ROBERTS

Blutune 60

DAB / DAB+ / FM / CD / USB / Bluetooth sound system

Supports MP3 / WMA playback from CD / USB with bookmark

Bluetooth™
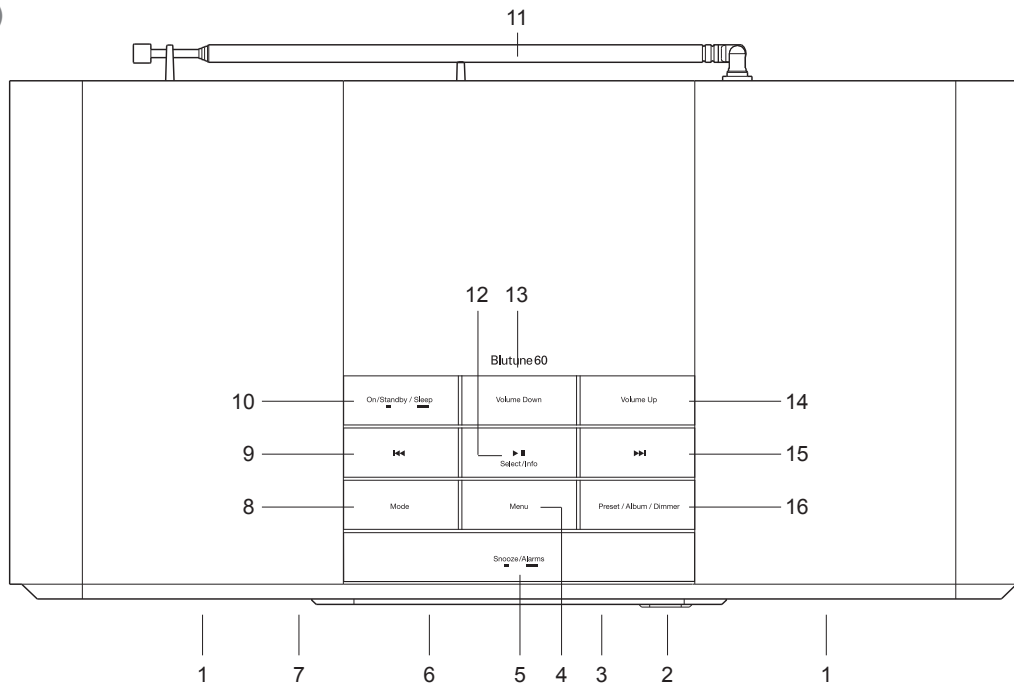
DAB
Digital Audio Broadcasting

DAB+

Digital **Radio**

Please read this manual before use

Contents

Controls (Top)

1. Loudspeakers x 2
2. CD eject button
3. CD slot
4. Menu button
5. Snooze / Alarms button
6. LCD display

7. Infra red sensor
8. Mode button
9. Tuning Down / Previous button
10. On/Standby / Sleep button
11. Telescopic aerial

12. Select / Info / Play/Pause button
13. Volume Down button
14. Volume Up button
15. Tuning Up / Next button
16. Preset / Album / Dimmer button

Button operation
▬ Short press
▬▬ Long press

Controls (rear)
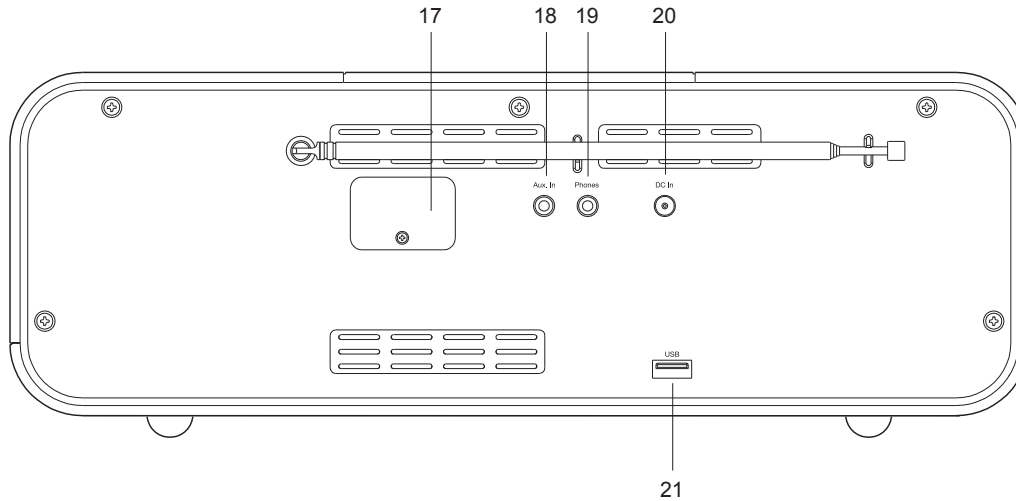
17. USB socket (for software upgrades only)
18. Auxiliary input socket
19. Headphone socket
20. DC input socket
21. USB / Charging socket

Controls (remote control)

1. On/Standby / Sleep button
2. Mode button
3. Menu button
4. Select / Info / Play/Pause button
5. Tuning Down / Previous button
6. Repeat / Intro button
7. Dimmer button
8. Snooze / Alarms button
9. Preset / Album button
10. Stop button
11. Program / Random button
12. Tuning Up / Next button
13. Mute button
14. Volume Down button
15. Volume Up button

ROBERTS
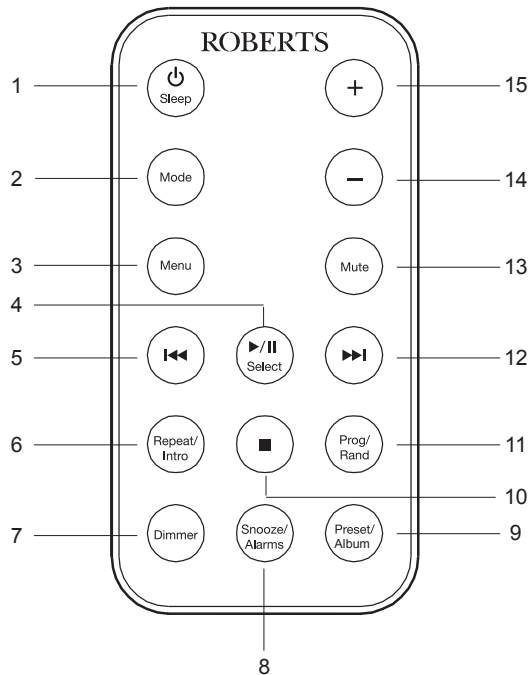
Note: For the sake of clarity, the instructions for the use of the controls throughout this instruction manual show the buttons on the sound system. The buttons on the remote can be used if you prefer. However the Mute, Stop, Repeat / Intro and Program / Random features are only available when using the remote control.

Remote handset battery replacement

1. Slide the catch to the right hand side.

2. Remove the battery holder by pushing the holder in the direction shown.

3. Remove the battery from the holder.

4. Replace the battery (CR2025 or equivalent) ensuring that the positive side of the battery faces you with the holder positioned as shown.

5. Replace the battery holder.

If the remote is not to be used for an extended period of time it is recommended that the battery is removed.

IMPORTANT: The battery should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should if possible be taken to a suitable recycling centre. On no account should batteries be disposed of by incineration.
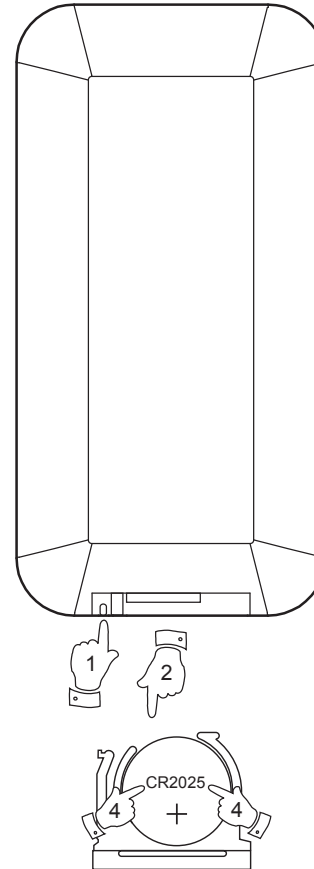
Using the sound system for the first time

1. Place your sound system on a flat surface.

2. Fully extend the telescopic aerial located on the rear of your sound system. The aerial should be fully extended and positioned vertically for optimum reception.

