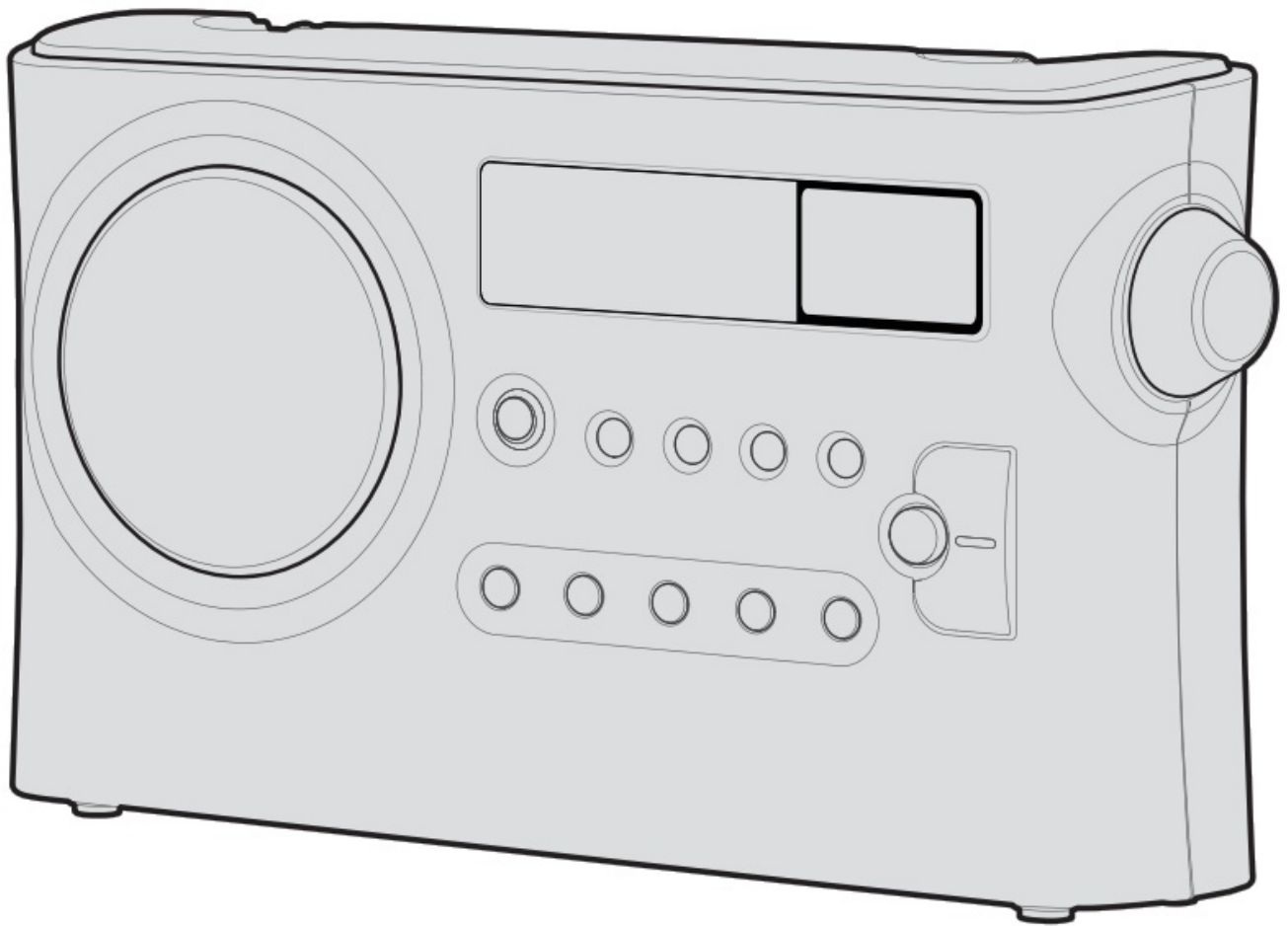




SANGEAN PR-D4BT Bluetooth Digital Tuning Radio Instruction Manual

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SANGEAN PR-D4BT Bluetooth Digital Tuning Radio



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Introduction

The Bluetooth®

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments / accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. To Reduce the Risk of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.
16. The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit.
17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.

