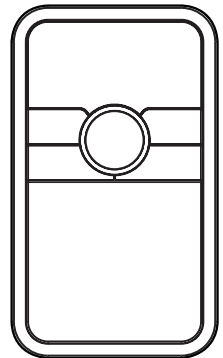
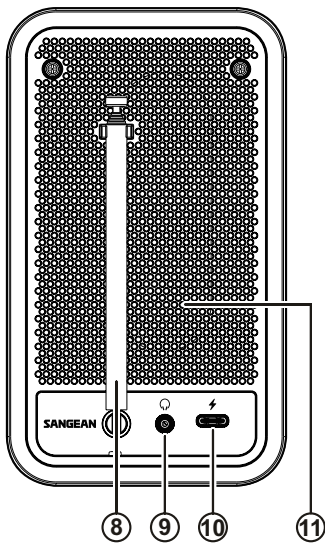
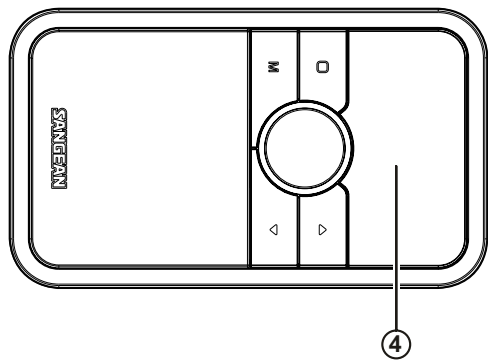
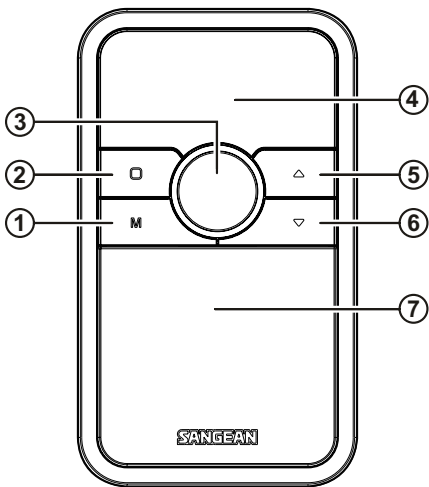


DDR-8



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Version 1





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
Important safety instructions

1. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
2. Only use attachments / accessories specified by the manufacturer.
3. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
4. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.
5. The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
6. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment and warranty.
7. **CAUTION:** Risk of explosion if the battery is replaced by an incorrect type.
8. Do not allow your radio to be exposed to water, steam or sand.  
9. Do not leave your radiowhere excessive heat could cause damage.
10. Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
11. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
12. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
13. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
14. To prevent possible hearing damage, do not listen at high volume levels for long periods. 
15.  : The symbol indicates DC voltage.

Warning:

Please do not attempt to remove or replace the built-in lithium battery. Unauthorized replacements may also void the warranty.

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.

Controls

- ① Mode button
- ② Power button
- ③ Volume knob / Menu / Select / Info / Play / Pause button
- ④ Rotating OLED display
 - The display can be rotated for different viewing orientations. When the radio is placed horizontally and the large clock is shown, only the **Power**, **Mode**, and **Volume controls** are available in DAB / FM mode. In Bluetooth mode, the **Next Track / Fast Forward** and **Previous Track / Rewind** buttons are also available; however, their functions vary depending on the display's horizontal orientation (left or right). For more information, refer to the "Audio playback in Bluetooth mode" section.
 - To conserve power, the clock will not be displayed when the radio is turned off and running on battery power.
- ⑤ Tuning Up / Next Track / Fast Forward button
- ⑥ Tuning Down / Previous Track / Rewind button
- ⑦ Speaker
- ⑧ Telescopic antenna
- ⑨ Headphone socket
- ⑩ USB-C charging socket
- ⑪ Passive speaker

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Getting started

Charging the radio

Note: Fully charge the battery before using the radio for the first time.