3. Insert the adaptor plug into the DC socket located on the rear of your sound system. Plug the adaptor into a standard 13 amp mains socket outlet. The display will show *'ROBERTS RADIO, ENJOY LISTENING'* for a few seconds. During this time the sound system is scanning to find a DAB radio signal.

4. If no signal is found, it may be necessary to relocate your sound system to a position giving better reception. You should then carry out a scan to find stations as described on page 11.
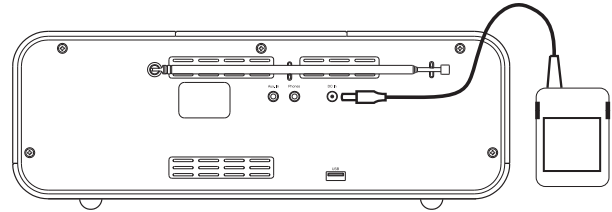
IMPORTANT: The mains adaptor is used as the means of connecting the sound system to the mains supply. The mains socket used for the sound system must remain accessible during normal use. In order to disconnect the sound system from the mains completely, the mains adaptor should be removed from the mains socket outlet completely.

Characters appearing on the LCD display indicate that the sound system is connected to and powered from the mains supply.

Operating your sound system

1. Press and release the *On/Standby* button to switch on your sound system.

   When first switched on, the sound system will be in DAB mode. After each use the sound system will remember the mode used and then switch on in that mode the next time that it is used.

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

3. If this is the first time that the radio has been used a scan of the Band III DAB channels will be carried out (depending on whether scanning was already completed in standby mode). During the scanning process the display will show the progress of the station search. The number on the right of the display is the number of stations that have been found.

4. When the scan is completed the first station (in numeric-alpha order 0...9, A...Z will be selected. The first station in the list of stations found during scanning will be played. The display will show the station name.

5. If no signals are found then it may be necessary to relocate your radio to a position giving better reception. You should then carry out a scan to find stations as described on page 11.

• Your radio has an indicator ▼ on the display to indicate the strength of the DAB radio signal being received.

**Note:** When first switched on, the radio will set the volume to a moderately high level, in case the broadcast is very quiet. After you have set the *volume*, the radio will remember the setting that you have applied for the next time that it is used.

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Selecting a station - DAB

1. Press and release the *On/Standby* button to switch on your sound system.

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. Press and release the *Tuning Up* or *Down* buttons 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 radio will select the new station.

5. Adjust the *Volume* to the required setting.

Note: If after selecting a station the station does not connect it may be necessary to relocate your sound system to a position giving better reception.
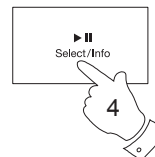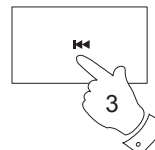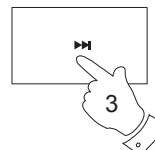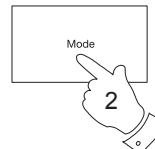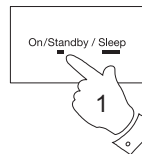
Secondary services - DAB

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 and release the *Tuning Up* button.

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.
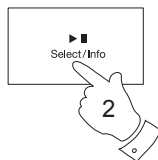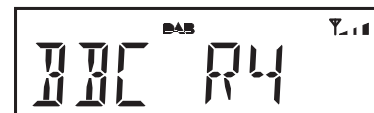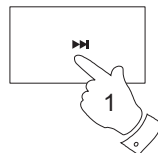
Display options - DAB

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

1. Press and release the *Info* button to cycle through the various options. All display options except the text display will revert to the clock display after about 10 seconds.

   a. Time and day   Displays the current time and day of the week.

   b. Date   Displays the current date.

   c. Station name   Displays the DAB station name being listened to.
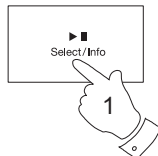
Display options DAB - cont

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

d   `JUST A M`

e. Programme type   Displays the type of station being listened to e.g. Pop, Classic, News, etc.

e   `NEWS`

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

f   `DIGITAL 1`

g. Frequency   Displays the frequency for the currently tuned DAB station.

g   `225.64MHZ`

h. Bit rate   Displays the digital audio bit rate for the currently tuned DAB station.

h   `128KBPS`

i. Signal strength   Displays the signal strength for the station being listened to. The minimum signal marker shows the minimum required signal strength for clear DAB reception.

i   `1 1 1 1`

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 and release the *On/Standby* button to switch on your sound system.

2. If needed, press and release the *Mode* button until the DAB mode is selected.

3. Press and release the *Menu* button. The DAB menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until the display shows *'SCAN'*.

5. Press and release the *Select* button. 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.
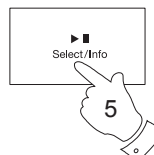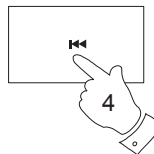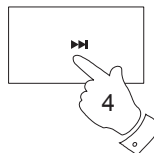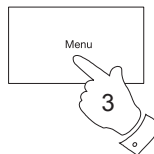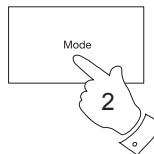
Manual tuning - DAB

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 sound system to optimise reception for a specific channel or frequency. Note that UK DAB stations are located in the range of channels 11B to 12D.

1. Press and release the *Menu* button. The DAB menu will show on the display.

2. Press and release the *Tuning Up* or *Down* buttons until the display shows *'MANUAL'*. Press and release the *Select* button to enter the manual tune mode.

3. Press and release 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.

5. If a signal is present, this will be indicated on a signal strength display. The minimum signal marker (¦) shows the minimum signal strength needed for good DAB reception. The signal indicator chevrons go up or down showing the changing signal strength as you adjust the telescopic aerial or your sound systems position. Press and release the *Select* button again to return to the normal DAB tuning mode.

Dynamic Range Control (DRC) - DAB

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

There are three levels of compression:

DRC 0   No compression applied. (default)

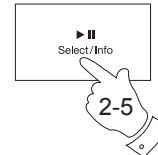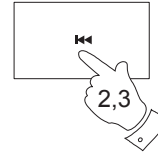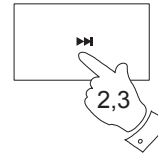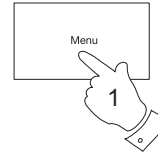DRC 1/2 Medium compression applied.

DRC 1   Maximum compression applied.

1. Press and release the *On/Standby* button to switch on your sound system.

2. Press and release the *Mode* button until the DAB mode is selected.

3. Press and release the *Menu* button. The DAB menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'DRC'* appears on the display. Press and release the *Select* button. The display will show the current DRC value.

5. Press and release the *Tuning Up* or *Down* buttons to select the required DRC setting (default is 0).

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.
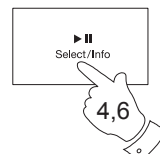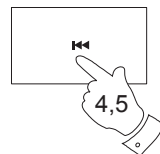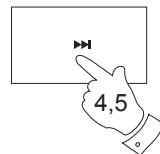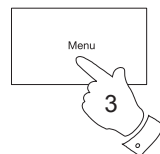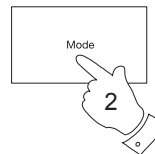
Prune stations - DAB

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 and release the *On/Standby* button to switch on your sound system.

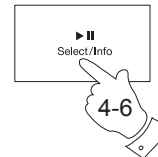2. Press and release the *Mode* button until the DAB mode is selected.

3. Press and release the *Menu* button. The DAB menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'PRUNE'* appears on the display. Press and release the *Select* button.

5. Press and release the *Tuning Up* or *Down* buttons to select *'Y'*. 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 select *'N'* 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' on page 11).
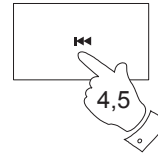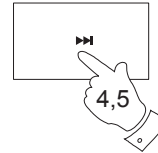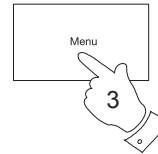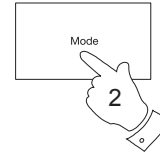
Operating your radio - FM auto-tune

1. Fully extend the telescopic aerial located on the rear of your sound system. The aerial should be fully extended and positioned vertically for optimum reception.

