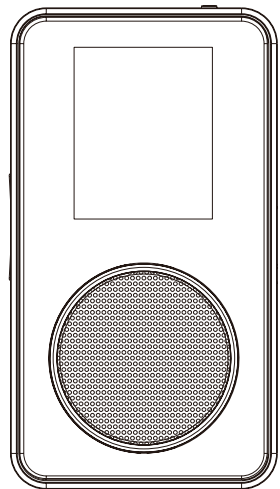
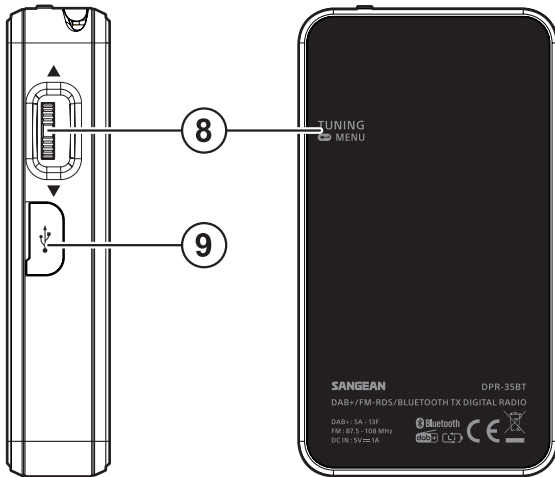
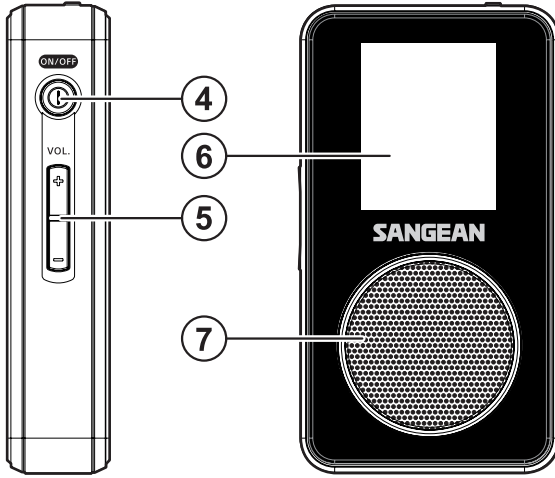
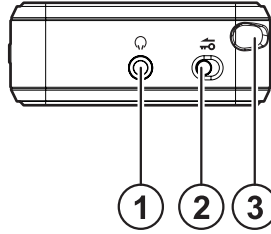


DPR-35BT



GB

Version 1



Safety Information for the Internal Rechargeable Lithium-Ion Battery

The internal rechargeable lithium-ion battery used in this device is designed to provide power for an extended period. However, like all lithium-ion batteries, it will eventually reach the end of its service life and may no longer hold a charge. If the battery does not recharge after several attempts, it may have reached the end of its service life. Please contact contact@sangean.com for repair information.

If you choose not to have the battery replaced, please dispose of the used battery or device in accordance with local laws and regulations. You may also contact your local electronics retailer or recycling centre for proper disposal.

User Safety Precautions

- Ensure the ambient temperature is between 5°C and 45°C (41°F–113°F) before charging the battery.
- Do not attempt to disassemble the device or its plastic casing, as internal materials may be hazardous and could cause injury or damage to clothing.
- Do not puncture, crush, modify, throw, or subject the battery to excessive shock. Improper handling may result in fire, explosion, or chemical burns.
- Do not leave, charge, or use the battery in a vehicle exposed to direct sunlight, fire, or other heat sources.
- Do not immerse the battery in water or seawater, or expose it to moisture.
- Do not use or charge the battery if it becomes abnormally hot, discolored, deformed, or shows any other unusual signs during use, charging, or storage.
- Do not leave a charging battery unattended, and keep it out of the reach of children.

NOTE:

Any changes or modifications not expressly approved by the responsible party for compliance may void the user's authority to operate the equipment and all associated warranties.

WARNING:

- Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CAUTION:

Risk of fire or explosion if the battery is replaced by an

incorrect type.

Important Notes:

1. It is recommended to purchase an adapter from SANGEAN that matches the power range indicated on the gift box.
2. When using a non-SANGEAN adapter, the functionality of the radio may be affected, such as the reception of radio stations.
3. When using an adapter that does not fall within the power range indicated on the gift box, please pay attention to the following:
 - (a) A higher-power PD adapter may be used, but the radio functionality, such as receiving radio stations, may be impacted.
 - (b) A lower-power adapter should not be used to avoid unforeseen risks.



