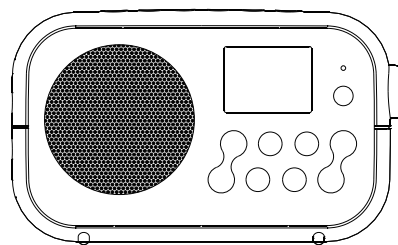


# DPR-42BT



**GB**

Version 1





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# Important safety instructions

1. Read and understand all safety and operating instructions before the radio is operated.
2. **Retain instruction:** The safety and operating instructions should be retained for further reference.
3. **Heed warnings:** All warnings on the appliance and operating instructions should be followed.
4. Follow all operations and use instructions.
5. **Water and moisture:** The appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.
6. Unplug the radio from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the radio.
7. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the radio.
8. **Ventilation:** This radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce air flow through the ventilation openings.
9. **Power sources:** The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer or power company.
10. **Mains adaptor:** The mains adaptor should be positioned so it is not walked on, pinched, or items placed on top of it. Pay particular attention to wires at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the mains adaptor by gripping the adaptor, not the wire. Operate the radio using only the current type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
11. Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the radio through opening. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock.
12. If the radio is left unattended or unused for long periods of time, unplug it from the wall outlet. This will prevent damage caused by unplug it from the wall outlet. This will prevent damage caused by lightning or power line surges.


# Important safety instructions

- 13.** If the radio is left unattended and used for a long period of time, remove the batteries. The batteries may leak and damage furniture or your radio.
- 14.** Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty. Refer all servicing to authorized service personnel.
- 15.** Never push objects of any kind into this radio through opening as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind into the product.
- 16.** The appliance should be serviced by qualified service personnel when:  
The power supply cord or the plug has been damaged.  
Objects have fallen or liquid had been spilled into the radio.  
The radio has been exposed to rain or water.  
The radio does not appear to operate normally or exhibits a marked change in performance.  
The radio has been dropped, or the enclosure damaged.
- 17.**  To prevent possible hearing damage, do not listen at high volume levels for long periods.
- 18.**  **CAUTION**
- minimum distances around the apparatus for sufficient ventilation.
  - the ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
  - no naked flame sources, such as lighted candles, should be placed on the apparatus.
  - attention should be drawn to the environmental aspects of battery disposal.
  - the use of apparatus in tropical and / or moderate climates.
- 19.** A warning that batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

# Important information on charging and using rechargeable batteries

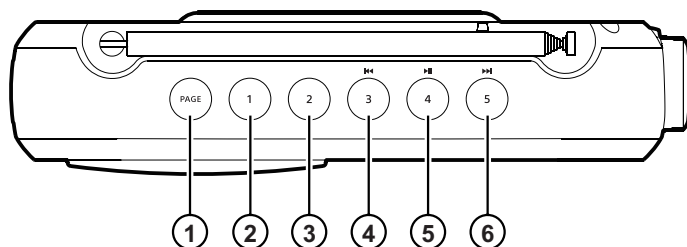
1. Recharge the batteries in any case at least every 2 months.
2. Make sure the Battery Select switch inside the battery compartment is set to the "NiMH" position.
3. Put the batteries in the compartment while paying attention to the correct polarity of the batteries (+ and -).
4. **First use:** Charge new batteries in one continuous, uninterrupted, charge until they are full. This first charge may take longer than normal. For longer battery life it is advised to always recharge in one continuous, uninterrupted charge until batteries are full and to not recharge again while the batteries are still full.
5. New batteries will only reach their full capacity after some time of use (several charge and discharge cycles).
6. Leave the complete group of batteries in place inside the radio and do not use these batteries or a few of them for other purposes. This will result in a mix of (fully) charged and (partly) empty batteries. This can seriously damage the batteries and radio when recharged.
7. It is advised to only charge batteries at room temperatures between 5 degrees C – 35 degrees C. In lower or higher temperatures full charge cannot be achieved.
8. Depending on the capacity of the batteries, charging from "empty" to "full" can take several hours, even up to 6 hours or more.
9. Do not charge batteries when the radio is hot or exposed to heat or heat sources.
10. It is advised to clean the metal contacts of the batteries and of the charger inside the radio e.g. with a contact-spray from time to time.
11. Do not use a mix of old and new rechargeable batteries.
12. Do not use a mix of rechargeable and non-rechargeable batteries.
13. Do not use a mix of full and empty rechargeable batteries.
14. Do not use batteries that have a different mAh capacity.
15. Do not use damaged, deformed or leaking batteries.