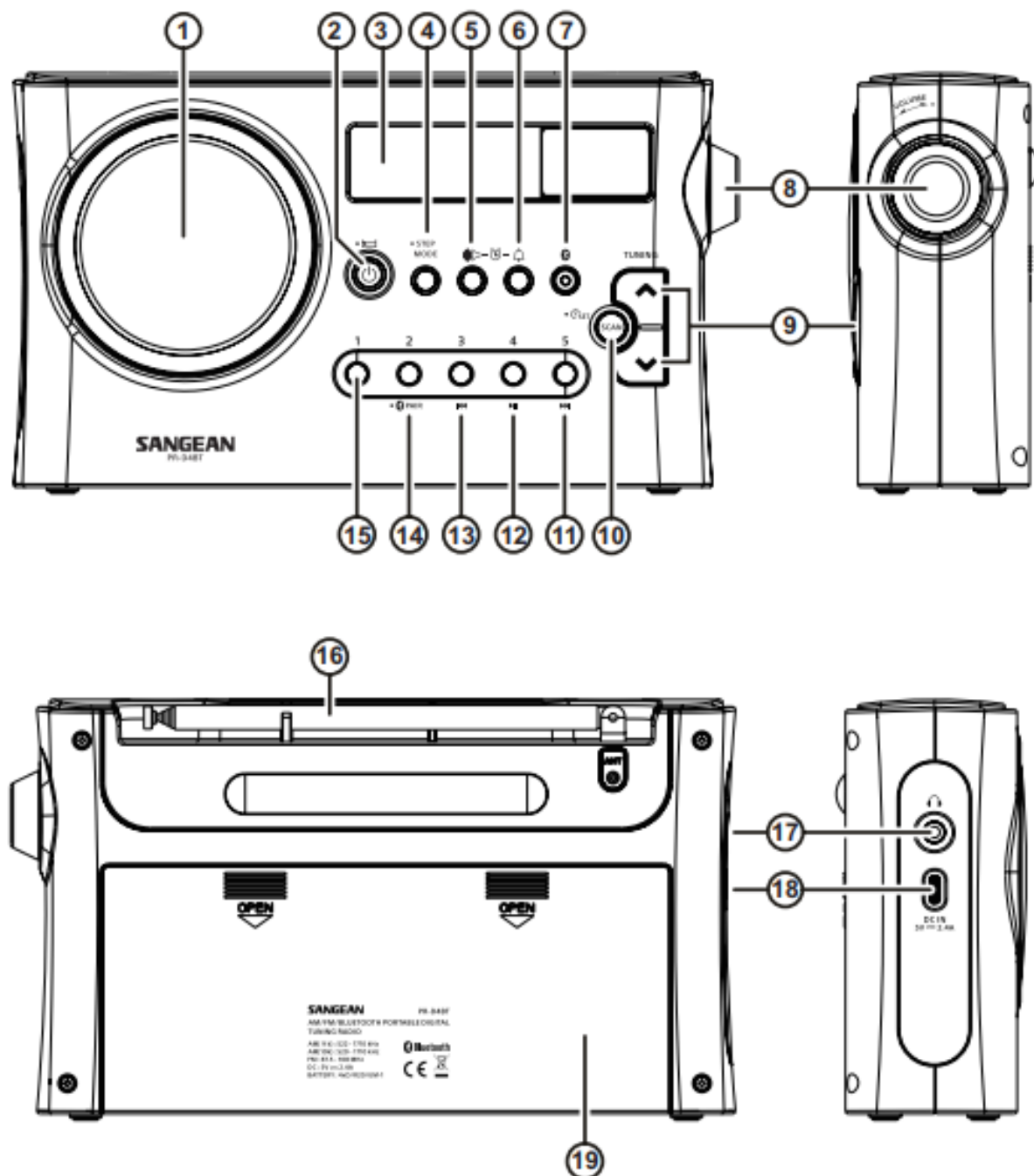
CAUTION:

Risk of explosion if the battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.

Controls

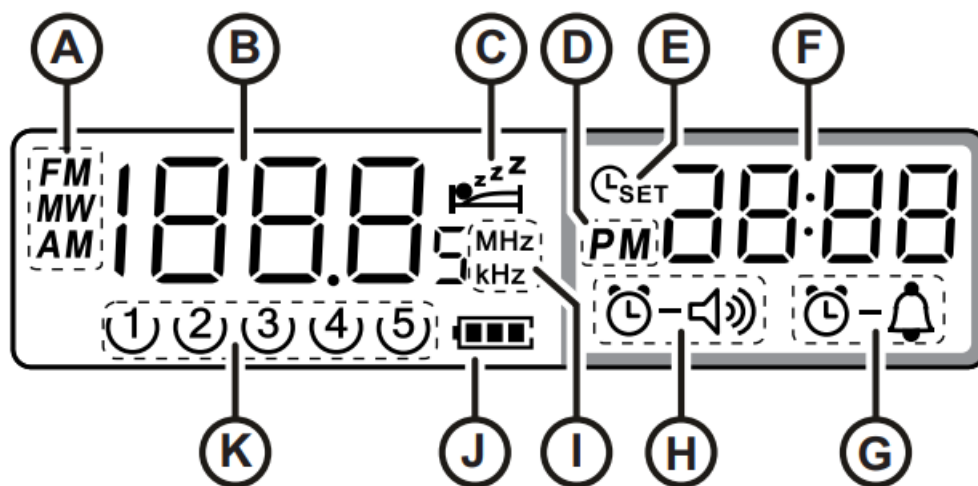
1. Speaker
2. Power (Standby) / Sleep button