2. Press and release the *On/Standby* button to switch on your sound system.

3. Press and release the *Mode* button until the FM mode is selected.

4. Press and hold down the *Tuning Up* button for 2 - 3 seconds. This will 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 and hold the *Tuning Up* button as before.

7. Press and hold down the *Tuning Down* button for 2 - 3 seconds. This will cause your radio to search from high frequency to low frequency and to stop automatically when it finds a station of sufficient strength.

8. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.

9. Adjust the *Volume* to the required setting. To switch off your sound system, press and release the *On/Standby* button.
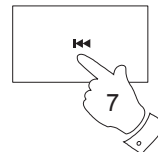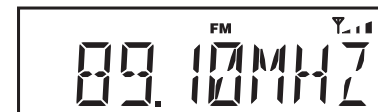
Note: If you find that FM reception is poor, try repositioning the telescopic aerial. The aerial should be fully extended and positioned vertically for optimum reception. If you find that an FM broadcast has a lot of background hiss, this may often be reduced by setting the radio into Mono reception mode for the current FM station. Please refer to the section 'Stereo / Mono setting - FM' on page 19 for further details.

Manual tuning - FM

1. Fully extend the telescopic aerial located on the rear of your sound system. The aerial should be fully extended and positioned vertically for optimum reception.
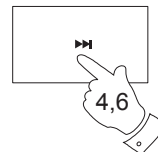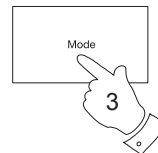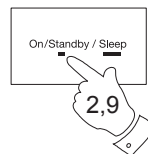
2. Press and release the *On/Standby* button to switch on your sound system.

3. Press and release the *Mode* button until the FM mode is selected.

4. Press and release the *Tuning Up* or *Down* buttons to tune to a station. The frequency will change in steps of 50kHz.
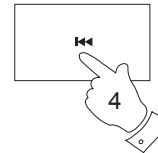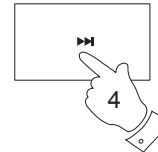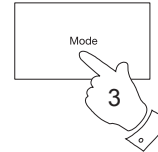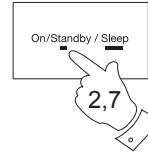
   If the radio is tuned to a station of sufficient signal strength with RDS information present, then the display may change to show the station name.

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 sound system press and release the *On/Standby* button.
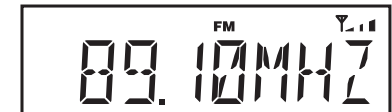
Note: If you find that FM reception is poor, try repositioning the telescopic aerial. The aerial should be fully extended and positioned vertically for optimum reception. If you find that an FM broadcast has a lot of background hiss, this may often be reduced by setting the radio into Mono reception mode for the current FM station. Please refer to the section 'Stereo / Mono setting - FM' on page 19 for further details.

On/Standby / Sleep

2,7

Mode

3

▶▶|

4

|◀◀

4

FM

FM

F M

FM

87.50MHZ

FM

89.10MHZ

FM

BBC R2

Display options - FM

Your sound system has a range of display options for the 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.
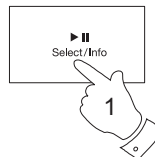
1. Press and release the *Info* button to cycle through the various options. All display options except the text display will revert to the clock display after about 10 seconds.

    a. Time and day   Displays the current time and day.

    b. Date   Displays current date.

    c. Station name   Displays the name of the radio station being listened to.

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

    e. Programme type   Displays type of station being listened to e.g. Pop, Classic, News, etc.

    f. Frequency   Displays the FM frequency of the station being listened to.

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

a   `12:38 TU` FM

b   `24-04- 13` FM

c   `BBC R2` FM

d   `JUST A M` FM

e   `NEWS` FM

f   `07.50MHZ` FM

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Scan sensitivity setting - FM

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

1. Press and release the *On/Standby* button to switch on your sound system.

2. Press and release the *Mode* button until the FM mode is selected.

3. Press and release the *Menu* button. The FM menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'SCAN'* shows on the display. Press and release the *Select* button.

5. Press and release the *Tuning Up* or *Down* buttons to switch between 'LOCAL' and 'DISTANT' options on 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 sound system will then revert to the normal information display. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

Note: The initial setting (out of the box, or after a System Reset) causes the radio to ignore weaker (or more distant) signals.
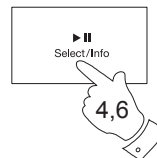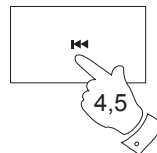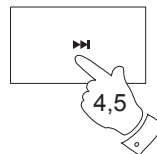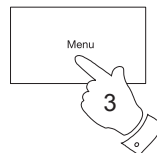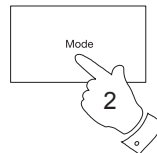
Stereo / Mono setting - FM

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 sound system to play the station in mono in order to reduce the level of background hiss.

1. Press and release the *On/Standby* button to switch on your sound system.

2. Press and release the *Mode* button until the FM mode is selected.

3. Press and release the *Menu* button. The FM menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'AUDIO'* shows on the display. Press and release the *select* button.

5. To switch to mono to reduce the hiss from a weak FM signal, press and release the *Tuning Up* or *Down* buttons until *'MONO'* appears on the display. Press and release the *Select* button to confirm the setting.

6. If you wish to return to the stereo mode while listening to the currently tuned radio station follows steps 1 to 4 above. Press and release the *Tuning Up* or *Down* buttons until *'STEREO'* shows on the display. Press and release the *Select* button to confirm the setting. The radio will play the current station in stereo if the signal is sufficiently strong.
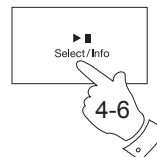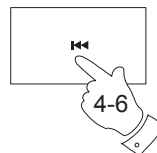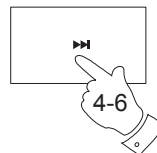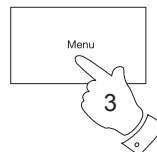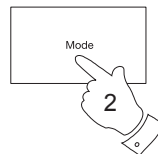
Presetting stations

You may store your preferred DAB and FM radio stations to the preset station memories. There are 20 memory presets in your sound system, 10 for DAB and 10 for FM. Presets are remembered by your sound system 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.

1. Press and release the *On/Standby* button to switch on the sound system.

2. Press and release the *Mode* button to select either the FM or DAB mode.

3. Tune to the required station as previously described.

4. Press and release the *Preset* button. The display will show, for example, *'Empty 1'* if no station has been stored to that preset.

5. Press and release the *Tuning Up* or *Down* buttons to select the desired preset station number under which you wish to store the station.

6. Press and hold the *Select* button. The display shows, for example, *'STORED'*. The station will be stored under the chosen preset. Repeat this procedure for the remaining presets.

7. Stations which have been stored in preset memories may be overwritten by following the above procedure.
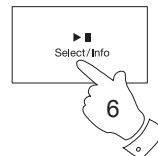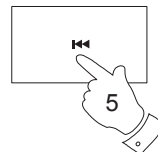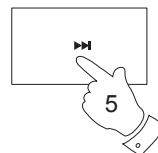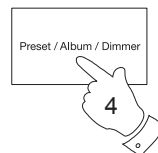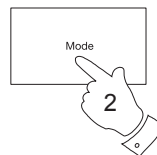
Recalling a preset station

1. Press and release the *On/Standby* button to switch on the sound system.

2. Press and release the *Mode* button to select either the FM or DAB mode.

3. Press and release the *Preset* button. The display will show, for example, *'Empty 1'* if no station has been stored to that preset. If a preset has been stored, then the display will show either the station name (for DAB stations) or the frequency (for FM stations).

4. Press and release the *Tuning Up* or *Down* buttons to select the desired preset station.

5. Press and release the *Select* button. Your radio will tune to the chosen preset station stored in the preset memory.

Mode

2

Preset / Album / Dimmer

3

▶▶|

4

|◀◀

4

▶ ■
Select / Info

5

FM

`87.50 P1`

FM

`BBC R2`
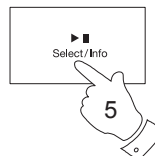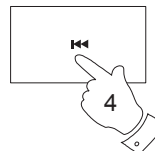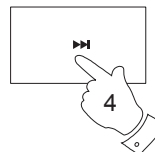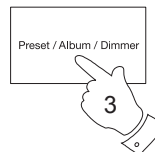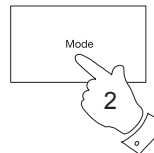
Bluetooth mode

The Bluetooth mode on your sound system allows you to play audio, play sound from video files and stream music from Bluetooth capable devices such as your moblie phone, computer, tablet etc. through your sound system's loudspeakers.

