".

4. Press the Tuning Up or Down buttons to switch "System".

5. Press and release the Select button to enter the Time menu.

6. Press and release the Select button to enter the "Set 12/24 hour" menu.

7. Press the Tuning Up or Down buttons to switch the "Set 12/24 hour".

8. Press and release the Select button to confirm your selection. The 12/24 hour setting is stored in the radio.

9. Press the Tuning Up or Down buttons to switch the "Set Time/Date".

10. Press and release the Select button to enter the "Set Time/Date" menu.

STANDBY

1

DAB/FM/AUX

RADIO

2

ADVANCED

3

TUNE –

4,7,9

TUNE +

4,7,9

SELECT

5,6,8, 10

```
         FM
<FM scan zone    >
```

```
         FM
<System          >
```

```
       System
<Time            >
```

```
        Time
<Set 12/24 hour>
```

```
  Set 12/24 hour
<Set 12 hour     >
```

```
        Time
<Set Time/Date >
```

**GB**

11. The hour digits on the display will flash. Press the Tuning Up or Down buttons to change the hour digits as needed.

12. Press and release the Select button to confirm the hour setting.

13. The minute digits on the display will flash. Press the Tuning Up or Down buttons to change the minute digits as needed.

14. Press and release the Select button to confirm the minutes setting.

15. The day digits on the display will flash. Press the Tuning Up or Down buttons until the desired day is set.

16. Press and release the Select button to confirm the day setting.

17. The month will flash on the display. Press the Tuning Up or Down buttons until the desired month is set.

18. Press and release the Select button to confirm the month setting.

19. The year number will flash on the display. Press the Tuning Up or Down buttons until the desired year is set.

TUNE −   11,13,15, 17,19

TUNE +   11,13,15, 17,19

SELECT   12,14, 16,18

Set time
13:06

Set time
13:06

Set date
3-12-2009

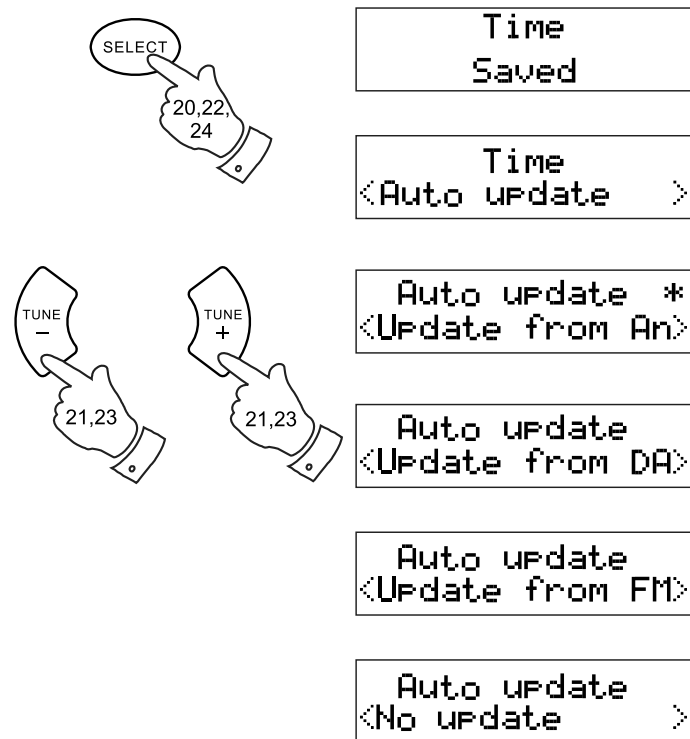Set date
3-12-2009

Set date
3-12-2009

20. Press and release the Select button to confirm the year and to complete the clock and date setting. The Time/Date setting is stored in the radio.

21. Press the Tuning Up or Down buttons to switch "Auto update".

22. Press and release the Select button to enter the "Auto update" menu.

23. Press the Tuning Up or Down buttons to switch the "Auto update" mode. There are four "Auto update " modes as Update from Any, Update from DAB, Update from FM and No update.