## Important information on charging and using rechargeable batteries

- 16.** Battery level indication is an approximate indication only and can vary with battery type that is used.
- 17.** Batteries can become hot during charging.
- 18.** In cold conditions the capacity of batteries will be much lower than when used at normal room temperature.
- 19.** Batteries (even when supplied with the radio), as being consumables, do not fall under the warranty conditions of the radio.
- 20.** Batteries should not be disposed of by incineration and with household waste.
- 21.** Disposable batteries should be taken to a suitable recycling center if possible.
- 22.**  **CAUTION** — Risk of explosion if the battery is replaced by an incorrect type.

# Controls

## Top view



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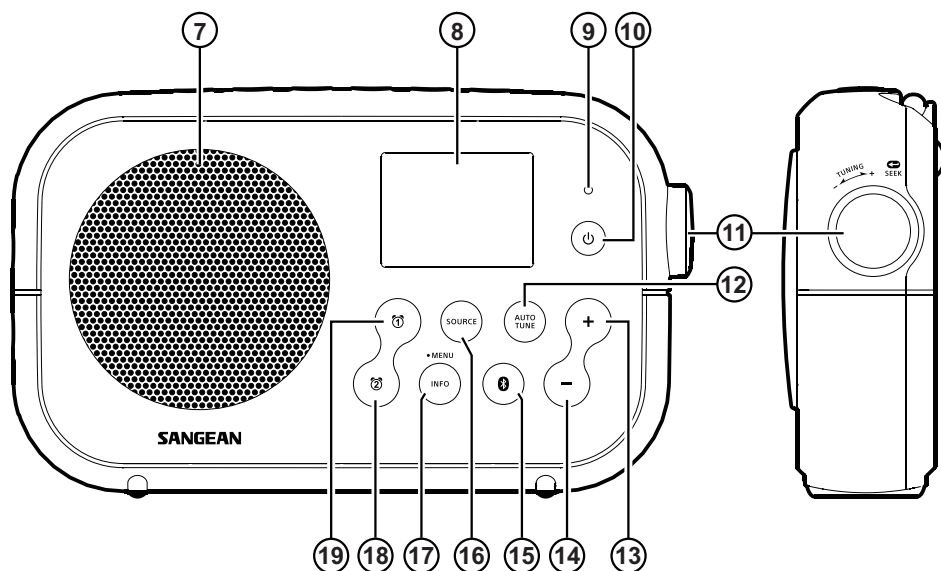
①	Page button
②	Preset 1
③	Preset 2

④	Preset 3 / Rewind button
⑤	Preset 4 / Play / Pause button
⑥	Preset 5 / Fast-forward button

# Controls

Front view

Right view



7	Speaker
8	LCD display
9	Charge / Battery Low indicator
10	Power button
11	Tuning control knob / Select / Seek button
12	Auto Tune button
13	Volume Up button

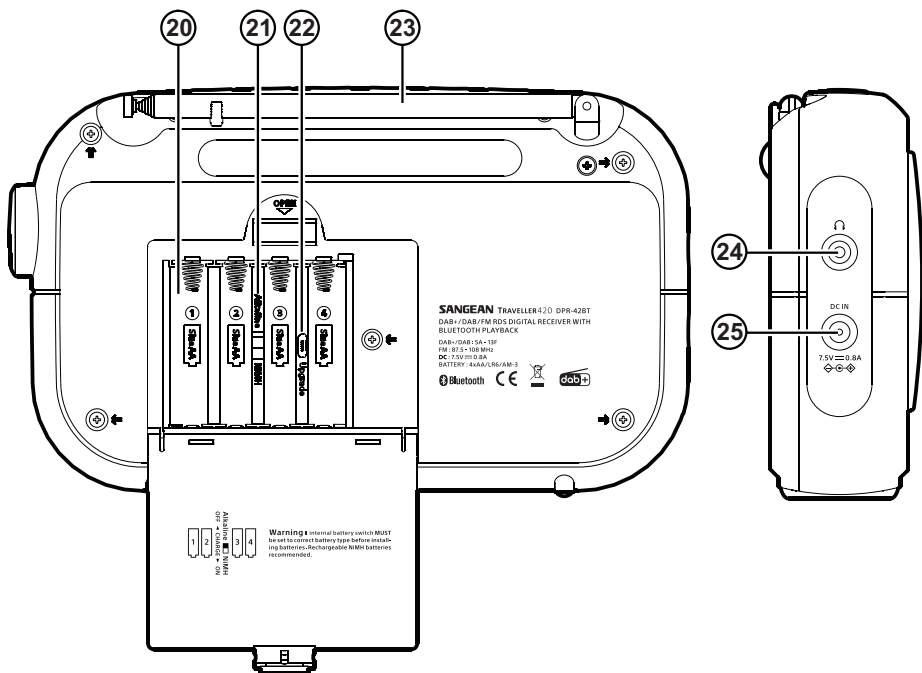
14	Volume Down button
15	Bluetooth pairing button
16	Source button
17	Info / Menu button
18	Alarm 2 button
19	Alarm 1 button