The radio is powered by a built-in lithium-ion battery, which can be recharged by connecting a USB power source to the radio's charging socket.

Use a USB power source that supplies 5V / 2.4A to ensure proper charging and prevent battery issues.

Signs that the battery needs recharging include reduced power, audio distortion, "stuttering" sounds, or a low battery icon appearing on the display.

To charge the battery:

1. Connect the USB-C end of the supplied charging cable to the USB-C port on the back of the radio.

2. Connect the other end of the cable to a USB-A power source, such as a PC, USB charger, or power bank.

A charging animation will appear on the display to indicate that the battery is charging. Once fully charged, the animation will stop.

Navigating and using the radio menu

The radio menu can be accessed while the unit is powered on.

1. Press the **Power button** to turn on the radio.
2. Press and hold the **Menu button** for 2–3 seconds to access the menu for the current mode.
3. Use the **Tuning Up / Down buttons** to scroll through the available options or adjust values.
4. Press the **Menu button** to confirm your selection.
5. To exit the menu, press and hold the **Menu button** again for 2-3 seconds, or select the **[Back]** option from the menu.

Note: If no input is detected for approximately 10 seconds while in the menu, the radio will automatically exit the menu.

The radio's default and recommended settings are indicated using an asterisk.

The list below gives an overview of the default options that can be selected from the menu in all of the radio modes. In some modes, the menu also features additional options specific to the selected mode. These options will be listed in the chapter belonging to that specific mode later in this manual.

- **[Sleep Timer]:** Select this option to set the radio's sleep timer.
- **[Brightness]:** Select this option to adjust the display backlight level. When the radio is connected to DC power and in standby mode, use the **Tuning Up / Down buttons** to set the desired brightness.
- **[Alarm]:** Select this option to set an alarm for the radio.
- **[System]:** Select this option to go to the system settings menu and configure the radio. The system menu offers the following options:

[Time Update]: Select this option to choose a source for automatically updating the date and time, or set the date and time manually.

[Time Mode]: Select this option to select the 12 or 24 hour format.

[Clock Set]: Select this option to manually configure the date and time.

[Language]: Select this option to configure the language in which the radio's menus are shown.

[Factory Reset]: Select this option to reset the radio to the default factory settings. After confirmation, all user settings and preset stations will be erased.

[SW Version]: Select this option to view the radio's software version.

- **[Back]:** Select this option to exit the current menu.

Sleep timer

The sleep timer allows you to automatically turn off the radio after a preset time has elapsed.

Follow the steps below to set the sleep timer:

1. With the radio turned on, press and hold the **Menu button** for 2–3 seconds to access the menu.
2. Use the **Tuning Up / Down buttons** to select **[Sleep Timer]**, then press the **Menu button** to confirm.
3. Use the **Tuning Up / Down buttons** to select the desired sleep time (15-120 minutes), then press the **Menu button** to confirm. A sleep timer icon will appear on the display.
4. To check the remaining time of the sleep timer, repeat steps 1-2.
5. To cancel the sleep timer, repeat steps 1-2 and select **[Sleep off]** in step 3. Press the **Menu button** to confirm. Alternatively, press the **Power button** to cancel the sleep timer and turn off the radio.

Alarm setup

When connected to DC power and in standby mode, the display shows a large clock along with the battery icon (if charging) and alarm status. You can access the alarm menu directly by pressing and holding the **Menu button** for 2–3 seconds. Alternatively, follow the steps below to enter the alarm menu:

1. With the radio turned on, press and hold the **Menu button** for 2–3 seconds to access the main menu.
2. Use the **Tuning Up / Down buttons** to select **[Alarm]**, then press the **Menu button** to confirm.

The alarm menu includes the following options:

Use the **Tuning Up / Down buttons** to scroll through the options or adjust values, then press the **Menu button** to confirm your selection.

[On]: Select this option to configure the alarm frequency, the available settings here are "Off", "Daily", "Once", "Weekdays" and "Weekends".