'Bluetooth pairing' occurs when two Bluetooth enabled devices agree to establish a connection and communicate with each other.

When a Bluetooth enabled device such as your Blutune 60 sound system is in a 'discoverable' state other Bluetooth devices can detect, pair with or connect to it.

Your sound system will flash its Bluetooth indicator light when it is discoverable or when it is trying to connect to a previously paired Bluetooth device. When a device is paired with and connects to your sound system, the Bluetooth indicator light on the sound system will remain lit.

Bluetooth connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your sound system. All features may not be supported on some paired Bluetooth devices.

A Bluetooth connection can provide a link for audio up to a distance of approximately ten metres. When pairing two Bluetooth enabled devices, for convenience, we recommend they should be no more than 2 to 3 metres apart. The presence of other functioning Bluetooth devices during connection may lead to operational difficulties. Bluetooth is a short-range radio communication system and generally Bluetooth devices can communicate with each other clearly within a regular sized room or office. The reliability of a Bluetooth connection between different rooms will greatly depend upon the construction of the room and walls etc. Bluetooth communication range may be substantially reduced if the signal passes through a solid object.

Human bodies, brick and concrete walls, heavy furniture or bookcases will all reduce the operational range of your Bluetooth devices to a greater or lesser extent. Glass, dry-wall or wood paneled walls and office partitions may have a less severe but noticeable effect. Metal pipes, foil-lined plasterboard, metal window frames and domestic wiring can also have an effect. You should position your Bluetooth devices closer to each other if you observe communication difficulties.

WiFi networks and cordless phones generally use similar radio frequencies to Bluetooth and may interfere with one another. If any interference is noticed, then try relocating the sound system or one of the other devices.

Some Bluetooth devices may require a 'Passkey' (an authentication key) in order to establish a link between devices. A passkey is similar to a password, although you only need to use the passkey once to establish a link. If your device asks for a passkey to be able to pair with your radio then enter a code of 0000 (four zeroes).

The Bluetooth capabilities of your sound system enable it to receive audio from many Bluetooth capable devices including mobile phones, personal computers and tablets. Only one Bluetooth device can be connected to your sound system at a time. It supports the following Bluetooth profiles and functionality.

Your sound system supports A2DP (Advanced Audio Distribution Profile) which is a stereo audio connection that streams stereo music from PCs, mobile phones etc,

Your sound system supports AVRCP (Audio Video Remote Control Profile) which allows your radio to control music playback from the connected device.

Note: Some mobile phones may temporarily disconnect from your sound system when you make or receive calls. Some devices may temporarily mute their Bluetooth audio streaming when they receive text messages, emails or for other reasons unrelated to audio streaming. Such behaviour is a function of the connected device and does not indicate a fault with your sound system.

Connecting Bluetooth devices

1. Ensure that the Bluetooth capability on your phone, tablet or PC is enabled. You may need to refer to the user documentation for your device, since the method will vary with each device.

2. Press and release the *On/Standby* button to switch on the sound system.

3. Repeatedly, press and release the *Mode* button on your sound system until the Bluetooth mode is selected. Your sound system will show that it is 'discoverable' by flashing the *Bluetooth indicator* on the display.

4. Using the Bluetooth settings of your phone, tablet or PC direct it to search for 'discoverable' devices. After a few seconds, you should see a device named *'Blutune 60'*.

5. Select *'Blutune 60'* to cause your phone, tablet or PC to pair with your sound system and to establish a connection.

6. Once the connection is established, the *Bluetooth indicator* on the radio display will remain lit. You can now begin playing music from your phone etc.

Some Bluetooth devices may require a 'Passkey' (an authentication key) in order to establish a link between devices. A passkey is similar to a password, although you only need to use the passkey once to establish a link. If your device asks for a passkey to be able to pair with your radio then enter a code of 0000 (four zeroes).
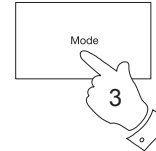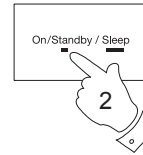
Playing audio files in Bluetooth mode

When you have successfully connected your sound system 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* buttons on your sound system or your enabled bluetooth device.

2. Provided that your phone, tablet or PC allows volume control when using Bluetooth we recommend that for normal Bluetooth listening the sound system's volume control is set to a high level. This will permit the audio volume to be controlled using the connected Bluetooth device. This will generally be the more convenient method of controlling the volume. However, if you are using headphones plugged into your sound system, we strongly recommend that the sound system's volume control is used as the means of adjusting the audio volume. You will then need to set the volume on the connected Bluetooth device to a higher level. The purpose here is to prevent unexpectedly loud noises in the headphones, when changing sound system in the radio or when switching on and off.

3. The audio player in your phone, tablet or PC may be able to respond to the *Play/Pause*, *Next* track and *Previous* track buttons on the sound system.

   Note: That not all player applications or devices may respond to all of these buttons.

   Note: If the unit is in the Bluetooth mode and it is not connected to a Bluetooth device for more than 15 minutes it will automatically switch to the standby mode. The display will revert to showing the standby mode clock. To use the radio again, simply press the On/Standby button to switch it on.

Volume Up

1

Volume Down

1

►▪
Select/Info

3

►►▎

3

▎◄◄

3

12:38 TU
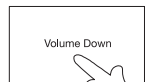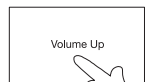
Disconnecting a Bluetooth device

You can only have one Bluetooth device connected to the sound system at any one time although it may be paired with several devices.

Once you have a Bluetooth enabled device connected to your sound system it cannot be interrupted by another Bluetooth device unless you choose to break the connection.

1. To force a disconnection, press and release the *Menu* button on the sound system. 'PAIRING' will flash on the radio's display

2. Press and release the *Select* button. The radio will sound a double beep provided that your radio's volume is set to a suitable listening level.

3. The radio will disconnect device and then will become 'discoverable' for a period of approximately 60 seconds. The *Bluetooth indicator* will flash on the screen. You may then pair your sound system with a new device. Some Bluetooth devices will automatically connect while others may need you to confirm the connection. If no new connection is made, then the sound system will attempt to reconnect to the previously connected device.

4. If you no longer want your Bluetooth device to be paired with your sound system you will need to delete the relevent pairing on the device. Please refer to the Bluetooth documentation for your phone, tablet, PC etc. for details of how to cancel current pairings.
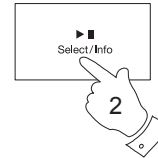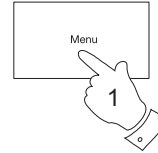
Compact discs

Use only Digital Audio CDs which have the [COMPACT disc DIGITAL AUDIO] symbol.

Use only full size CDs (12cm diameter) with the sound system. Mini CDs (8cm diameter) are not compatible with the player and may jam the CD mechanism.

Transparent or partly transparent CDs cannot be played since they may not be detected when inserted. Unusually thin (Eco) CDs cannot be played. Some copy-protected CDs may not be playable.

Never write on a CD or attach any sticker to the CD. Always hold the CD at the edge and store it in its box after use with the label facing up.

To remove dust and dirt, breathe on the CD and wipe it with a soft, lint free cloth in a straight line from the centre towards the edge.

Cleaning agents may damage the CD.

Do not expose the CD to rain, moisture, sand or to excessive heat. (e.g. from heating equipment or in motor cars parked in the sun).

Note: If the sound system is in CD mode but not playing for more than 15 minutes then it will automatically switch to the standby mode. The display will revert to showing the standby mode clock. To use the sound system again press the On/Standby button to switch it on.
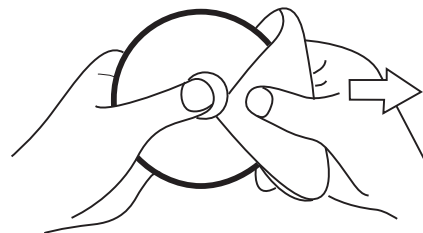
CD-R / CD-RW discs

Your Blutune 60 can play CD-DA format audio CD-R/CD-RW discs that have been finalised* upon completion of recording.