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WARNING:

High sound pressure may cause hearing loss. To prevent possible hearing damage, avoid listening at high volume levels for extended periods.



Controls

- ① Headphone socket
- ② Lock switch
- ③ Antenna
- ④ Power button
- ⑤ Volume + / - button
- ⑥ TFT LCD display
- ⑦ Speaker
- ⑧ Tuning / Menu / Select / Info jog wheel
- ⑨ USB-C port for charging and software updates

Getting started

Charging the radio

The Sangean DPR-35BT features a built-in rechargeable lithium-ion battery.

We recommend fully charging the battery before the radio's first use.

To charge the battery, follow the steps below

1. Connect the USB-C end of the supplied USB cable to the radio's USB-C port.
2. Connect the USB-A end of the supplied USB cable to a certified USB power source (e.g., a wall adapter, a computer's USB port, or a power bank) rated at DC 5V / 1A that complies with applicable safety standards.

Notes:

- The radio can be charged while powered on or off.
- Fully charging the battery takes approximately 4 hours.

- If the radio is turned on while charging, the battery icon at the top of the radio's display will show an animation indicating that the battery is being charged.

Turning the radio on and off

After charging, turn the radio on by simply pressing the **Power button**. After the radio is turned on, it will briefly display the Sangean logo, after which it will resume operation in the last used mode. To turn the radio off, press the **Power button** again.

Note: If the radio becomes unresponsive or if the software update process is accidentally initiated, press and hold the **Power button** for 5 seconds to perform a forced restart.

Using the radio menu

The radio menu can be opened by pressing and holding the **Jog wheel** for 2 seconds while the radio is turned on. The menu displays items for the current mode (DAB or FM), as well as the **Bluetooth TX**, **Sleep** and **System Settings** submenus.

To navigate the radio menu, move the **Jog wheel** up or down to highlight an item, and then press the **Jog wheel** to confirm your choice. After entering a submenu, select **[Back]** to go back to the previous menu. To exit the radio menu, either select **[Back]** from the main menu of the current mode or wait 10 seconds without operating the **Jog wheel**.

In some menus, a check mark (✓) is shown. This indicates the currently selected setting.

The main menu items for DAB and FM mode are described in their respective chapters later in this manual. The list below provides an overview of the **Bluetooth TX**, **Sleep** and **System Settings** submenus, which are accessible from both DAB and FM mode.

- **[Bluetooth TX]:** Select this item to enable or disable the radio's Bluetooth transmitter (TX) feature. Refer to the "Streaming radio to Bluetooth devices" section for more information on this feature.
- **[Sleep]:** Select this item to configure the radio's sleep timer. The radio will turn off after the selected time has elapsed. The available options are **[120 minutes]**, **[90 minutes]**, **[60 minutes]**, **[45 minutes]**, **[30 minutes]**, **[15 minutes]**, and **[Sleep Timer Off]**. After setting the sleep timer, the sleep icon and remaining time will be shown at the bottom of the display.
- **[System Settings]:** Select this item to configure the radio's **System Settings**:
 - **[Backlight Settings]:** Select this item to configure the behavior and brightness of the backlight through the following submenus:
 - **[Backlight Auto]:** Select this item to enable or disable the automatic backlight dimming feature. When enabled, the backlight will be automatically dimmed after 10 seconds of inactivity.
 - **[Brightness]:** Select this item to configure the brightness of the radio's backlight. The available options are **[High]**, **[Medium]** and **[Low]**.

- **[Language]:** Select this item to configure the language in which the radio's menus appear.
- **[Factory Reset]:** Select this item to reset the radio to its factory default settings. After confirmation, all user settings and preset stations will be erased.
- **[Software Update]:** Select this item to update the radio's software. After confirmation, the radio will attempt to connect to the PC wizard* to perform the update.
- **[Software Version]:** Select this item to view the radio's current software version.

*: To update the radio's software, download the latest software for the DPR-35BT from the official Sangean website to your PC. When the radio displays the "Waiting for PC wizard..." message, connect the PC to the radio using a compatible USB cable, and then follow the on-screen instructions on the PC to complete the update.

Setting the clock

The clock does not need to be set manually and will automatically update each time the radio is turned on and tuned into a DAB station or an FM station that broadcasts time information via RDS.