[Time]: Set the time for the alarm.

[Mode]: Select the alarm sound between DAB, FM and Buzzer.

[Preset]: If alarm mode is set to either "DAB" or "FM", the menu will include the **[Preset]** option. Use this option to choose either a preset station or the last listened station as the alarm source.

[Volume]: Select this option to set the alarm volume.

[Back]: Select this option to exit the current menu.

Once the alarm is successfully set, an alarm icon will appear on the display.

Snoozing or stopping the alarm

If the radio is turned off and not connected to DC power, an enabled alarm will trigger the radio to turn on and sound the alarm.

When the alarm is activated, it will start softly and

gradually increase in volume (Humane Wake System) and remain active for 60 minutes. An alarm symbol will flash on the display.

To cancel the alarm, press the **Power button**.

To snooze the alarm for 5 minutes, press any button except the Power button.

The remaining snooze time will be shown on the radio screen.

While the alarm is snoozing, pressing the **Power button** will cancel it.

For DAB / FM radio alarms, the **Volume knob** can be used to adjust the alarm's volume.

Listening to DAB radio

Tuning into DAB stations

To tune into DAB radio stations, follow these steps:

1. Turn on the radio by pressing the **Power button**.
2. Select the DAB radio mode by repeatedly pressing the **Mode button**.
3. If this is the first time the DAB radio mode is being used, the radio will automatically perform a full scan in order to find all available DAB radio stations. 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.
4. When the full scan has completed, the radio will automatically tune into the first DAB station in the station list and play the station.
5. Use the **Tuning Up / Down buttons** to scroll through the station list, then press the **Menu button** to tune into the selected station.
6. Rotate the **Volume knob** to adjust the volume.

Note: Before selecting the DAB radio mode and tuning into stations, make sure the telescopic antenna has been fully extended. If no signals are found it may be necessary to relocate your radio to a position giving better reception and carry out a scan for new stations.

The DAB radio menu

In the DAB radio mode, the radio's menu includes the following additional options specific to this mode:

- **[Scan]:** Select this option to perform a full scan and store all DAB radio stations that were found in the station list.
- **[Prune]:** Select this option and subsequently select **[Yes]** to delete all unavailable stations from the station list.
- **[DAB Advanced]:** After selecting this option, the following settings can be selected:
 - » **[Manual Tune]:** Select this option to manually tune into a DAB channel / frequency.
 - » **[Station Order]:** Select this option and subsequently select **[Alphanumeric]** to sort the station list alphanumerically or select **[Ensemble]** to sort the

station list by DAB multiplex or select **[Valid]** to show only those stations for which a signal can be found.

- » **[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.

After selecting this option, choose the desired DRC setting:

Off (default): DRC is switched off, and broadcast DRC will be ignored.

Low: The DRC level is set to 1 / 2 that sent by broadcaster.

High: DRC is set as sent by broadcaster.

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.

Showing DAB information on the display

When listening to a DAB radio station, repeatedly press the **Info button** to cycle through the following information on the radio's display:

- Scrolling Text
- Program Type
- Multiplex Name
- Date
- Frequency
- Bit Rate & Audio Type
- Coding Information
- Signal Strength

Listening to FM radio

Tuning into FM stations

To tune into FM radio stations, follow these steps:

1. Turn on the radio by pressing the **Power button**.
2. Select the FM radio mode by repeatedly pressing the **Mode button**.
3. Press and hold the **Tuning Up / Down buttons** for 2–3 seconds to scan upwards (from low to high frequency) or downwards (from high to low frequency). The scan will stop automatically when a station with sufficient signal strength is detected.
4. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband. If the signal is strong enough and there is RDS data present then the radio will display the station name.
5. To fine-tune the frequency in steps of 0.05 MHz, briefly press the **Tuning Up / Down buttons**.

Note:

Before selecting the FM radio mode and tuning into stations, make sure the telescopic antenna has been fully extended.