# Controls

Back view

Left view

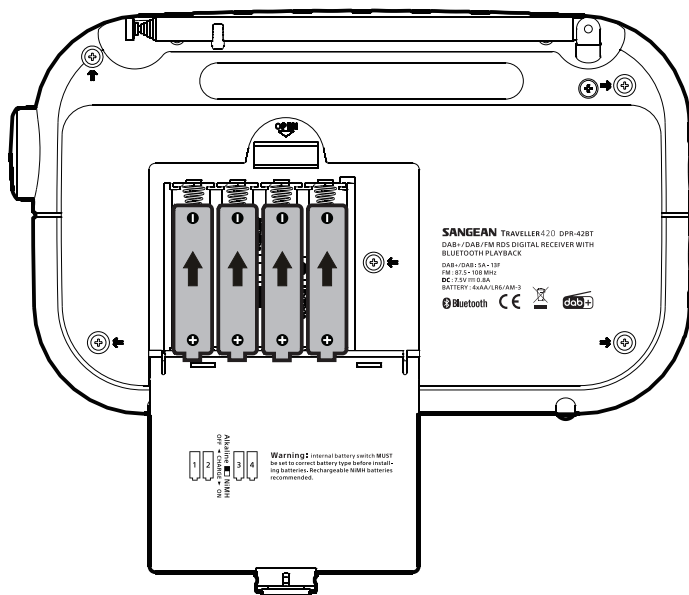


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20	Battery compartment
21	NiMH / Alkaline batteries switch
22	USB socket for software upgrade

23	Telescopic aerial
24	Headphone socket
25	DC IN socket

# Battery operation



1. Open the battery cover on the rear of the unit by pushing the latch downward.

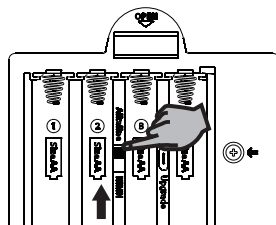
## NOTE

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

2. Insert 4xLR6 (AA size) batteries into the space in the compartment. Ensure the batteries are inserted in accordance with the diagram shown. Close the battery compartment door.

## IMPORTANT

When using alkaline batteries the battery switch must be placed in the alkaline position. Failure to do so could result in serious damage to the batteries or radio.



# Battery operation

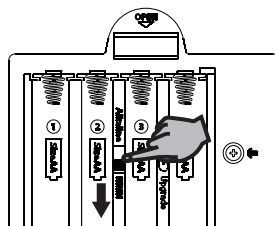
3. The low battery indicator showing red, reduced power, distortion and a 'stuttering' sound are all signs that the batteries may need replacing.
4. If the radio is not to be used for any extended period of time it is recommended that the batteries are removed from the radio.
  - If extended listening using batteries is anticipated, then the use of rechargeable batteries is recommended.

## Charging the batteries

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### ⚠ IMPORTANT

When using rechargeable batteries the battery switch must be placed in the NiMH position. Batteries will only be charged when the radio is switched off and connected to the AC adaptor.



The charge indicator will flash green indicating that batteries are charging. Batteries will be fully charged in around 4-6 hours depending on their capacity. The charge indicator shows a steady green light when battery charging is complete.

During the charging process, if a battery is detected as faulty / damaged, the charge LED indicator will show red light. The battery indicator will be shown with a cross under the corresponding battery number and the display will switch to standby mode after 10 seconds. Pressing the Info button can view the battery status display again.



# Battery operation

## Charging the batteries

### NOTE

- Duration for charging your batteries fully can vary according to the mAh capacity of the batteries. Higher mAh batteries require a longer charging time.
- When the batteries are exhausted, the battery light will show red for a short while. The radio will then switch itself off. It may not be possible to switch the radio back on until the batteries are recharged, or until the radio is connected to the mains adaptor.
- Under some conditions the charging LED indicator may switch off after flashing briefly. This may happen if the batteries are already freshly charged, or if the radio detects that you may be attempting to recharge alkaline batteries or mixed different types or capacity of rechargeable battery. In these cases the charging will be stopped.

## Using the AC power adaptor

The AC power adaptor required for this unit should be 7.5 volts DC at 0.8A center pin positive. Insert the adaptor plug into the DC socket on the left side of the radio. Plug the adaptor into a standard mains socket outlet.

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

### IMPORTANT

The mains adaptor is used as the means of connecting the radio to the mains supply. The mains socket used for the radio must remain accessible during normal use. In order to disconnect the radio from the mains completely, the mains adaptor should be removed from the mains socket outlet completely.

# Operating your radio – DAB

1. Carefully extend the telescopic aerial.
2. Press and hold the Power button to switch on your radio.
3. If this is the first time the radio is used, a quick scan of the Band III DAB channels will be carried out. If the radio has been used before the last used station will be selected.
4. During the scanning process, as new stations are detected the station counter will increase and the stations will be added to the list which is stored in the radio. The bar graph indicates the progress of the scan.
5. When the scanning is completed the first station (in numeric-alpha order 0...9...A.....Z) will be selected.
6. If the station list is still empty after the scan, your radio will show "No stations found" for a moment.
7. If no signals are found it may be necessary to relocate your radio to a position giving better reception.