The time is shown in the top-right corner of the display a few seconds after the radio receives a DAB or FM RDS time signal.

Using the keylock feature

The keylock feature can be enabled using the **Lock switch** on the top of the device. When the **Lock switch** is set to the locked position, the radio will not respond to any input controls. This prevents accidental operation, for instance when the radio is in your pocket.

Listening to DAB radio

Tuning into DAB stations

To tune into DAB radio stations, follow the steps below:

1. Turn on the radio using the **Power button**.
2. If the radio is in FM mode, switch to DAB mode by pressing and holding the **Jog wheel** for 2 seconds, selecting the **[DAB Mode]** item, and then pressing the **Jog wheel**.
3. If this is the first time DAB mode is used, the radio will automatically perform a full scan to find all available DAB radio stations. During the scan, the station counter increases as new stations are detected, and the stations are added to the station list which is stored in the radio. The progress bar indicates the progress of the scan.
4. When the scan is complete, the radio will display all stations that were found.
5. Move the **Jog wheel** up or down to scroll through the list of stations and press the **Jog wheel** to tune into a station.
6. Use the **Volume + / - button** to adjust the volume to a comfortable listening level.

Notes:

- Before selecting DAB mode and tuning into stations, make sure the antenna on top of the radio is fully extended or the earphones are connected to ensure optimal reception.
- When earphones are connected, an ear protection feature limits the volume to level 10. A warning message will appear when attempting to exceed this volume level. To override this protection, press the **Jog wheel** and then use the **Volume + / - button** to adjust the volume to a comfortable listening level.

The DAB radio menu

The main menu for DAB mode contains the following mode-specific items:

- **[Favourite]:** Select this item to store and recall presets. Refer to the “Preset Stations” section below for more information.
- **[FM Mode]:** Select this item to switch to FM mode.
- **[Station List]:** Select this item to access the station list and tune into a DAB station.
- **[Full scan]:** Select this item to perform a full scan and store all available DAB stations in the station list.
- **[Manual tune]:** Select this item to manually tune into a specific DAB channel / frequency.
- **[Prune Invalid]:** Select this item to remove all unavailable stations from the station list.
- **[DRC]:** 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. Select this item to configure the DRC level. The available options are:
 - **[High]:** DRC is set as sent by broadcaster.
 - **[Low]:** DRC level is set to 1/2 that sent by broadcaster.
 - **[Off]:** DRC is switched off. Broadcast DRC will be ignored. This is the default setting.
- **[Station Order]:** Select this item to configure the DAB station order. The available options are **[Alphanumeric]**, and **[Ensemble]**.
- **[Back]:** Select this item to exit the menu and return to the radio playback screen.


Showing DAB information on the display

When listening to a DAB radio broadcast, repeatedly press the **Jog wheel** to cycle through the following information on the radio's display:


- Text
- Program type
- Multiplex name
- Frequency
- Strength & Signal error
- Bit rate & Audio type

- Date and day of the week
- Slideshow*

*: Slideshow availability depends on the DAB station.

If the  icon is shown below the DAB station name on the radio's display, no slideshow image is available, and the radio will skip the slideshow item when cycling through information.



If the  icon is shown below the DAB station name, a slideshow image is available and will appear after the date and day of the week screen.

Listening to FM radio

Tuning into FM stations

To tune into FM radio stations, follow the steps below:

1. Turn on the radio using the **Power button**.
2. If the radio is in DAB mode, switch to FM mode by pressing and holding the **Jog wheel** for 2 seconds, selecting the **[FM Mode]** item, and then pressing the **Jog wheel**.
3. Move and hold the **Jog wheel** up or down for 2 seconds to automatically tune into the next FM station with a higher or lower frequency respectively. The radio will stop scanning when it finds a station with sufficient signal strength. The display will show the frequency of the station found. If the signal is strong enough and RDS data is available, the radio may display the station name after a few seconds.
4. Move the **Jog wheel** up or down to fine-tune the frequency with steps of 0.05 MHz if needed.
5. Use the **Volume + / - button** to adjust the volume to a comfortable listening level.
6. Repeat steps 3 and 4 to tune into other radio stations.

Notes:

- Before selecting FM mode and tuning into stations, make sure the antenna on top of the radio is fully extended or the earphones are connected to ensure optimal reception.
- When earphones are connected, an ear protection feature limits the volume to level 10. A warning message will appear when attempting to exceed this volume level. To override this protection, press the **Jog wheel** and then use the **Volume + / - button** to adjust the volume to a comfortable listening level.