24. Press and release the Select button to confirm your selection. The Auto update setting is stored in the radio.

SELECT

20,22, 24

TUNE —

21,23

TUNE +

21,23

```
      Time
     Saved
```

```
      Time
‹Auto  update      ›
```

```
 Auto  update   *
‹Update  from  An›
```

```
 Auto  update
‹Update  from  DA›
```

```
 Auto  update
‹Update  from  FM›
```

```
 Auto  update
‹No  update        ›
```
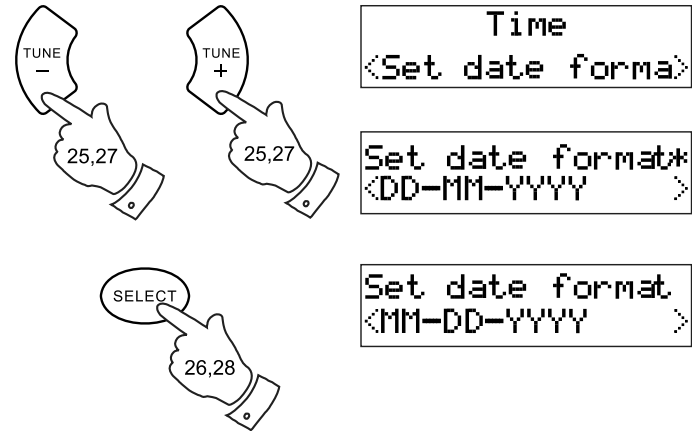
GB

20

25. Press the Tuning Up or Down buttons to switch "Set date format".

26. Press and release the Select button to enter the "Set date format" menu.

27. Press the Tuning Up or Down buttons to switch the "Set date format " mode. There are two "Set date format" modes as DD-MM-YYYY and  MM-DD-YYYY.

28. Press and release the Select button to confirm your selection. The Auto update setting is stored in the radio.

29. The display will revert to the display for the previous operating mode.

TUNE
−

TUNE
+

25,27

25,27

SELECT

26,28

```
       Time
<Set date forma>
```

```
Set date format*
<DD-MM-YYYY      >
```

```
Set date format
<MM-DD-YYYY      >
```

## Setting the alarm times

Your clock radio has two alarms which can be set to wake you either radio or buzzer alarm. Each alarm can be set to sound once, daily, on weekdays or at weekends.

Note:
If no buttons are pressed for 10 seconds, your clock radio will exit the alarm set up.

1. The alarm can be set either the radio is on or standby.

2. Press and release the Alarm button to switch the "Alarm 1 Setup" or the "Alarm 2 Setup" meau.

3. Press and release the Select button to enter the "Alarm 1 Wizard" or "Alarm 2 Wizard" menu.

4. The hour digits on the display will flash. Press the Tuning Up or Down buttons to change the hour digits as needed.

5. Press and release the Select button to confirm the hour setting.

6. The minute digits on the display will flash. Press the Tuning Up or Down buttons to change the minute digits as needed.

7. Press and release the Select button to confirm the minutes setting. The alarm times setting is stored in the radio.

8. The duration digits on the display will flash. Press the Tuning Up or Down buttons until the desired duration is set. There are five "Duration" options as 15, 30, 45, 60, and 90 minutes.
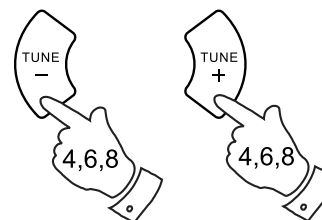
ALARM

2

SELECT

3,5,7

TUNE −

TUNE +

4,6,8     4,6,8

```
 Alarm 1 Setup
```

```
 Alarm 1 Wizard
On time   06:00
```

```
 Alarm 1 Wizard
On time  06:00
```

```
 Alarm 1 Wizard
On time   06:00
```

```
 Alarm 1 Wizard
Duration 90
```

**GB**

9. Press and release the Select button to confirm your selection.
   The alarm duration setting is stored in the radio.

10. The source digits on the display will flash. Press the Tuning Up or
    Down buttons until the desired source is set. There are three
    "Source" options as FM, Buzzer and DAB.

11. If the alarm source buzzer is chosen, press and release the Select
    button to confirm your selection. The alarm source setting is stored
    in the radio.