3. LCD display
4. Mode / Step button
5. Radio alarm button
6. Buzzer alarm button
7. Bluetooth status indicator
8. Volume control
9. Tuning up / down button
10. Scan / Time setting button
11. Preset 5 / Next track / Fast forward button
12. Preset 4 / Play / Pause button
13. Preset 3 / Previous track / Rewind button
14. Preset 2 / Bluetooth pairing button
15. Preset 1 button
16. Telescopic antenna
17. Headphone socket
18. DC input socket
19. Battery compartment



LCD Display

- A Band indicator
- B Frequency
- C Sleep and snooze status
- D PM for clock
- E Time set
- F Clock
- G Buzzer alarm
- H Radio alarm
- I Frequency unit
- J Battery power
- K Preset stations



Battery Operation

1. Remove the battery cover on the rear of the unit by pressing the catch.
2. Insert four UM-1 (D size) batteries into the spaces in the compartment.
3. Take care to ensure all batteries are inserted with correct polarity as shown on the rear cabinet. Replace the battery cover.
4. Reduced power, distortion with stuttering sound, or the empty battery bar flashing with an "E" shown on the display could be a sign that the batteries need to be replaced.
5. 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.





Powering The Radio

Connect the supplied USB cable to the radio's DC IN socket and a USB power source supplying 5V / 2.4A.

Note:

When the radio is powered by a USB power adapter (not included), please move your radio away from the adaptor at least 60cm if your radio has any interference.

Setting The Clock

1. Clock can be set either the radio is power on or off.
2. Display will show "- : -" when the batteries are installed or when the radio is connected to the mains supply.
3. Press and hold the  button for more than 2 seconds, the display will flash time set symbol  and also the hour digits, followed by a beep.
4. Press the Tuning up / down button to set the required hours.
5. Press the  button, the minute digits will flash.
6. Press the Tuning up / down button to set required minute.
7. Press the  button to complete time setting.

Operating The Radio

This radio is equipped with three tuning methods – Scan tuning, Manual tuning and Memory presets recall.

Scan Tuning

1. Press the Power button to turn on the radio.
2. Select the required waveband by pressing the Mode / Step button. For FM band fully extend and rotate telescopic aerial to get best reception. For MW (AM) band, rotate the radio to get best signal.
3. Press and release the Scan button (long pressing the Scan button more than 2 seconds will activate time setting), the radio will up search and stop automatically when it finds a radio station. Press the Scan button again to pick up the found station.

NOTE: The radio will continue to search next available stations if you do not press the Scan button again when it finds a radio station.

4. Rotate the Volume control to get required sound level.
5. To turn off the radio, press the Power button. Display will show OFF.

Manual Tuning / Station Searching

1. Press the Power button to turn on the radio.
2. Select the required waveband by pressing the Mode / Step button. Adjust the antenna as described above.
3. A single press on either the Tuning up or down button will change the frequency in the following increments:
FM: 50 or 100kHz
MW: 9 or 10kHz
4. Press and hold either Tuning Up or Down button until the frequency in the display begins to change rapidly. Release the button. Your radio will search the selected waveband and stop automatically when it finds a station of sufficient strength.
5. Rotate the Volume control to get required sound level.
6. To turn off the radio, press the Power button. Display will show OFF.

Storing Stations In Preset Memories

There are 5 memory presets for each waveband.

1. Press the Power button to turn on the radio.
2. Tune to required station using one of the methods previously described.
3. Press and hold down the required preset button until the radio beeps. The preset number will appear in the display and the station will be stored under chosen preset button.
4. Repeat this procedure for the remaining presets.
5. Stations stored in preset memories can be overwritten by following above procedures.

Recalling stations from preset memories

1. Press the Power button to turn on the radio.
2. Select the required waveband.
3. Momentarily press the required Preset button, the preset number and station frequency will appear in the

display.

Setting The Radio Alarm

When the radio alarm is selected, the radio will turn on and play the chosen radio station at the chosen alarm time. The radio alarm will continue for one hour unless turned off by pressing the Power button. Press the Power button whilst the alarm is activated will cancel the alarm for 24 hours.