The FM radio menu

The main menu for FM mode contains the following mode-specific items:

- **[Favourite]:** Select this item to store and recall presets. Refer to the “Preset Stations” section below for more information.
- **[DAB Mode]:** Select this item to switch to DAB mode.

- **[Scan Setting]:** Select this item to configure whether the radio only scans for stations with a strong signal or for all signals when moving and holding the **Jog wheel** up or down for 2 seconds. The available options are **[Strong Stations Only]**, and **[All Stations]**.
- **[Audio Setting]:** Select this item to configure if the radio should play FM stations in stereo when available. Select **[Stereo Allowed]** to enable stereo playback, or select **[Forced Mono]** to force mono playback. Forcing the radio to play FM broadcasts in mono can help reduce noise when listening to weak FM broadcasts.
- **[Back]:** Select this item to exit the menu and return to the radio playback screen.

Showing FM information on the display

When listening to a FM radio station that is also broadcasting RDS information (the RDS indicator is shown on the radio's display), repeatedly press the **Jog wheel** to cycle through the following information on the radio's display:

- Radio text message
- Program type
- Frequency
- Audio mode (stereo / mono)
- Date and day of the week

If no RDS information is available, the radio will be unable to display the station name, text message, and program type. If the stereo speaker icon is shown at the bottom of the display, this indicates that the radio is receiving a stereo broadcast.

Preset stations – DAB & FM

Storing preset stations

The DPR-35BT features 10 preset stations for both DAB and FM. Follow the steps below to store a station as a preset:

1. Turn on the radio using the **Power button**.
2. Select DAB or FM mode, and tune into the required station using the instructions in the previous sections.
3. Press and hold the **Jog wheel** for 2 seconds to open the menu of the selected mode, select **[Favourite]**, and then select **[Preset Store]**.
4. Use the **Jog wheel** to select your desired preset number and press the **Jog wheel**. The radio's display will confirm that the station has been saved to the selected preset number.
5. After a station has been saved as a preset, its preset number will appear at the bottom center of the radio's display.
6. Repeat steps 2-4 to store additional preset stations.

Recalling preset stations

To recall a preset station, follow these steps:

1. Turn on the radio using the **Power button**.
2. Select DAB or FM mode using the instructions in the previous sections.
3. Press and hold the **Jog wheel** for 2 seconds to open the menu of the selected radio mode, select **[Favourite]**, and then select **[Preset Recall]**.
4. Use the **Jog wheel** to select your desired preset number and press the **Jog wheel**. The radio will now tune into the selected preset station.
5. If the radio is tuned into a preset station, its preset number will appear at the bottom center of the radio's display.

Streaming radio to Bluetooth devices – DAB & FM

The DPR-35BT is equipped with a Bluetooth transmitter (TX), allowing you to stream the radio's audio to external Bluetooth devices such as headphones or speakers. To use this function, pair the radio with a receiving device. Pairing establishes a connection between the two devices.

Pairing your Bluetooth device for the first time

1. Turn on the radio by pressing the **Power button**.
2. Press and hold the **Power button** for 2 seconds to open the Bluetooth TX menu.

Alternatively: Press and hold the **Jog wheel** for 2 seconds to open the main menu of the selected mode, then select **[Bluetooth TX]** and press the **Jog wheel** to confirm.

3. Select **[On]** and press the **Jog wheel** to enable the Bluetooth TX feature. A blinking Bluetooth icon will appear at the bottom of the display.
4. Make sure Bluetooth is activated on your external Bluetooth device (refer to the manual of the external Bluetooth device if you are unsure about how to activate Bluetooth).
5. Select **[Scan Device]** on the radio to search for your external Bluetooth device and select your device when it appears in the list, or alternatively select "DPR-35BT" from your external device's Bluetooth list.

Note: If prompted for a pass code (on older devices with Bluetooth version 2.1 or earlier), enter "0000".

6. Once connected, the Bluetooth icon will stop flashing. The radio's internal speaker will mute and audio will be streamed to your Bluetooth device.