12. The day digits on the display will flash. Press the Tuning Up or
    Down buttons until the desired the alarm day is set. There are four
    "Alarm day" options as Once, Weekends, Weekdays, and Daily.

- Once: will sound at one time only.
- Weekends: will sound only at weekends.
- Weekdays: will sound only on weekdays.
- Daily: will sound everyday.

13. Press and release the Select button to confirm your selection.
    The alarm day setting is stored in the radio.

14. If the alarm source DAB or FM is chosen, press and release the
    Select button to confirm your selection. The alarm source setting is
    stored in the radio.

15. The station digits on the display will flash. Press the Tuning Up or
    Down buttons until the desired station is set. There are two
    "Station" options as the last listened station and the preset stations.

16. Press and release the Select button to confirm your selection.
    The alarm station setting is stored in the radio.

Note:
If there is no preset station, the display will show only last listened.

23

SELECT

9,11,13,
14,16

TUNE
−

TUNE
+

10,12,
15

10,12,
15

```
Alarm 1 Wizard
Source Buzzer
```

```
Alarm 1 Wizard
Once
```

```
Alarm 1 Wizard
Source FM
```

```
Alarm 1 Wizard
Last listened
```

```
Alarm 1 Wizard
1: 96.30MHz
```

17. The alarm day digits on the display will flash. Press the Tuning Up or Down buttons until the desired the alarm day is set. There are four "Alarm day" options as Once, Weekends, Weekdays, and Daily.
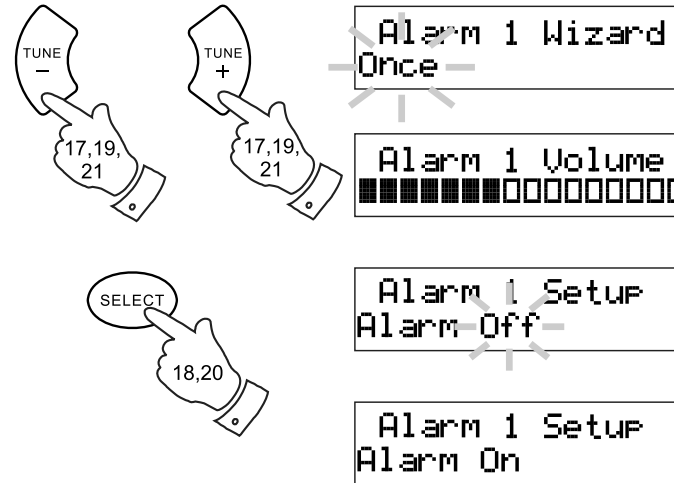
18. Press and release the Select button to confirm your selection. The alarm day setting is stored in the radio.

19. The lower line of the display will show a bar-graph indicating sound level of the alarm. Press the Tuning Up or Down buttons until the desired volume is set.

Note:
The default minimum volume level of the alarm is one.

20. Press and release the Select button to confirm your selection. The alarm volume setting is stored in the radio.

21. The alarm setup digits on the display will flash. Press the Tuning Up or Down buttons to switch the alarm setup digits as needed. There are two "Alarm Setup" options as On and Off.

TUNE
−

17,19,
21

TUNE
+

17,19,
21

SELECT

18,20

```
 Alarm 1 Wizard
Once
```

```
 Alarm 1 Volume
■■■■■■■□□□□□□□□□
```

```
 Alarm 1 Setup
Alarm Off
```

```
 Alarm 1 Setup
Alarm On
```

22. Press and release the Select button to confirm the alarm setup setting. The alarm setup setting is stored in the radio.