*Finalising enables a CD-R/CD-RW disc to playback on audio players such as your Blutune 60. A disc which has not been finalised may have information added to it using a computer but may not always be playable. You may have to specifically enable the finalising step with some CD writing software.

Your Blutune 60 may fail to play some CD-R/CD-RW discs due to poor recording and wide variation in quality of the CD-R/CD-RW disc.

MP3 / WMA CD Mode

The Blutune 60 is able to play CD-R and CD-RW discs containing MP3 and WMA files. It is recommended that if large numbers of files are held on a CD that they are arranged in folders, either by artist, album or some other criteria. This will make it easier to find particular files when needed. Multiple levels of folders can be used (up to eight deep). This user guide refers to albums and tracks when making music selections. Tracks are equivalent to files on the disc and albums are equivalent to folders.

An MP3 / WMA CD should not contain more than 999 files and not more than 99 folders. MP3 and WMA files should be created with an audio sample rate of 44.1kHz (this is normal for files created from CD audio content). MP3 and WMA data rates up to 320 kilobits per second are supported. WMA Lossless, WMA Voice, WMA 10 Professional and files which have DRM protection are not supported.

When burning CD-R and CD-RW discs with audio files, various problems may arise which could lead to problems with playback. Typically such problems are caused by poor CD writing or audio encoding software, or by the hardware settings of the PC's CD writer, or by the CD being used. Should such problems arise, contact the customer services of your CD writer or software manufacturer or look in their product documentation for relevant information. When you are making audio CDs, take care to observe all legal requirements and ensure that the copyright of third parties is not infringed.

If there are many files or folders on the CD then it may take some tens of seconds to read all of the file and folder names and to identify those which are playable (with .mp3 or .wma filename extension).
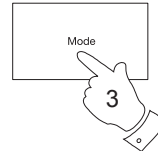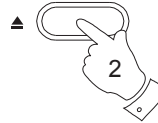
Inserting a CD

Ensure the CD player is empty before inserting a disc. If there is a disc in the player then the CD loaded indicator will show on the display. If you cannot insert a disc, press the **CD Eject** button to remove the CD currently in the player.

1. Insert a disc with printed side facing up into the CD slot. The disc will be loaded automatically. The unit will check the CD type and load its track list. The display will show *'READING'* as the information is read.

   Audio CD: The total number of tracks will then be displayed.

   MP3/WMA CD: The total number of files and albums will then be displayed.

2. To eject a CD press and release the **CD Eject** button. To reload a CD that has just been ejected, press the **Eject** button a second time.

3. To select the CD mode press the **Mode** button until *'CD'* shows on the the display.
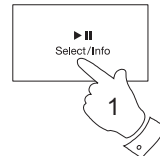
Playing a CD

1. The CD will play automatically 10 seconds after the CD has been inserted. Alternatively, press the **Play/Pause** button to start playing the disc.

   Audio CD: The display will show the current track number and the elapsed playing time.
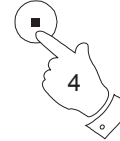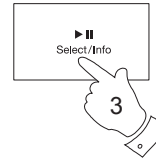
   MP3/WMA CD: The display will show the current file number and the elapsed playing time.

2. Adjust the **Volume** to the required setting.

Playing a CD cont.

3. To pause playing press the *Play/Pause* button. The pause symbol will show on the display. To resume playback press the *Play/Pause* button again.

4. To stop playback, press the *Stop* button (on the remote control) twice.

Selecting a track

Audio CD:

1. While the CD is playing, press and release either the *Next* or *Previous* buttons to change to the desired track. The updated track number is shown in the display.

2. You can also skip tracks when the player is paused or stopped.

3. If needed, press and release the *Play/Pause* button to play the selected track.
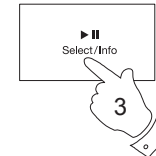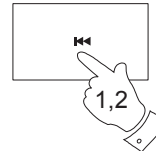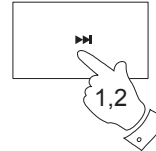
Selecting a track cont.

MP3/WMA CD:

1. While the CD is playing, paused or stopped, press and release the *Album* button. 'ALBUM' will flash on the display. The Album indicator will flash for approximately 5 seconds.

2. Whilst 'ALBUM' is flashing on the display, press and release either the *Next* or *Previous* buttons to choose the desired album. Whenever a new album is selected, the track number is set to 1.

3. If you wish to play from a selected track other than the first in the newly selected album, then press the *Album* button once more. The Album indicator will be cancelled. Then press either the *Next* or *Previous* buttons to change to the desired track. The updated track number is shown on the display.

4. You can also skip albums or tracks when the player is paused or stopped.

5. Press and release the *Play/Pause* to start playing from the selected album or track.

   Note: Album selections cannot be made if the player is paused during playback of a previously entered program (see page 34).

Preset / Album / Dimmer

1,3

A01 T002

CD ▶   ALBUM

▶▶|

2-4

A02 T001
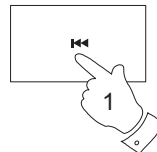
CD ▶

|◀◀

2-4

▶ II
Select/Info

5
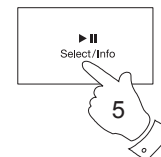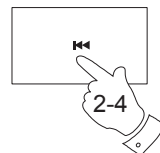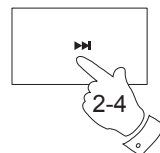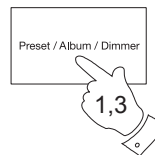
Search function

1. While the CD is playing, press and hold the **Next** or **Previous** buttons. Release the button when the desired part of the track is reached.
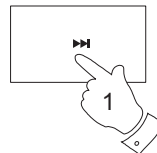
Repeat tracks

1. Whilst the CD is playing, press and release the **Repeat** button (on the remote control) until the desired repeat option shows on the display.

   Audio CD:

   Repeat 1 ↻1 - The current track (a single track) will be repeated.
   Repeat ALL **All↻** - All tracks on the CD will be played repeatedly

   MP3 / WMA CD:

   Repeat 1 ↻1 - The current track (a single track) will be repeated.
   Repeat Album ↻**ALBUM** - All tracks in the current album will be played repeatedly.
   Repeat ALL **All↻** - All tracks on the CD will be played repeatedly.

2. To exit the repeat options press and release the **Repeat** button until the repeat indicators are no longer shown on the display.

   Selecting a repeat option will cancel the shuffle setting if previously applied.

Shuffle tracks

1. Whilst the CD is playing, press and release the **Random** button (on the remote control) to play all tracks on the CD in random order.

2. *'RANDOM'* will appear on the display. The tracks will be played in random order until all the tracks have been played.

3. To exit the random option press and release the **Random** button again. The random indicator will no longer be shown on the display.

   Selecting the shuffle option will cancel the repeat setting if previously applied.

Play tracks introduction

1. While the CD is in stop mode, press and release the **Repeat/Intro** button (on the remote control). The track introduction symbol *'INTRO'* appears in the display.

2. The first 10 seconds of each track will be played.

CD Bookmark

The CD Bookmark feature allows you to stop the playback of a CD and then to continue playback from the same point at a later time. Even if you put the sound system into standby mode or change the mode, the next CD play operation will start from the point where playback was previously stopped.

Note: If the mains power is removed and restored the Bookmark setting may be cancelled and the CD will then play from the beginning.

1. When the CD is playing, press the **Stop** button (on the remote) once. The display will then show 'RESUME'. You can then put the radio into standby or select an alternative mode.

2. To resume playback, return to the CD mode and press the **Play/Pause** button.

3. If you wish to cancel the Bookmark function, either press the **Stop** button a second time or simply take out the CD.

4. To take out the CD, press the **CD Eject** button. The display will show 'EJECT'. In order to protect the disc if it is not removed, the unit will reload the CD after 10 seconds.

Note: The Stop button must be pressed a second time to clear the bookmark function.
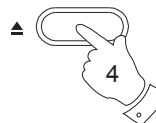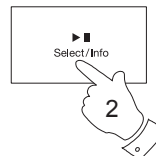
CD track programming

In addition to playing of complete CDs, selected tracks, or a random selection, the CD player allows you to program a sequence of up to 20 tracks for audio CDs and 60 for MP3/WMA CDs to be played in what ever order you choose.