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## Selecting a station – DAB

1. Press and hold the Power button to switch on your radio.
2. Press the Source button until the 'DAB radio' mode is selected.
3. Rotate Tuning control knob to step through the list of available stations.
4. Press Select button to select and tune to the desired station.
5. Use the Volume Up / Down button to set the sound level as needed. Alternatively to access the station list using the DAB menu, press and hold the Menu button and then choose 'Station List'.

### NOTE

If after selecting a station the station does not tune it may be necessary to relocate your radio to a position giving better reception.

## Secondary services – DAB

Some radio stations may have one or more additional broadcasts associated with them. If these are available, they will appear immediately after the main station as you rotate the Tuning control knob. To tune to the selected service, Press the Select button.

## Finding new stations – DAB

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As time passes new stations may become available or you may have moved your radio 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 hold the Power button to switch on your radio.
2. Press the Source button until the 'DAB radio' mode is selected.
3. Press the Auto Tune button to initiate the scan. Your radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the display will increase and the radio stations will be added to the list stored in the radio.

## Manual tuning – DAB

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

1. When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select "Manual Tune".
3. Press the Select button to enter manual tune option.
4. Rotate the Tuning control knob to choose the required DAB channel.
5. Press the Select button to cause the radio to tune to the chosen channel.

# Dynamic Range Control settings – DAB

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

1. When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select "DRC".
3. Press the Select button to enter the DRC adjustment mode.
4. Rotate the Tuning control knob to highlight the required DRC setting (the default is Off).  
DRC High - DRC is set as sent by broadcaster.  
DRC Low - DRC level is set to 1 / 2 that sent by broadcaster.  
DRC Off - DRC is switched off, Broadcast DRC will be ignored.
5. Press the Select button to confirm the setting.

## NOTE

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

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# Station order setup – DAB

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

1. When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select "Station order".
3. Press the Select button to enter the station order adjustment mode.
4. Rotate the Tuning control knob to choose "Alphanumeric", "Ensemble" and "Valid".  
"Alphanumeric" - sorts the station list alpha-numerically 0...9 A...Z.  
"Ensemble" - organizes the station list by DAB multiplex.  
"Valid" - shows only those stations for which a signal can be found.
5. Press the Select button to confirm the required station order

## Prune stations – DAB

If you move to a different part of the country, some of the stations which were listed may no longer be available. Also, from time to time, some DAB services may stop broadcasting, or may change location or frequency. Stations which cannot be found, or which have not been received for a very long time are shown in the station list with a question mark. The Prune stations function will delete the marked DAB stations from your station list.

1. When in DAB mode press and hold the Info / Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select "Prune Invalid".
3. Press the Select button to enter adjustment mode.
4. Rotate the Tuning control knob to select "Yes" or "No". To activate the Prune function select "Yes", then press the Select button to confirm the setting. If you do not wish to prune stations, select "No" and then press the Select button to confirm the setting.

### NOTE

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

## Operating your radio – FM

1. Carefully extend the telescopic aerial.
2. Press and hold the Power button to switch on your radio.
3. Press the Source button to select the FM band.
4. To scan up in frequency, rotate the Tuning control knob in a clockwise direction and then press the Tuning control knob or Auto Tune button. Your radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.

To scan down in frequency, rotate the Tuning control knob in an anti-clockwise direction and then press the Tuning control knob or Auto Tune button. Your radio will scan in a downwards direction and stop automatically when it finds a station of sufficient strength.



## Operating your radio – FM

5. After a few seconds the display will update. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present then the radio will display the station name.
6. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.
7. Press the Volume Up / Down button to adjust the sound level as needed.
8. To switch off your radio, press and hold the Power button.

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## Manual tuning – FM

1. When in FM mode, rotate Tuning control knob to tune to a station. The frequency will change in steps of 50kHz.
2. Press the Volume Up / Down button to adjust the sound level as needed.

## Scan sensitivity setting – FM

Your radio will normally scan for FM broadcasts which are strong enough to give good reception. However, you may wish the Auto-scan function to also be able to find weaker signals, possibly from more distant radio transmitters. Your radio includes “Strong stations only” and “All Stations” options for the Auto-scan function.

1. When in FM mode, press and hold the Info / Menu button to enter the FM menu.
2. Rotate the Tuning control knob to select “Scan Setting”. Press the Select button to enter the setting.
3. Rotate the Tuning control knob to choose “Strong Stations Only” or “All Stations”. The “All Stations” option will allow the radio to find weaker signals when scanning. Press Select button to confirm the setting.