23. The display will show "Alarm saved" and will appear alarm symbol ♪ indicating the alarm is set.

24. Pres the Tuning Up or Down buttons to select Off. The display will show "Alarm saved" but the display will not appear alarm symbol.
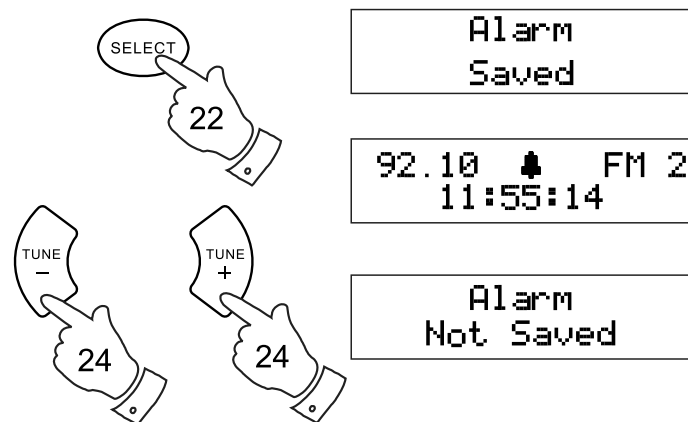
Note:
If the above alarm setting procedures are not completed, the display will show "Alarm Not saved". You may have to start over above procedures again.

25. The alarm has now been set and the unit will revert to the previous display. The alarm symbol indicator (alarm 1 or 2) will show on the display.

Note:
You can also press and hold down the Alarm button to switch the "Alarm 1 Setup" or the "Alarm 2 Setup" menu, when your clock radio is in Standby mode. Then press and release the Select button to enter the "Alarm 1 Wizard" or "Alarm 2 Wizard" menu as above described.



```
┌─────────────────┐
│     Alarm       │
│     Saved       │
└─────────────────┘

┌─────────────────┐
│ 92.10  ♪    FM 2│
│     11:55:14    │
└─────────────────┘

┌─────────────────┐
│     Alarm       │
│   Not Saved     │
└─────────────────┘
```

**Stop the alarm**

When alarm is active, press the On / StandBy button to stop the alarm (radio and buzzer).

Note:
When alarm is active, press any button (except the On / StandBy button)to enter into "5 minutes Snooze Mode".

**Canceling alarms**

1. Following above alarm setting procedures to allocate alarm On or Off, select OFF by pressing the Tuning Up or Down buttons then press Select button to cancel the alarm setting. The alarm symbol will disappear from the display.
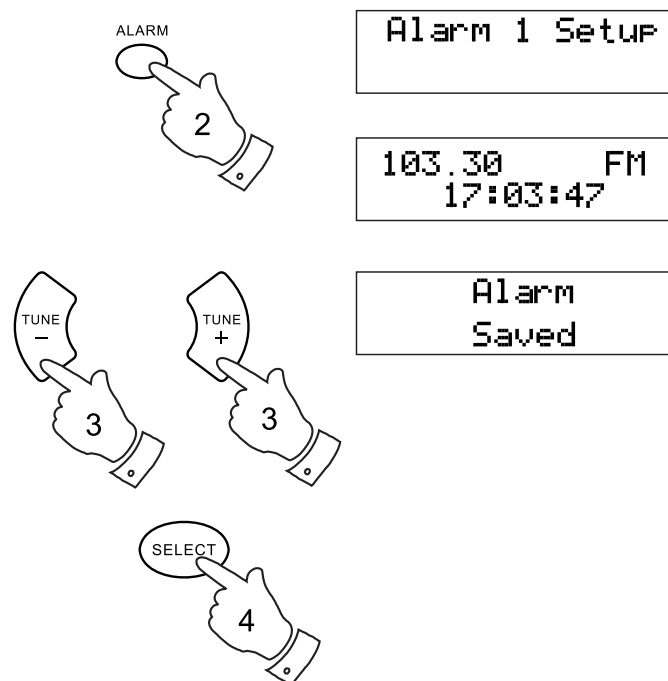
Note:
You can also follow the below procedures of the canceling alarms.

1. The alarm can be set either the radio is on or standby.

2. If the radio is switched on, press and release the Alarm button to switch the "Alarm 1 Setup" or the "Alarm 2 Setup" meau.

3. Press the Tuning Up or Down buttons to select Off.

4. Press and release the Select button to confirm the alarms setting off. The alarm setup setting is stored in the radio. The display will show "Alarm saved" but the display will not appear alarm symbol.

Note:
You can also press and release the Alarm button to switch on or off the "Alarm 1 Setup" or the "Alarm 2 Setup", when your clock radio is in Standby mode. Then press and release the Select button to switch on or off the "Alarm 1 Setup" or the "Alarm 2 Setup", when your clock radio is in Standby mode.