1. With the unit in CD mode and with a CD inserted, make sure that the CD is in the stop mode.

2. To enter the programming mode, press and release the *Program* button (on the remote control). *'PROGRAM' and 'P01'* will flash on the display.

3. Choose the first track using the *Next* or *Previous* buttons.

   If you wish to choose a track from a particular album on a MP3 or WMA CD, press and release the *Album* button. Then use the *Next* or *Previous* buttons to choose the desired album on the CD. Press and release the *Album* button again to allow the track number within the album to be chosen, again using the *Next* or *Previous* buttons.

4. Press and release the *Program* button to enter the selected track into the program.

5. Choose another track using the *Next* or *Previous* buttons and enter it into the program using the *Program* button (track 6 in example shown).

6. Repeat step 5 to store as many as 20 tracks for audio CDs and 60 tracks for MP3/WMA CDs in the program.

7. When the programme is complete, press and release the *Play/Pause* button to start playing. The tracks will then be played in the order that you have just programmed.
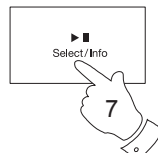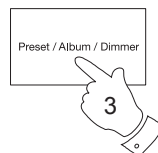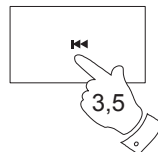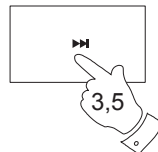
Playing back the programmed tracks

1. If the Stop button on the remote control is pressed while playing back the program then the CD will stop. The display will show *'RESUME'*.

2. Press and release the **Play/Pause** button to resume playback of the program.
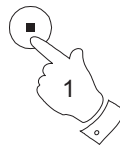
Editing the program

1. While playback is stopped you may press the **Program** button (on the remote control) to step through the currently entered program.

2. You may change the number of a previously entered track by using the **Next** or **Previous** buttons followed by the **Program** button to store the new entry in the program.

   As with program entry, the **Album** button may be used to allow the album number to be selected (see the proceding page).

3. If you press the **Stop** button before pressing the **Play/Pause** button then the previously entered program will be erased.
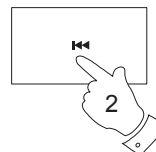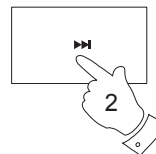
Erasing the entered program

1. With the CD in the stop mode, press and release the **Program** button followed by the **Stop** button (on the remote control). Any program stored will be erased.
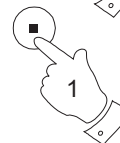
Display options - Audio CD

Your sound system has several display options when in audio CD mode:-

1. Press and hold the *Info* button. The display will either show the current track information or the total tracks on the CD.

Display options - MP3 / WMA CD

Your sound system has several display options when in MP3 / WMA CD mode:-

1. Press and hold the *Info* button.

2. Each press and hold of the Info button steps through the options.
   - Album and track number (displayed for 10 seconds only)
   - a cyclic display of Title, Artist, Album (taken from ID3 tags in the files)
   - Title
   - Album
   - Folder (long folder names will be truncated to 8 characters)
   - File (long file names will be shown in an 8.3 character format)

At the end of the current track the display reverts to showing the clock.

Using USB memory devices

This section describes how to use your sound system to access and playback your audio files via USB memory devices.

Important: Your sound system is only designed to work with USB memory flash memory devices. It is not intended to be connected to hard disk drives or any other type of USB device.

The Blutune 60 has been tested with a range of USB memory devices of up to 32GB capacity. Memory must use the FAT or FAT 32 filing system in order to operate in the Blutune 60.

Audio formats supported for playback are MP3 and WMA. Playback does not support files encoded using WMA lossless, WMA Voice, WMA 10 professional, nor files of any format which have DRM protection.

1. The USB slot is located on the rear of your sound system.

A USB memory with MP3 or WMA files should not contain more than 999 files and not more than 99 folders. MP3 and WMA files should be created with an audio sample rate of 44.1kHz (this is normal for files created from CD audio content). MP3 and WMA data rates up to 320 kilobits per second are supported. WMA Lossless, WMA Voice, WMA 10 Professional and files which have DRM protection are not supported.

Note: If the sound system is in USB mode but not playing for more than 15 minutes then it will automatically switch to the standby mode. The display will revert to showing the standby mode clock. To use the sound system again press the On/Standby button to switch it on.
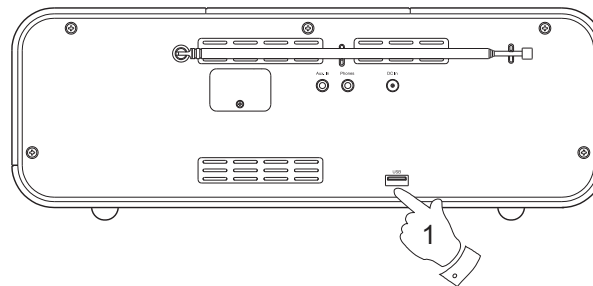
Cautions:

In order to minimise the risk of damage to your sound system, or your USB memory device, please place the unit such that the device cannot easily be knocked while it is inserted in the socket.

Remove the USB memory before carrying the unit or if not using the USB feature for a prolonged period.

Place the unit in Standby mode before removing the USB memory device.

Inserting and removing memory devices

1. USB memory devices plug into the rectangular slot on the rear of your sound system.

2. To select the USB mode, press and release the **Mode** button until the USB mode is shown on the display. If you do not have a USB memory device inserted in the socket the display will show 'NO USB'.
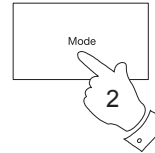
Playing MP3 / WMA files - USB

Your sound system uses the same controls and offers the same options for USB playback as it does for CDs with MP3 and WMA files, including track and album searching, repeat, shuffle, intro, bookmark, and track programming. Therefore we refer to the CD playback section on pages 28 - 36 for full details of how to play the files on a USB memory device. Simply plug in the USB memory containing your MP3 or WMA files and select USB mode as described above, then either press the Play/Pause button to play from the beginning or use the CD instructions to choose particular tracks and albums.

Setting alarm times

Your sound system has two alarms which can be set to wake you to DAB, FM radio, CD, USB or beep type alarm. Each alarm can be set to sound once, daily, on weekdays or at weekends.

The alarms may be set while the unit is in standby mode or while playing.

**Note:** If no buttons are pressed for 12 seconds, your radio will exit the alarm setup.

1. Press and hold the **Alarm** button. '*Alarm 1' will be displayed.*

2. Press and release the **Tuning Up** or **Down** buttons to choose either alarm 1 or alarm 2.

3. Press and release the **Select** button to enter the alarm setting menu.

4. Press and release the **Tuning Up** or **Down** buttons to select ON or OFF. If OFF is selected any current setting for that alarm will be cancelled.

5. With '*ON*' selected press and release the **Select** button to cause the alarm hour digits to flash on the display.

6. Press and release the **Tuning Up** or **Down** buttons to choose the desired alarm hour.

7. Press and release the **Select** button to enter the hour setting. The alarm minute digits will flash on the display.
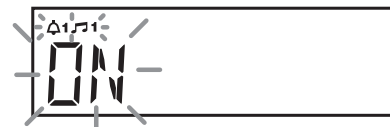
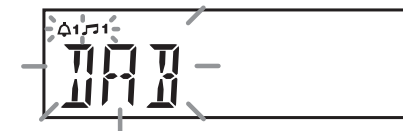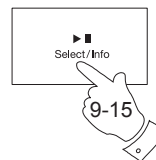8. Press and release the *Tuning Up* or *Down* buttons to choose the desired alarm minute.
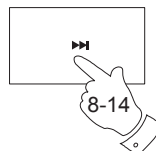
9. Press and release the *Select* button to enter the minutes setting. The alarm day option will flash on the display.
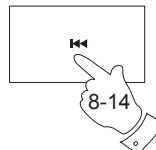
10. Press and release the *Tuning Up* or *Down* buttons to choose the desired alarm day option:

Once	- Will sound at one time only
Weekends	- Will sound only on weekends
Weekdays	- Will sound only on weekdays
Daily	- Will sound everyday

11. Press and release the *Select* button to enter the setting. The alarm source option will flash on the display.

12. Press and release the *Tuning Up* or *Down* buttons to choose the desired alarm source (DAB, FM, CD, USB or BUZZER).

13. Press and release the *Select* button. The volume setting will show on the display.

14. Press and release the *Tuning Up* or *Down* buttons to choose the desired alarm volume. The sound system uses the saved volume settings for each radio alarm when it sounds.