Notes:

- After enabling Bluetooth TX, a blinking Bluetooth icon will appear on the radio's playback screen. This indicates that the radio is available for pairing. If no connection is established within 5 minutes, the Bluetooth TX feature will automatically turn off to save power.
- If two Bluetooth devices are searching for the radio at the same time, the radio may appear in both device

lists. However, once a device is connected, the radio will no longer be available for pairing with another device. To pair a different device, disconnect the current device first and restart the pairing process.

- If your Bluetooth device is taken out of range, the connection between the device and the radio will be temporarily lost. The radio will automatically reconnect when the device is brought back into range.
- When playback is paused on the receiving Bluetooth device (such as headphones or a speaker), the radio's audio is muted. Press the Play button on the receiving device to unmute and resume listening.
- If "DPR-35BT" shows up in your Bluetooth device list, but your Bluetooth device cannot connect with it, please delete the item from your list and pair the Bluetooth device with the radio again following the steps described previously.
- The effective operation range between the radio and the paired Bluetooth device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.
- Bluetooth connectivity performance may vary depending on the connected Bluetooth device. Please refer to the Bluetooth capabilities of your device before connecting it to your radio. Not all features may be supported, depending on the Bluetooth device used.
- With some mobile phones, making / receiving calls, text messages, e-mails or any other activities unrelated to audio streaming may mute Bluetooth audio streaming or even temporarily disconnect from your device. Such behavior is a function of the Bluetooth device and does not indicate a problem with your DPR-35BT.

Bluetooth device memory

The DPR-35BT can memorize up to 10 previously paired Bluetooth devices. Once more than 10 devices are memorized, the earliest device with which the radio was paired will be overwritten in the radio's memory.

Disconnecting your Bluetooth device

To disconnect your external Bluetooth device from the radio, follow these steps:

1. Press and hold the **Power button** for 2 seconds to open the Bluetooth TX menu.

Alternatively: Press and hold the **Jog wheel** for 2 seconds to open the main menu of the selected mode, then select **[Bluetooth TX]** and press the **Jog wheel** to confirm.

2. Select **[Off]** to disable the Bluetooth TX feature.
3. Once disconnected, a confirmation tone will be played and the Bluetooth indicator will no longer be shown on the radio's playback screen.

Note: The Bluetooth connection can also be disconnected on the external device by turning off the Bluetooth feature (refer to the manual of the external Bluetooth device for detailed instructions).

The Bluetooth TX menu

The main menu for the Bluetooth TX feature contains the following items:

- **[Off]:** Select this item to turn off the Bluetooth TX feature.
- **[On]:** Select this item to turn on the Bluetooth TX feature. Once enabled, a submenu containing the following additional items will appear:
 - **[Device List]:** Select this item to view the list of previously paired Bluetooth devices. If no paired device is available, the radio will automatically start scanning for Bluetooth devices.
 - **[Scan Device]:** Select this item to scan for Bluetooth devices.
 - **[Forget Device]:** Select this item to erase all previously paired Bluetooth devices (requires confirmation).
 - **[Back]:** Select this item to go back to the previous menu.
 - **[Back]:** Select this item to go back to the previous menu.

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Specifications

Power Requirements

Battery Lithium-ion rechargeable battery, 3.7V, 1850mAh

Battery Life

Playback via the speaker: approx. 23 hours

Playback via earphones: approx. 29 hours

Playback via Bluetooth TX: approx. 18 hours

Note: Battery life is based on playback at a moderate volume for 4 hours per day. Actual performance may vary depending on usage conditions, volume level, battery age, and ambient temperature.

Frequency Coverage

FM 87.5-108 MHz

DAB+ Band III (5A-13F)

Bluetooth TX

Bluetooth Version Bluetooth® 5.4

Supported Profiles A2DP, AVRCP

Audio Codec SBC

Transmitting Power Class 2

Line-of-sight Range Approx. 10 m (30 ft)

Bluetooth Function Transmit only (Bluetooth reception not supported)

Circuit Features

Speaker 32Ω, 36mm diameter

Earphones 32Ω, in-ear type

Output Power 0.8mW (earphones); 200mW (speaker)

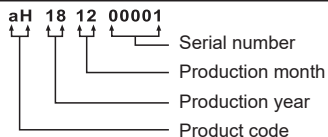
USB Port

USB Type-C (DC IN 5V $\overline{\text{DC}}$ 1A)


$\overline{\text{DC}}$ This symbol indicates DC voltage

Operating Temperature Range 0°C to +45°C (32°F~ 113°F)

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



Sangean reserves the right to amend the specifications without notice.

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