ALARM

2

```
Alarm 1 Setup
```

```
103.30      FM
   17:03:47
```

TUNE
−

TUNE
+

3          3

```
Alarm
Saved
```

**GB**

SELECT

4

## Sleep timer

Your clock radio can be set to turn off after a preset time has elapsed.
The sleep timer can be adjusted between 15 and 90 minutes in
15 minutes increments (except 75 minutes). Ensure your clock radio is
switched on.

1. Press and hold down the Sleep button until desired sleep time
   appears on the display. Release the Sleep button.

2. The display will show an " **S** " indicating sleep timer is set.

3. Press and release the Sleep button to monitor remaining sleep
   timer time.
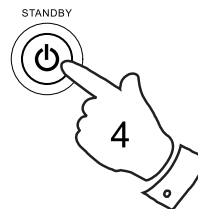4. To cancel sleep timer, simply press the On / Standby button.

Note:
The Sleep button is on the remote control only. The unit does not has a
Sleep button.

1,3

STANDBY

4
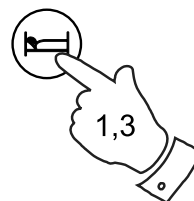
```
Set sleep time
   90 minutes
```

```
103.30    S FM
    17:17:45
```

```
    Sleep
remain 12 min
```

## EQ function

The sound on your sound system can be adjusted to suit your personal taste for the material that you are listening to. The DDR-31 plus has six preset equalizer modes. Alternatively, you may set the treble and bass levels to your own preferences.

1. Press and release repeatedly the EQ button to cycle through the various modes until desired equalizer mode appears on the display. Release the EQ button.

- Flat - no tone modification is applied
- Jazz
- Rock
- Classic
- Pop
- News
- Treble - tone setting may be adjusted
- Bass - tone setting may be adjusted

Note:
The EQ button is on the remote control only. The unit does not has a EQ button.



```
EQ Setup
   Flat
```

## Treble control

1. Press the EQ button to cycle through the modes until "Treble" appears on the display. The current treble setting will be shown on the display.

2. To adjust the treble setting press and release the Tuning Up or Down buttons until the desired level is displayed.

```
EQ Setup
Treble 14
```
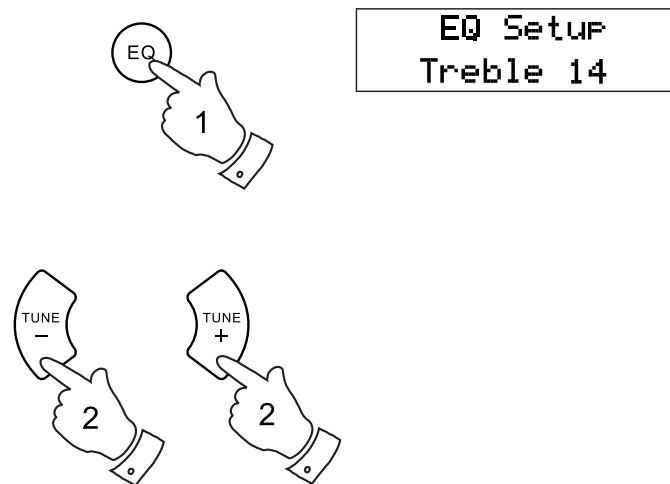
## Bass control

1. Press the EQ button to cycle through the modes until "Bass" appears on the display. The current bass setting will be shown on the display.

2. To adjust the bass setting press and release the Tuning Up or Down buttons until the desired level is displayed.

3. Press the Select button to revert to the play mode display.

Note:
To quickly cancel the effect of the treble or bass settings press the EQ button until "Flat" appears on the display. The treble and bass settings will be remembered for the next time that you wish to adjust them.
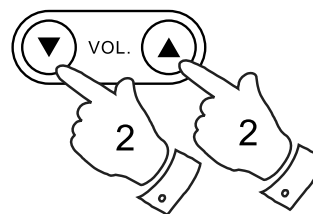
29

**Mute function**

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

1. Press the Mute button to mute the sound output. The display will show "Volume Muted".

2. Press the Mute button again or one of the Volume Up or Down buttons to un-mute the sound output.

```
Volume
Muted
```

1,2

VOL.