NOTE:

Radio alarm can be activated only until both radio alarm time and radio alarmed station are set.

Radio alarm will be automatically switched buzzer alarm when the radio is in low battery status or the selected radio alarm station signal is too weak.

a. Setting the radio alarm

1. The radio alarm can be set when radio is on or off. Ensure that the clock time is set correctly before setting the alarm.
2. Press and hold the Radio alarm button until the radio alarm symbol flashes on the display followed by a beep.
3. Press the Tuning up / down button to select the desired hour and press the Time setting button to confirm hour setting.
4. Press the Tuning up / down button to select the desired minute and press the Time setting button to confirm minute setting.
5. While radio alarm symbol is flashing, press the Tuning up / down to select desired wakeup band and station, then press the Time setting button to confirm the selection. Radio alarm setting is now completed.

b. When the alarm sounds

6. To cancel a sounding alarm, press the Standby button to cancel a sounding alarm.

c. Disabling / cancelling alarm setting

7. To cancel the radio alarm setting, press and hold the Radio alarm button for 2 seconds (followed by a beep) before the alarm sounds off.

NOTE:

If new radio alarm station is not selected, it will select the last alarm station.

Setting the HWS (Humane Wake System) buzzer alarm

A beep tone will activate when selecting the HWS alarm. The alarm beep will increase in volume every 15 seconds for one minute followed by one minute silence before repeating the cycle. The HWS alarm will sound for one hour until turning off by pressing the Power button. Press the Power button whilst the alarm is activated will cancel the alarm for 24 hours.

a. Setting the buzzer alarm

1. The buzzer alarm can be set when radio is on or off. Ensure that the clock time is set correctly before setting the alarm.
2. Press and hold the Buzzer alarm button until the buzzer alarm symbol flashes on the display followed by a beep.
3. Press the Tuning up / down button to select the desired hour and press the Time setting button to confirm hour setting.
4. Press the Tuning up / down button to select the desired minute and press the Time setting button to confirm minute setting. Buzzer alarm setting is now completed.

b. When the alarm sounds

5. To cancel a sounding alarm, press the Standby button to cancel a sounding alarm.



- c. Disabling / cancelling alarm setting
6. To cancel the buzzer alarm setting, press and hold the Buzzer alarm button for 2 seconds (followed by a beep) before the alarm sounds off.

Snooze Function

1. Whilst the alarm is activated, press any buttons except the Power button will active the snooze function. The radio or HWS buzzer alarm will be silenced with interval of 5 minutes.
2. The display will flash both the snooze symbol **z z Z** and the alarm symbol. The snooze function can be repeated within 1 hour while alarms are active.

Sleep Function

The sleep timer will automatically switch off the radio after a preset time has elapsed.

1. Press and continue to hold down the Power button for more than 2 seconds, followed by beep tone, the display will cycle through the available sleep times in the order 60-45- 30- 15-120-90-60. Release the Power button when the required sleep time appears in the display. The symbol  will appear in the display and the radio will play the last station selected.
2. To cancel the sleep function, press the Power button, the  symbol will disappear and radio is off.

Display Backlight

Press any buttons will illuminate the LCD display for approx. 10 seconds. During scanning stations and alarm activated, will also automatically illuminate the display

Software Version

The software display cannot be altered and is just for your reference.

1. Turn off the radio.
2. Press and hold the Mode / Step button for 2 seconds until the software version number (e.g. xxx) shows on the display.

Time Format

1. After the software version is shown on the display, keep long pressing the Mode / Step button until “24H” or “12H” is shown on the display followed by a beep.
2. Press the Tuning up / down button to choose the desired selection and press the Mode / Step button to confirm the setting.

Setting Tuning Step

1. After the time format setting is completed, the display will switch to tuning step setting. Press the Tuning up /

down button to choose the desired FM tuning step (50kHz or 100kHz) and press the Mode / Step button to confirm the setting.

2. After the confirmation of FM tuning step, press the Tuning up / down button to choose the desired AM tuning step (9kHz or 10kHz) and press the Mode / Step button to confirm the setting.

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. Make sure your radio is switched off.
2. Press and hold the Preset 5 button and the Power button together until “dEF” appears and flashes on the display. Continue to hold these 2 buttons until all the icons are shown on the display. Now the factory reset is completed.

Headphone socket

A 3.5mm headphone socket located on the left hand of your radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal speaker.

WARNING:

Excessive sound pressure from earphones and headphones can cause hearing loss.