15. Press and release the *Select* button to confirm the alarm settings. *'SAVED'* will show on the display before exiting the alarm setup.

Radio alarms are indicated in the display by the ♫ symbol and the corresponding alarm number. Buzzer alarms are indicated by the ⌂ symbol and the corresponding alarm number.

8-14

8-14

▶■ Select/Info

9-15

6:30

ONCE

DAI

VOL 9

SAVED

6:30 TU
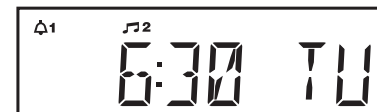
When the alarm sounds

The alarm will sound at the selected times for up to 60 minutes unless cancelled. The maximum volume used for the radio alarm will be specified during the alarm setting procedure.

When your sound system is set to wake by the radio alarm, your radio will switch to the selected radio station. If the radio cannot connect to the specified radio station, the buzzer will be used instead.

Note: If the radio is switched on because of a radio alarm you can control basic functions such as the volume control.

When the buzzer alarm activates it will start softly and gradually increase in level.

The alarm icon will flash on the screen and the sound system will automatically switch back to standby mode when the 60 minutes have elapsed.

Note: If using CD or USB as the source for the alarm, please ensure that suitable media is inserted in the sound system. If no CD or USB is detected the buzzer will be used instead.

Cancelling alarms

1. While an alarm is sounding press and release the *On/Standby* button to cancel the alarm.

Snooze function

1. When the radio or buzzer alarm sounds, press and release the *Snooze* button. This will silence the alarm for 5 minutes.

   When the Snooze button has been pressed during an alarm, the display will show the Snooze symbol z^{zz}. This sequence can be repeated during the 60 minute alarm period.

2. To cancel the Snooze function, press and release the *On/Standby* button.
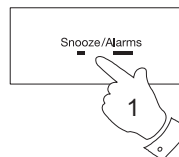
Disable alarms

1. Press and hold the **Alarm** button. *'Alarm 1' will be displayed.*

2. Press and release the **Tuning Up** or **Down** buttons to choose either alarm 1 or alarm 2.

3. Press and release the **Select** button to enter the alarm setting menu.

4. Press and release the **Tuning Up** or **Down** buttons to select OFF.

5. Press and release the **Select** button to disable the alarm.
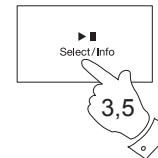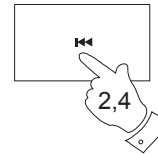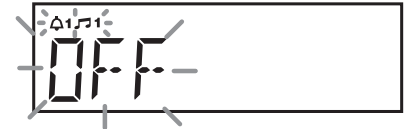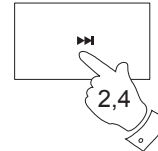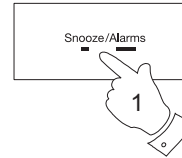
To view the alarm settings

1. Press and hold the **Alarm** button. *'Alarm 1' will be displayed.*

2. Press and release the **Tuning Up** or **Down** buttons to choose either alarm 1 or alarm 2.

3. Repeatedly, press and release the **Select** buton to cycle through each of the settings for the chosen alarm.

   You may use the Tuning Up or Down buttons to modify any particular setting if desired, using the Select button to enter the modification.
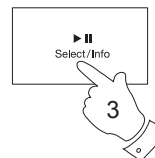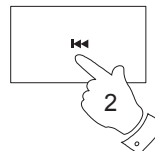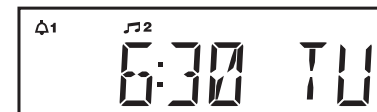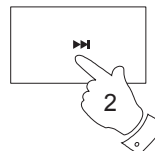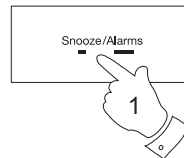
Sleep function

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

1. When using your sound system, press and hold the **Sleep** button and then release the button. The sleep symbol will show on the display.

2. Press and release the **Tuning Up** or **Down** buttons to select the desired sleep time. The sleep setting will increase in increments from 15 minutes up to 90 minutes. A further increment will cause the sleep timer to be set to OFF which will cancel the sleep function.

3. Press and release the **Select** button. The display will exit the sleep options.

4. Your radio will switch off after the preset sleep time has elapsed.

5. To view the remaining sleep time, press and hold the **Sleep** button and then release the button. The remaining sleep time will show on the display.

6. To cancel the sleep timer and switch off your sound system before the chosen sleep time has elapsed, press and release the **On/Standby** button.

    To cancel the sleep timer without switching off your sound system, set the sleep timer to the OFF setting.
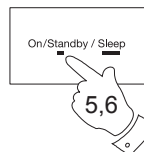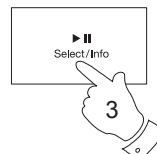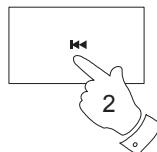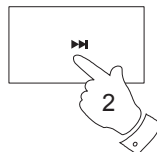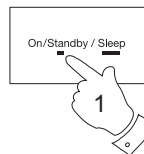
Setting the clock manually

Normally your sound system will set its clock automatically using the DAB radio signal. If no DAB signal is available and you need to set the time manually, please follow the procedure shown below.

1. Press and release the *On/Standby* button to switch off the sound system.

2. To set the clock time, press and hold the *Menu* button and then release the button. The hour digits will then flash on the display.

3. Press and release the *Tuning Up* or *Down* buttons to set the desired hour.

4. Press and release the *Select* button to enter the hour setting.

5. The minute digits will then flash on the display. Press and release the *Tuning Up* or *Down* buttons to set the desired minute.

6. Press and release the *Select* button to enter the minute setting. The day of the week will flash on the display.

7. Press and release the *Tuning Up* or *Down* buttons to set the day.

8. Press and release the *Select* button to enter the day setting. The update option for the clock will then flash on the display. You can choose to automatically update the clock or you can choose no update.

9. Press and release the *Tuning Up* or *Down* buttons choose *'UPDATE Y' (Yes) or 'UPDATE N' (No)*. Press the Select button to confirm the clock settings.

On/Standby / Sleep

1

Menu

2

▶▶▮

3-9

▮◀◀

3-9

▶▮▮
Select/Info

4-8
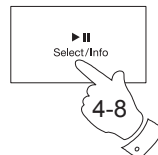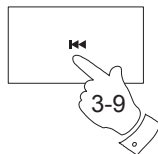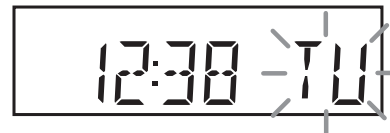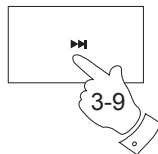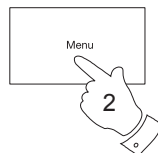
Clock display

1. The clock display on your sound system has a 24 hour clock format.

```
12:38  TU
```

Display backlight dimmer

When using the remote control the brightness of the display can be adjusted when the radio is in standby or when the unit is in use.

When using the sound system the dimmer can only be adjusted when the unit is in standby.

1. In order to adapt the intensity of the display to suit the ambient room lighting when the unit is in the standby mode or when playing, press and release the *Dimmer* button to select the dimmer brightness from High-Medium-Low and an almost off 'night-time' setting.

• When the radio is in standby mode, pressing a button (other than the dimmer button) will cause the radio to switch to a higher brightness level for a few seconds. This is so that if the standby brightness level is set to the almost off 'night time' setting, it is possible to see the time.
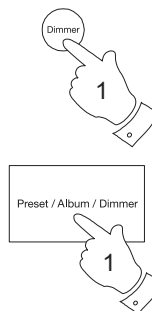
Mute function

When playing your sound system, the mute button (on the remote control) will mute the output from the loudspeakers.
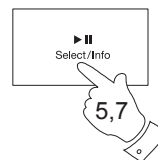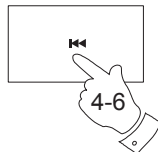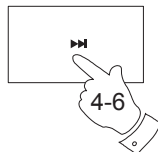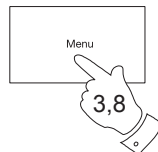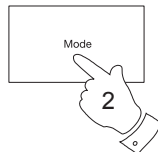
1. Press and release the *Mute* button to mute the sound output.