2    2

**Display backlight dimmer**

1. In order to adapt the intensity of the display to suit the ambient room lighting, press the Light button on the remote control or on your clock radio to select the dimmer brightness from level zero to level seven settings.

**GB**

## Factory reset

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

1. Press and release the On / StandBy button to switch on your clock radio.

2. Press and release the Advanced button. When the DDR-31 Plus is tuned to a DAB radio station, the display will show "Manual tune."

Note:
Press and release the Advanced button. When the DDR-31 Plus is tuned to an FM station, the display will show "FM scan zone".

3. Press the Tuning Up or Down buttons until the display shows "System".

4. Press and release the Select button to enter the adjustment mode.

5. Press the Tuning Up or Down buttons until the display shows "Factory reset".

6. Press and release the Select button to enter the Factory reset menu.

7. Press the Tuning Up or Down buttons to switch the <No> or <Yes>.

8. Press the Tuning Up or Down buttons to select YES, then press and release the Select button to start the Reset, the display will appear "Restarting…".

9. A full reset will be performed, the station list and presets will be erased. The display will show "Welcome to Digital Radio" for a few seconds and then the flash clock digits and the display will show "Time is not set". When the factory reset is complete, you can set new settings. In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.
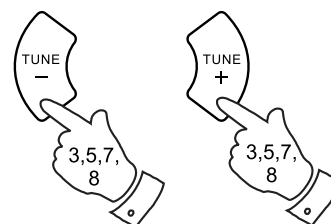
STANDBY

1

ADVANCED

2

TUNE −

TUNE +

3,5,7,8

3,5,7,8

SELECT

4,6,8
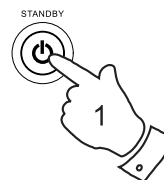
```
         DAB
<Manual tune     >
```

```
         FM
<FM scan zone    >
```

```
         FM
<System          >
```

```
       System
<Factory Reset  >
```

```
  Factory Reset?
    No <Yes>
```

```
Restarting...
```

## Software version

The software display cannot be altered and is just for your reference.
Ensure your radio is switched on and in DAB or FM mode.

1. Press and release the On / StandBy button to switch on your
   clock radio.

2. Press and release the Advanced button. When the DDR-31 Plus is
   tuned to a DAB radio station, the display will show "Manual tune."

Note:
Press and release the Advanced button. When the DDR-31 Plus is tuned
to an FM station, the display will show "FM scan zone".
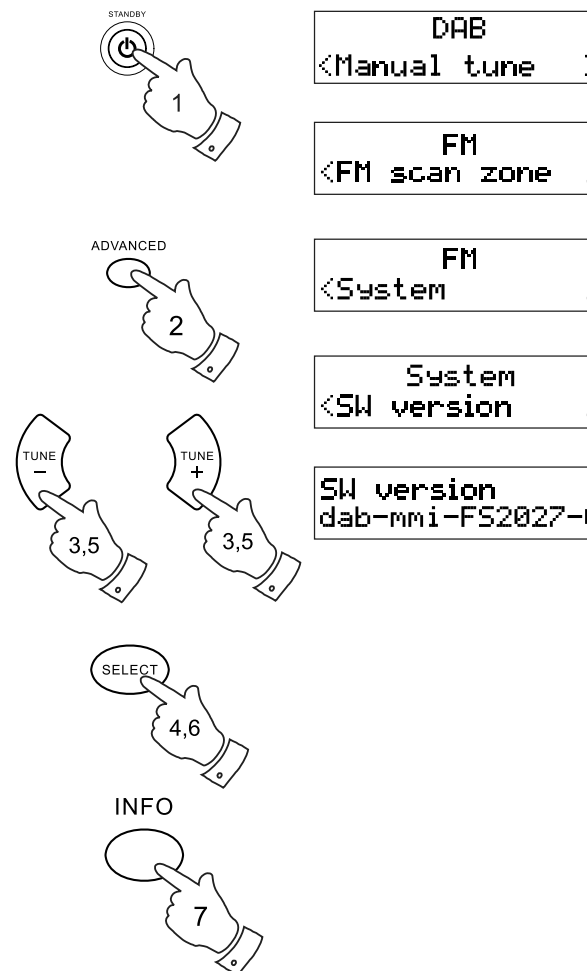
3. Press the Tuning Up or Down buttons until the display shows
   "System".