Listening to music via Bluetooth streaming

You need to pair your Bluetooth device with your radio before you can auto-link to play streamed Bluetooth music through your radio. Pairing creates a “bond” so two devices can recognize each other.

Pairing and playing your Bluetooth device for the first time

1. With your radio switched on, press the Mode / Step button to select Bluetooth function. The Bluetooth LED indicator on the radio will flash a fast blue to show the radio is discoverable.
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 “PR-D4BT” (With some Smartphone’s that are equipped with earlier versions than BT 2.1 Bluetooth device, you may need to input the pass code “0000”).
3. Once connected, there will be a confirmation tone sound and the Bluetooth LED indicator will turn a solid blue. You can simply select and play any music from your source device. The volume control can be adjusted from your source device, or directly from the radio.
4. Use the controls on your Bluetooth-enabled device or on the radio to play / pause and navigate tracks.

NOTE:

- 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 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 “PR-D4BT” 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.
- 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 radio.

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

Playing a previously paired Bluetooth source device

The radio can memorize up to 6 sets of paired Bluetooth source devices. When the memory exceeds this amount, the earliest pairing device will be overwritten from the device. If your Bluetooth source device already paired with the radio 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.

Disconnecting your Bluetooth device

Press and hold the Bluetooth pairing button for 2-3 seconds to disconnect with your Bluetooth device. You can also press the Mode / Step button to select any mode other than Bluetooth mode or turn off Bluetooth on your Bluetooth source device to disable the connection.

If you disconnect the Bluetooth device in the Bluetooth mode, there will be a confirmation tone sound and the Bluetooth LED indicator on the radio will flash a fast blue to show the radio is discoverable again for pairing.


Specifications

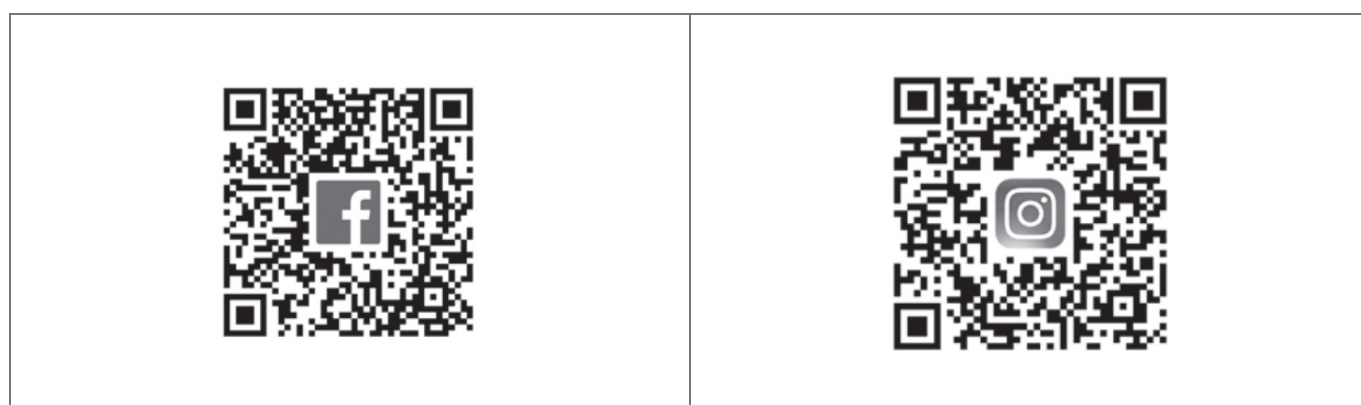
Power Requirements	
USB Power Cable	USB Type-A to Type-C (included)
USB Power Adapter	DC 5V / 2.4A (Not included)

Batteries	4 x UM-1(D size)
Battery Life	Approx. 170 hours of listening for 4 hours a day at normal volume using alkaline cells
Frequency Coverage	
FM	87.50-108 MHz
MW	522-1710 kHz (9kHz / step) or
	520-1710 kHz (10kHz / step)
Bluetooth	
Bluetooth Specification	Bluetooth™ 5.0 + EDR
Profile Support	A2DP, AVRCP
Bluetooth Audio Codec	SBC
Transmitting Power	Power Class 2
Line of Sight Range	10meters / 30feet
The Frequency And Maximum Transmitted Power 2402MHz – 2480MHz	1.83dBm (Bluetooth EDR)
	1.80dBm (Bluetooth LE)

Circuit Feature	
Louds Speaker	3inches 4ohm
Output Power	800mW
Headphone socket	3.5mm dia.
Antenna System	FM telescopic antenna
	MW (AM)built-in ferrite antenna



 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)



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Documents / Resources



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Radio, Radio

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