2. Press and release the *Mute* button again or one of the volume buttons to un-mute the sound output.

Software version

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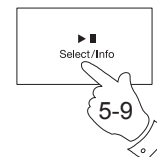Ensure your radio is switched on.

1. Press and release the **On/Standby** button to switch on your sound
    system.

2. Press and release the **Mode** button until the DAB or FM mode is
    selected.

3. Press and release the **Menu** button. The DAB or FM menu will show
    on the display.

4. Press and release the **Tuning Up** or **Down** buttons until *'SYSTEM'*
    shows on the display.

5. Press and release the **Select** button.

6. Press and release the **Tuning Up** or **Down** buttons until *'SW VER'*
    shows on the display.

7. Press and release the **Select** button. The display shows the software
    information.

8. Press and release the **Menu** button to exit the software display.

Language function

Your sound system can be configured to a different language for the DAB and FM modes.
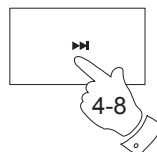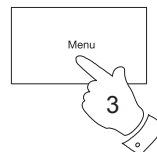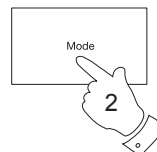
1. Press and release the *On/Standby* button to switch on your sound system.

2. Press and release the *Mode* button until the DAB or FM mode is selected.

3. Press and release the *Menu* button. The DAB or FM menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'SYSTEM'* shows on the display.

5. Press and release the *Select* button.

6. Press and release the *Tuning Up* or *Down* buttons until *'LANGUAGE'* appears on the display.

7. Press and release the *Select* button to enter the language adjustment menu.

8. Press and release the *Tuning Up* or *Down* buttons until your desired language appears on the display.

9. Press and release the *Select* button to confirm your choice. When in the DAB or FM modes the display will change to the chosen language.
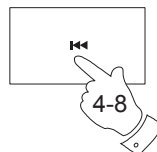
System reset

If your sound system fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.
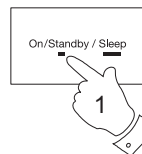
1. Press and release the *On/Standby* button to switch on the sound system.

2. Press and release the *Mode* button until the DAB or FM mode is selected.

3. Press and release the *Menu* button. The DAB or FM menu will show on the display.

4. Press and release the *Tuning Up* or *Down* buttons until *'SYSTEM'* shows on the display. Press and release the *Select* button.

5. Press and release the *Tuning Up* or *Down* buttons until *'RESET'* shows on the display. Press and release the *Select* button.

6. Press and release the *Tuning Up* or *Down* buttons until *'Y'* appears on the display. If you do not wish to carry out a system reset, highlight *'N'* and then press and release the *Select* button. The display will revert to the previous display.

7. With *'Y'* displayed, 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 settings will be set to their default values.

8. See 'Operating your radio' on page 7 for further details.

In the event of a malfunction due to electrostatic discharge, mains power supply transients or short interruptions, reset the product as above to resume normal operation. If you are not able to perform the reset operation as above, removal and reconnection of the power supply may be required.
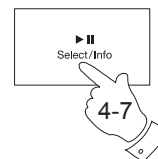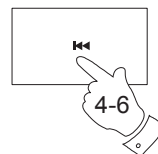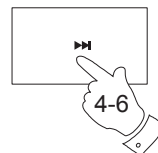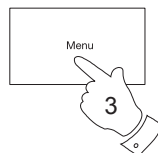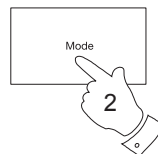
Headphone socket

A 3.5mm *Headphone Socket* located on the rear of your sound system is provided for use with either headphones or an earpiece. 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.

To prevent possible hearing damage, do not listen at high volume levels for long periods.
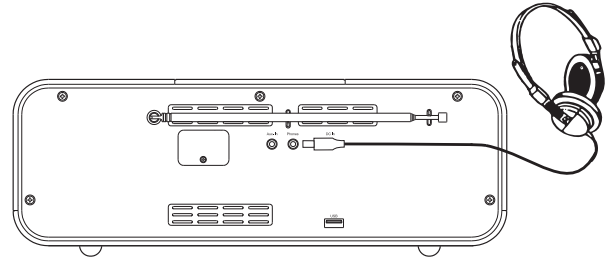
Auxiliary input socket

1. Connect a stereo or mono audio source (i.e. CD player, MP3 player, etc.) to the **Auxiliary input** socket.

2. Press and release the **On/Standby** button to switch on the sound system.

3. Press and release the **Mode** button until the display shows *'AUX IN'*.

4. Adjust the **Volume** on your player and on the sound system for comfortable listening.

5. Remove the cable from the **Auxiliary input** socket or press and release the **Mode** button to cancel Auxiliary Input mode.

Note: If the sound system is in Auxiliary input mode with no input signal being applied for more than 15 minutes then it will automatically switch to the standby mode. The display will revert to showing the standby mode clock. To use the sound system again, simply press the On/Standby button to switch it on.
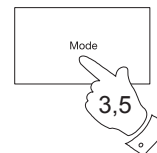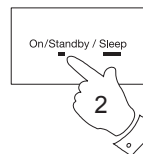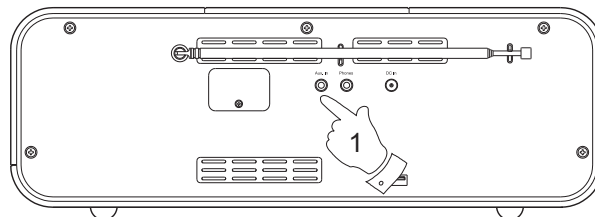
USB socket for iPhone or smartphone charging

Your sound system has a USB socket which can be used for charging an iPhone or smart phone and similar devices.

Charge time may vary and in some cases may take longer to charge than when using the manufacturers charging unit supplied with the smart phone.

1. Ensure your sound system is plugged in.

2. Connect your smart phone to the USB charging socket at the rear of your sound system.

3. Your iPhone or smart phone will begin to charge.

4. Once your iPhone or smart phone has charged remove the USB lead.
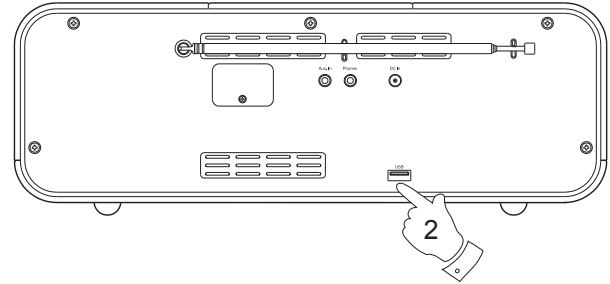
Software upgrades

In the event that any software update is made available for your sound system, information on how to update your sound system will be made available via our website at **http://www.robertsradio.com**

Cautions

Do not allow this sound system to be exposed to water, steam or sand. Do not leave your sound system 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. It is recommended that the DAB band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the FM band.

•   The name plate is located on the rear of the unit.

•   Your sound system should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the sound system.

•   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.

Specifications

Power Requirements

Mains   AC 230V ∿ 50/60 Hz (Adaptor)

Frequency Coverage

FM   87.5-108MHz
DAB   174.928 - 239.200MHz

Circuit Features

Loudspeaker x 2	55 mm
Output Power	2 x 9 Watts
Headphone socket	3.5mm dia
Auxiliary input socket	3.5mm dia

Aerial System	FM	Telescopic aerial
	DAB	Telescopic aerial

The Company reserves the right to amend the specification without notice.

Guarantee

This product is guaranteed for twelve months from the date of purchase by the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.

The guarantee does not cover:

    1. Damage resulting from incorrect use.

    2. Consequential damage.

    3. Product with removed or defaced serial numbers.

    N.B. Damaged or broken telescopic aerials will not be replaced under guarantee.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the product was purchased. It is likely that your Roberts dealer will be able to attend to any defect quickly and efficiently, but should it be necessary the dealer will return the product to the company's service department for attention. In the event that it is not possible to return the product to the Roberts dealer from whom it was purchased, please contact Roberts Radio using the contact details on the www.robertsradio.com website.

For product repairs falling outside the guarantee period, please refer to the "customer care" tab on the www.robertsradio.com website.

These statements do not affect the statutory rights of a consumer.

Issue 2

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