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## Stereo / Mono switching – FM (only affects headphone)

If the FM radio station being listened to has a weak signal, some hiss may be audible. It is possible to reduce this hiss by forcing the radio to play the station in mono rather than stereo.

1. Ensure your radio is in FM mode and tune to the required FM station.
2. Press and hold the Info / Menu button to enter the FM menu.
3. Rotate the Tuning control knob to select “Audio Setting”. Press the Select button to enter the setting. The current audio setting is indicated with a tick.
4. Rotate the Tuning control knob to select “Forced Mono” or “Stereo Allowed”. Press Select button to confirm the setting.

### NOTE

Stereo listening is only available when listening via headphones.

# Display options – DAB / FM / Bluetooth

Your radio has a range of display options when in DAB, FM and Bluetooth modes:

Press the Info button to cycle through the various options.

## DAB display options

Your radio can display the following in DAB mode:

Station name, scrolling text, program type, multiplex name, channel & frequency, signal strength / error rate, bit rate, audio mode, date and slideshow.

For the signal strength / error rate, a low error number indicates a better quality of DAB radio signal. The minimum signal marker 'I' which separates the left and right parts of the signal graph shows the minimum signal level required for satisfactory reception.

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

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

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## FM display options

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

The RDS indicator at the bottom of the display shows that there is some RDS data present in the broadcast being received.

Your radio can display the following in FM mode:

Station name, scrolling text, program type, frequency, audio mode and date.

## Bluetooth display options

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

Title, Artist, Album and date details.

Please note that the availability of information depends on the specific media format.

## Presetting stations in DAB and FM modes

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

1. Press and hold the Power button to switch on your radio.
2. Tune to the required radio station as previously described.
3. To store the station as a preset, press the Page button to select the required preset page 1 to 4 and then press and hold the required preset button (1-5) until the display shows e.g. "P2 M1 saved".
4. Stations which are already stored in the presets may be overwritten by following the above procedure.

### NOTE

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

## Recalling a preset in DAB and FM modes

1. Press and hold the Power button to switch on your radio.
2. Select the required operating mode using the Source button.
3. Press the Page button to select the required preset page and momentarily press the required Preset button, your radio will tune to the station stored in the selected preset memory. The chosen preset number is also shown in the lower area of the radio display, e.g. " P2  
M1 ".

# Listening to music via Bluetooth streaming

You need to pair your Bluetooth device with your DPR-42BT before you can auto-link to play / stream Bluetooth music through your DPR-42BT. Pairing creates a 'bond' so the two devices can recognize each other.

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

1. With your radio switched on, press the Source button to select Bluetooth function. "Bluetooth Pairing" will show on the display.
2. Activate Bluetooth on your device according to the device's user manual to link to the radio. Locate the Bluetooth device list and select the device named 'DPR-42BT' (With some Smartphone's that are equipped with earlier versions than BT2.1 Bluetooth device, you may need to input the pass code "0000").
3. Once connected, there will be a confirmation tone sound and the name of your connected Bluetooth device will show on the display. You can simply select and play any music from your source device.
4. The volume control can be adjusted from your source device, or directly from the radio. Use the controls on your Bluetooth-enabled device or on the radio to play / pause and navigate tracks.

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### NOTE

- If 2 Bluetooth devices are pairing for the first time, both will search for your radio, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device will not find it on the list.
- If you take your source device out of range, the connection will be temporarily disconnected to your radio. Your radio will automatically reconnect if the source device is brought back in range. Be aware that during the period of disconnection, no other Bluetooth device can pair or link with your radio.
- If 'DPR-42BT' shows in your Bluetooth device list but your device cannot connect with it, please delete the item from your list and pair the device with the radio again following the steps described previously.
- The effective operation range between the system and the paired device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.

# Listening to music via Bluetooth streaming




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

### NOTE

- Bluetooth connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your radio. All features may not be supported on some paired Bluetooth devices.
- With some mobile phones, making / receiving calls, text messages, e-mails or any other activities unrelated to audio streaming may mute the Bluetooth audio streaming or even temporarily disconnect from your device. Such behavior is a function of the connected device and does not indicate a fault with your DPR-42BT.

## Playing audio files in Bluetooth mode

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

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

### NOTE

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

# Listening to music via Bluetooth streaming

## Reconnecting a previously – paired Bluetooth source device

The DPR-42BT can memorize up to 8 sets of paired Bluetooth source devices, when the memory exceed this amount, the earliest pairing device will be over written from the device.

If your Bluetooth source device already paired with the DPR-42BT previously, the unit will memorize your Bluetooth source device and it attempts to reconnect with a Bluetooth source device in memory which is last connected. If the last connected Bluetooth source device is not available, the DPR-42BT will try to connect to the second last Bluetooth source device.