4. Press and release the Select button to enter the adjustment mode.

5. Press the Tuning Up or Down buttons until the display shows
   "SW version".

6. Press and release the Select button to display the software version of
   your clock radio.

7. Press and release the Info button to return to the normal radio mode.

STANDBY

1

ADVANCED

2

TUNE
−

TUNE
+

3,5        3,5

SELECT

4,6

INFO

7

DAB
‹Manual tune     ›

FM
‹FM scan zone    ›

FM
‹System          ›

System
‹SW version      ›

SW version
dab-mmi-FS2027-0

## USB socket for software upgrade

Software updates for your clock radio may be availabe in the future.
As software updates become available software and information on how to update your radio can be found at
*www.sangean.com.tw/index_tw.asp*, *www.sangean.nl/English*, or *www.sangean.com.au.*

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

## Headphone socket

A 3.5mm stereo Headphone Socket located on the rear of your clock 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.

## Auxiliary Input socket

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

1. Connect a stereo or mono audio source (for example, MP3 or CD player) to the Auxiliary Input socket.

2. Press the Mode button until "AUX IN" is selected on the display.

3. Adjust the Volume Up or Down buttons on your MP3 or CD player to ensure an adequate signal and then adjust the volume on the radio for comfortable listening.
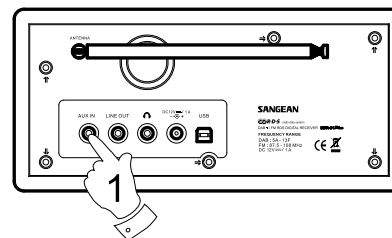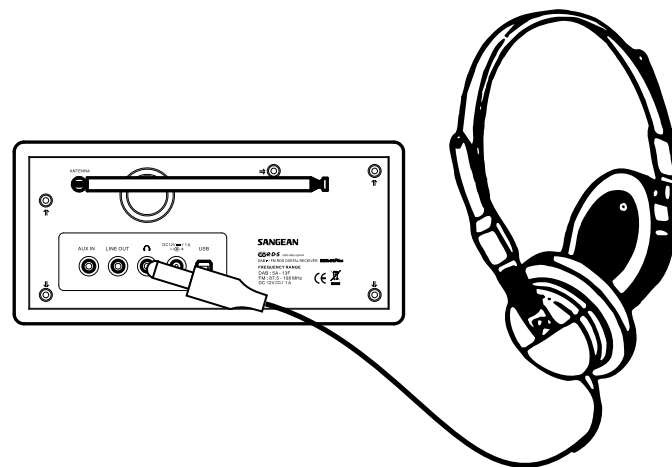
## Line Out socket

1. A 3.5mm stereo Line Out socket is provided on the rear of your sound
   system to permit the audio signal to be fed to an external amplifier or
   other audio device.
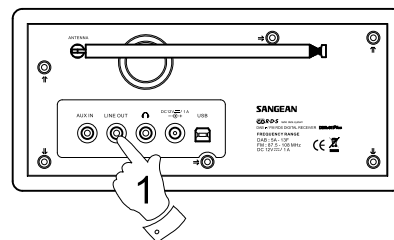
## Cautions

Do not allow this radio to be exposed to water, steam or sand. Do not
leave your radio where excessive heat could cause damage such as in a
parked car where the heat from the sun can build up even though the
outside temperature may not seem too high.

- Your radio should not be exposed to dripping or splashing and that
  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
  or its ventilation openings 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.
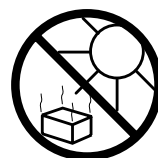
**GB**

## Specifications

**Power Requirements**
Mains:
AC 100 ～ 240 volts, 50 Hz-60 Hz DC 12V 1A only (switching adaptor)

**Frequency Coverage**
FM 87.5 - 108MHz
DAB 174.928 - 239.200MHz

## Circuit Features

Loudspeaker: 3", 8 ohm
Output Power: 7 Watt

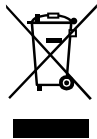Headphone socket: 3.5mm dia
Auxiliary Input socket: 3.5mm dia
Line out socket: 3.5mm dia

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)*