The FM radio menu

In the FM radio mode, the radio's menu includes the following additional options specific to this mode:

- **[Scan Setting]:** Select this option to configure the radio's autotune feature. Select **[Local]** to only have the autotune feature scan for local, strong signals, or select **[Distant]** to have the autotune feature scan for distant, weaker signals as well.
- **[FM Audio]:** Allows selection of **[Auto]** or **[Mono]**. **[Auto]** enables stereo to be played through headphones if a strong enough signal is present. If a station has a weaker signal and alternates between stereo and mono playback, selecting **[Mono]** forces the signal to play mono.

Showing FM information on the display

When listening to an FM radio station that is also broadcasting RDS information, repeatedly press the **Info button** to cycle through the following information on the radio's display:

- Text Message
- Program Type
- Date
- Frequency
- Audio Type

If no RDS information is available, the radio will be unable to display the station name, text message and program type.

Presetting stations in DAB and FM modes

There are 20 memory presets, 10 for DAB and 10 for FM. The radio station presets are retained in memory when the radio is switched off.

1. Tune to the desired station as previously described.
2. Press and hold the **Menu button** for 2–3 seconds to access the menu.
3. Use the **Tuning Up / Down buttons** to select **[Save Preset]**, then press the **Menu button**.
4. Use the **Tuning Up / Down buttons** to scroll to an unused preset or a preset you wish to change.
5. Press the **Menu button** to save the preset. "Preset X saved" will be displayed. The preset number will be shown on the playing display.

Recalling a preset in DAB and FM modes

1. Turn on the radio by pressing the **Power button**.
2. Select your desired radio mode by repeatedly pressing the **Mode button**.
3. Press and hold the **Menu button** for 2–3 seconds to access the menu.
4. Use the **Tuning Up / Down buttons** to select **[Recall Preset]**, then press the **Menu button**.
5. Use the **Tuning Up / Down buttons** to scroll to the

desired preset.

6. Press the **Menu button** to confirm your selection.

Listening to music via Bluetooth streaming

In order to stream Bluetooth music to your radio, you need to pair your Bluetooth device with your DDR-8. Pairing creates a 'bond' so two devices can recognize each other.

Pairing your Bluetooth device for the first time

1. Turn on the radio by pressing the **Power button**.
2. Repeatedly press the **Mode button** to select the Bluetooth mode.
The radio's display will flash "Pairing" to indicate that it is available for Bluetooth pairing.
3. Activate Bluetooth on your Bluetooth device (refer to the manual of the Bluetooth device if you are unsure about how to active Bluetooth).
4. Go to the Bluetooth list on your Bluetooth device and select the device named "DDR-8".

Note:

On some Bluetooth devices with Bluetooth version 2.1 or earlier, you might be requested to enter a pass code. If this is the case, enter the pass code "0000".

5. After the devices have paired and connected, a confirmation tone will be played on the radio and the radio's display will show the name of the connected Bluetooth device. You can now play music on your Bluetooth device and stream the music through the radio's speaker.

Notes:

- If 2 Bluetooth devices are pairing for the first time, both must search for your radio, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device won't find it on the list.
- If you take your Bluetooth device out of range, the connection between your device and the radio will be temporarily disconnected. Your radio will automatically reconnect if the Bluetooth device is brought back into range. Be aware that during the disconnection period, no other Bluetooth device can pair or link with your radio.
- If "DDR-8" 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 the 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 DDR-8.