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## Disconnecting your Bluetooth device

1. Press and hold the Bluetooth pairing button for 2-3 seconds to disconnect with your Bluetooth device or turn off Bluetooth on your Bluetooth source device to disable the connection. There will be a confirmation tone sound and the “Bluetooth Pairing” will show on the display.
2. You can also press the Source button to select any mode other than Bluetooth mode to disable the connection.

## Automatically updating the clock

You may specify that the radio sets its clock from DAB or FM radio broadcasts. After a power failure the radio will then set its clock the next time that you turn on the radio in DAB or FM mode.

Alternatively you may specify that the time is not automatically updated. In this case the clock must always be set manually after a power interruption.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select “System Settings”. Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select “Time/Date”. Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select “Auto Update”. Press the Select button to enter the auto-update menu.
5. Rotate the Tuning control knob to choose an update option from “from Any”, “from DAB Radio”, “from FM” or “No Update” as required. Press the Select button to confirm your choice. The current setting will be marked with a tick.

## Setting the clock format

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Time / Date". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select "Set 12 / 24 Hour". Press the Select button to enter the clock format setting. The current clock display format is marked with a tick.
5. Rotate the Tuning control knob to select 12 or 24 hour format. Press the Select button to confirm your setting. If the 12 hour clock format is chosen, the radio will display a 12 hour clock with an AM or PM indicator.

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## Setting the date format

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Time / Date". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select "Set Date Format". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to select "DD-MM-YYYY" or "MM-DD-YYYY" date format. Press the Select button to confirm the setting.



# Setting the clock manually

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Time / Date". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select "Set Time / Date". Press the Select button to enter the setting.
5. If the radio has been set to use a DD-MM-YYYY date format (for example). The day digits will flash. Rotate the Tuning control knob until the correct day is shown on the display. Press the Select button to confirm the setting. The month digits will then flash.
6. Rotate the Tuning control knob to select the correct month. Press the Select button. The year digits will then flash.
7. Rotate the Tuning control knob to select the correct year. Press the Select button. The hour digits will then flash.
  - If the radio has been set to use a MM-DD-YYYY date format, follow the steps above to set the month / day / year setting.
8. Rotate the Tuning control knob to select the correct hour. Press the Select button. The minute digits will then flash.
9. Rotate the Tuning control knob to select the correct minutes. Press the Select button to confirm the setting. "Time Saved" will show on the display before exiting the clock setup.
  - If the radio has been set to use a 12 hour clock format, there will also be an option for setting the AM or PM. Rotate the Tuning control knob to select AM or PM. Press the Select button to confirm the setting.

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## Clock style

Your radio has a range of clock styles for the display when the radio is in Standby. There are four options available.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Time / Date". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select "Clock Style". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to select a clock style from "Normal Digital", "Big Digital", "Classic Analog" or "Modern Analog". Press the Select button to confirm the setting. The current style is marked with a tick and will become visible when the radio is put into standby.

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## Setting the alarm clock

Your radio has two separate alarms which can be set to wake you to DAB, FM radio or buzzer alarm. Each alarm can be set to sound once, daily, on weekdays or at weekends. In the event of a power interruption your radio has a built in memory that will retain your alarm settings. Ensure that the time is set correctly before setting the alarms. Alarms can be set while the radio is in Standby or switched on.

### NOTE

When using batteries only and the radio is switched off, the alarms can't be set.

### NOTE

If no buttons are pressed for 10 seconds, your radio will exit the alarm setup.

# Setting the alarm clock

1. Press the Alarm (1 or 2) button to enter the alarm setting menu.
2. Rotate the Tuning control knob to choose "Alarm" and press the Select button to select "On" or "Off". If "Off" is selected any current setting for that alarm will be cancelled.
3. Rotate the Tuning control knob to choose "Wake Up time". Press the Select button to cause the alarm hour digits to flash on the display.
4. Rotate the Tuning control knob to choose the desired hour for the alarm and then press the Select button to cause the alarm minute digits to flash on the display.
5. Rotate the Tuning control knob to choose the desired minute for the alarm and then press the Select button.
  - If the radio has been set to the 12 hour clock format, there will also be an option here for setting AM or PM for the alarm time. Rotate the Tuning control knob to select AM or PM. Press the Select button to confirm the setting.
6. Rotate the Tuning control knob to choose "Frequency". Press the Select button. The display will show the frequency options for the alarm. The alarm frequency options are as follows:
  - "Daily" - the alarm will sound everyday
  - "Once" - the alarm will sound once
  - "Weekends" - the alarm will sound only at weekends
  - "Weekdays" - the alarm will sound on weekdays only
7. Rotate the Tuning control knob to choose the required alarm frequency option. If you choose to set the alarm to Once you will also need to set the "Date / Time" option which will appear in the alarm setting menu. Rotate the Tuning control knob to set the "Date / Time" and press the Select button. Use the Tuning control knob / Select button to set the date and time.
8. The alarm can be set to buzzer, DAB radio or FM radio. For whichever radio mode is selected, the radio alarm may be set to any of the stations which have been stored as presets or to the station most recently listened to.

Rotate the Tuning control knob to choose the "Source" option for the alarm. Press the Select button. Then rotate the Tuning control knob to choose either "Buzzer" or the required radio mode. Press the Select button to confirm the setting.

## Setting the alarm clock

9. If setting the alarm to a radio option, rotate the Tuning control knob to choose the "Preset" option. Press the Select button. Then rotate the Tuning control knob to choose from either the radio station "Last Listened" to, or from the presets. Press the Select button to confirm the selection.

### NOTE

You can only set the alarm to use a preset which has already been stored.

10. Rotate the Tuning control knob to choose "Duration". Press the Select button. Then rotate the Tuning control knob to choose the duration time from 15 to 120 minutes. Press the Select button to confirm the selection.
11. Rotate the Tuning control knob to choose the "Volume" option. Press the Select button. Then rotate the Tuning control knob set the required volume. Press the Select button to confirm the selection.
12. In order to store the alarm settings rotate Tuning control knob until 'Save' is highlighted. Press Select button to store the alarm settings.

Active alarms are shown using small alarm indicators and the corresponding alarm number

  at the bottom of the playing display and on the clock display when in Standby.

### NOTE

If you make a mistake at any point while setting the alarms, use the Menu button to cancel the operation.

## When the alarm sounds

The alarm will sound at the selected times for up to 120 minutes unless cancelled. The maximum volume used for the alarm will be specified during the alarm setting procedure. When your radio 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 the radio station, the buzzer will be used instead.

### NOTE

If the radio is switched on because of a radio alarm you cannot perform operations which involve the Tuning control since this also acts as the Snooze.

When the alarm activates it will start softly and gradually increase in level. You can adjust the volume as needed using the volume control. The radio will automatically switch back to standby mode when the alarm duration has elapsed.

## Cancelling alarms

Whilst an alarm is sounding, press and hold the Power button to cancel the alarm and return to standby mode.

## Snooze timer

1. When the radio alarm sounds, pressing any button other than the Volume buttons will silence the alarm for 5 minutes. The buzzer alarm can be silenced for 5 minutes by pressing any button.
2. While the snooze timer is active the remaining snooze time is shown next to the alarm icon on the clock display. This sequence can be repeated during the alarm period.
3. In order to cancel the Snooze timer while the alarm is suspended, press and hold the Power button.

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## Disabling alarms

1. To disable an alarm, press the Alarm (1 or 2) button to enter the alarm setting menu.
2. Rotate the Tuning control knob to choose "Alarm".
3. Press the Select button to select "Off".
4. Rotate the Tuning control knob to choose "Save". Press the Select button to confirm the setting.

## Sleep timer

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

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Sleep". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select the required sleep time. The sleep timer can be set to between 15 and 90 minutes, or to Off.
5. Your radio will switch into Standby mode after the preset time has elapsed. If running on batteries it will switch off completely shortly afterwards.

An active sleep timer is shown using a small timer indicator at the bottom of the playing displays. This indicator also shows the sleep time remaining before the radio switches itself into Standby mode.

6. To cancel the sleep time before the preset time has elapsed and to turn off the radio, press and hold the Power button to turn the radio off manually.

To cancel the sleep timer and leave the radio playing, go back into the sleep timer settings (steps 1 to 4 above) and select the Off option in step 4.

## Equaliser function

The sound on your radio can be adjusted to suit your personal taste for the material that you are listening to.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Equaliser". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select the desired option. Press the Select button to confirm your choice.

# Set up My EQ profile

You may set the treble and bass levels as required using the “My EQ Setup” menu.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select “System Settings”. Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select “Equaliser”. Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select “My EQ Setup”. Press the Select button to enter the setting.
5. Rotate the Tuning control knob to select “Treble”. Press the Select button to enter the setting.
6. Rotate the Tuning control knob to adjust the treble level. The sound will change as you adjust the level. Press the Select button to confirm the setting. The display will then revert to My EQ Setup menu.
7. Rotate the Tuning control knob to select “Bass”. Press the Select button to enter the setting.
8. Rotate the Tuning control knob to adjust the bass level. The sound will change as you adjust the level. Press the Select button to confirm the setting. The display will then revert to My EQ Setup menu.
9. Rotate the Tuning control knob to select “Loudness”. Press the Select button to enter the setting. Rotate the Tuning control knob to select the desired setting. The options are “Yes” or “No”. Press the Select button to confirm the setting.
10. To use the “My EQ” profile, enter the equalizer menu and choose “My EQ”.  
To quickly cancel the effect of the “My EQ” profile, choose the “Flat” option from the equaliser menu.