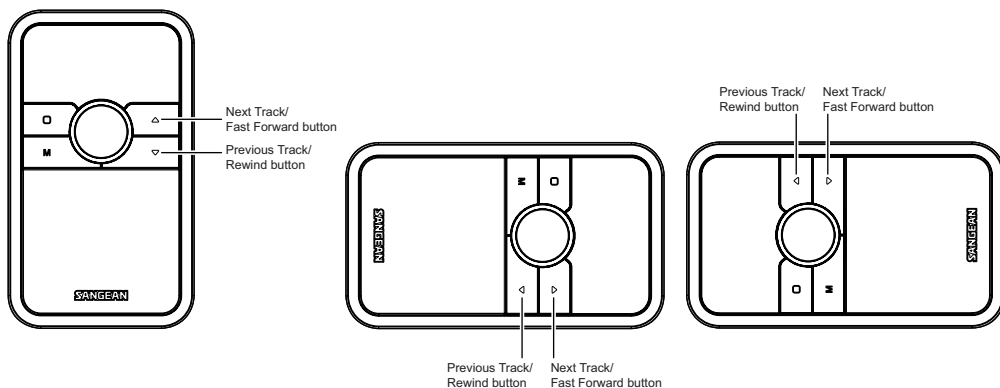
Audio playback in Bluetooth mode

When your radio is successfully connected to a Bluetooth device, you can start playing music using the controls on the connected device.

1. The volume of Bluetooth playback can be adjusted both on your Bluetooth device using its volume control and on the radio using the **Volume knob**.
2. Playback can be controlled either through the controls on your Bluetooth device or the controls on the radio. When using the radio's controls:
 - Press the **Play / Pause button** to start or pause playback.
 - Press the **Next or Previous Track button** to skip to the next or previous track.
 - Press and hold the **Fast Forward or Rewind button** to move forward or backward within a track. Release the button when the desired position is reached.

In Bluetooth mode, the functions of the **Next Track / Fast Forward** and **Previous Track / Rewind buttons** may vary depending on the orientation of the radio's display.

Please refer to the illustrations for details.



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

- Displayed information such as title, artist and album will cycle periodically.

The Bluetooth menu

You can access the Bluetooth menu by pressing and holding the **Menu button** for 2–3 seconds while in Bluetooth mode.

The Bluetooth menu offers the following options:

- **[Disconnect]:** To connect a different device, select this option. Your radio will become discoverable by other devices.

To disconnect your Bluetooth device, you can also press the **Mode button** to select any mode other than Bluetooth mode or turn off Bluetooth on your Bluetooth device.

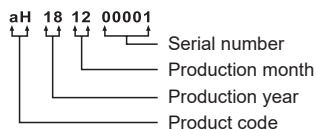
- **[Clear Pairing]:** Select this option to clear all Bluetooth pairings.

Note: In Bluetooth mode, if there is no signal output for 15 minutes, the radio will automatically turn off. To use the radio again, press the **Power button**.


Specifications

Power Requirements	
DC In	USB-C jack 5V 2.4A
Charging Current	1000mA
Built-in Battery	Rechargeable Lithium-ion 3.65V, 2600mAh, 9.49Wh.
Battery Playback Time	On a full charge, the playback time is approximately: <ul style="list-style-type: none"> ● 13 hours in DAB mode ● 14 hours in FM mode ● 18 hours in Bluetooth mode These values are approximate and may vary depending on factors such as playback volume, battery age, and temperature.
Battery Charge Time	Approximately 4 hours.
Frequency Coverage	
	FM: 87.5-108 MHz DAB: 5A-13F (174.928MHz - 239.200MHz)
Bluetooth	
Bluetooth Specification	Bluetooth® Ver 5.2
Profile Support	A2DP, AVRCP
Bluetooth Audio CODEC	SBC, AAC
Transmitting Power	Class 2
Line of Sight Range	10 meters / 30 feet
The frequency and maximum transmitted power	2402MHz ~ 2480MHz: 2.85dBm (Bluetooth EDR) 2402MHz ~ 2480MHz: 2.61dBm (Bluetooth BLE)
Circuit Features	
Speaker	2 inch (50.8mm)
Speaker Output Power	FM / DAB: 2W 3% THD @100HZ BT: 4W 3% THD @100HZ
Passive Speaker	L x W: 100 x 45mm
Headphone Socket	3.5mm dia
Antenna System	FM / DAB telescopic antenna
Operating temperature range démarrage rapide	
	0°C to 35°C

※ 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.