## NOTE

The treble and bass settings will be remembered for the next time you wish to use the 'My EQ' setting.

# Display colour options

You radio's display can be configured to several different colour options.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Theme". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select your desired colour option. The display will change to the chosen option. Press the Select button to confirm the setting.

# Night mode

Your radio can be set to a night time mode which minimises the amount of blue light from the display. You can set the start and the end time for the night mode and you can choose when the night mode is active.

1

With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.

2

Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.

3

Rotate the Tuning control knob to select "Night Mode". Press the Select button to enter the setting.

4

Press the Select button to select Night Mode "On" or "Off".

5

Rotate the Tuning control knob to select the time period for which you wish the night mode to be active. Press the Select button to enter the setting. Use the Tuning control knob / Select button to set your required time period.

6

If you wish to preview the night mode, rotate the Tuning control knob to highlight 'Preview' and press the Select button to select Preview "On". Press the Select button again to select Preview "Off" to return to the normal display.

System Settings16:34

ThemeRuby >

Night Mode>

Sleep>

EqualiserMy EQ >

Time/Date>

Backlight>

LanguageEnglish >

Night Mode16:34

Night ModeOn

From21:00 >

To07:00 >

PreviewOff



## Brightness control

The brightness of the display can be adjusted for when the radio is in standby and for when it is in use. If you use the unit in the bedroom, you may prefer a lower standby brightness level than a higher brightness setting.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Backlight". Press the Select button to enter the setting menu.
4. In Backlight menu, there are 3 settings:  
**Timeout:** to adjust the length of time before the backlight turns off.

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**On level:** to adjust the brightness when the radio is in use.

**Standby level:** to adjust the brightness when the radio is in standby.

Rotate the Tuning control knob to select your option and press the Select button to confirm your setting.

## Language selection

By default your radio will display all menus and messages in English. You can choose your preferred language.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Language". Press the Select button to enter the setting menu.
4. Rotate the Tuning control knob to select your desired language. Press the Select button to confirm the setting. The display will change to the chosen language.

# Factory reset

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

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Factory Reset". Press the Select button to enter the setting.
4. Rotate the Tuning control knob to select "Yes" or "No". If you do not wish to carry out a system reset, select "No" and then press the Select button to confirm the setting.
5. With "Yes" selected, press 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.

In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.

# USB socket for software upgrade

From time to time, new software features for your radio may be developed. Your radio has therefore been designed to allow its internal software to be updated using your USB upgrade port. You should not attempt to update your radio unless it is recommended to you by Sangean Customer Services. Updating the software may remove all radio station presets and settings from your radio.

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

<http://www.sangean.com>

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

1. Using the micro USB cable (not supplied) to connect the USB socket in the battery compartment and your PC.
2. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
3. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
4. Rotate the Tuning control knob to select "Software Update". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to select "Yes" or "No". If you do not wish to carry out a software upgrade, select "No" and press the Select button to confirm the setting.
6. With "Yes" selected, press the Select button. The display will show "Waiting for PC wizard".
7. Go to the website above to download the latest software. Follow the on-screen instructions on your PC provided with the upgrade software to complete the software upgrade.

## NOTE

Please use AC power adaptor as main power when upgrading software. Do not switch off the power to the radio until the update operation is complete and the radio has restarted, otherwise the unit may become permanently damaged.

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# Software version display

The software version display is provided for reference and customer support purposes and cannot be changed.

1. With your radio switched on, press and hold Info / Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Settings". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Software Version". Press the Select button to display the software version.
4. Press the Info / Menu button as needed to exit.

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# Headphone socket

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



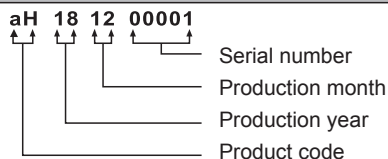
## IMPORTANT

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

# Specifications

Power Requirements	
Mains	AC 100-240 V ~ 50/60 Hz (adaptor) (Use only the supplied adaptor)
Batteries	4 x LR6 (AA Size) not included
Battery Life	Up to 25 hours using alkaline cells depending upon volume, display brightness and operating mode.
Frequency Coverage	
FM	87.5-108 MHz
DAB	174.928-239.200 MHz
Bluetooth	
Bluetooth Specification	Bluetooth® Ver 4.1
Profile Support	A2DP 1.2, AVRCP 1.5
Bluetooth Audio CODEC	SBC, AAC
Transmitting Power	Power Class 2
Line of Sight Range	10meters / 30feet
The frequency and maximum transmitted power	2402MHz ~ 2480MHz: 2.058dBm (Bluetooth EDR)
Aerial System	FM / DAB telescopic aerial
Speaker	8Ω / 3W
Output power	1.2W
Headphone socket (stereo)	3.5mm diameter
Operating Temperature Range	0°C to +35°C

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



The company reserves the right to amend the specifications without notice.



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)