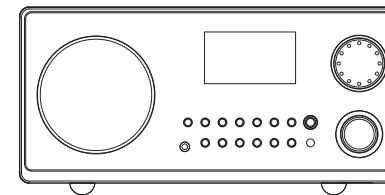


# HDR-18



**GB**

Revision 2



HD Radio technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio and “Arc” logos are proprietary trademarks of iBiquity Digital Corp.

**VERY IMPORTANT PLEASE READ**

Sangean suggest that you keep your AC Adapter at least 12 inches away from the radio while listening to the AM Band.

Your Sangean Radio is powered by an AC adapter which is a “switching” or “switch-mode” type. The DOE (Department Of Energy) has a Federal mandate; requiring all manufactures to use this type of power supply. This newer power saving technology has the unfortunate side effect of causing interference to the AM radio band.

Therefore, we recommend that customers keep at least a 1 foot distance between the AC adapter and the radio. This interference will not affect the FM Band. If you have any questions please contact customer service at (888)726-4326, (562)941-9900 or [service@sangean.com](mailto:service@sangean.com)

If an AC adapter isn't included in this model and if you wish to purchase an AC Adapter separately, please refer to the specifications for the AC Adapter stated on the final page of the manual, or please contact Sangean for the correct AC Adapter and specifications.

To learn more about the DOE mandate please visit [http://www1.eere.energy.gov/buildings/appliance\\_standards/product.aspx/productid/23](http://www1.eere.energy.gov/buildings/appliance_standards/product.aspx/productid/23)

**IMPORTANT NOTE:**

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device, and all warranties.

**CAUTION:**

To reduce the risk of the electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to so.

Please note not all AC adapters are alike.

The AC adapter that is included with this radio is designed to be used exclusively with this device. Do not use an AC adapter that differs from the specifications on the AC adapter that is included.

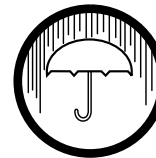
If an AC adapter is NOT included with your radio and in order not to damage the unit and void your warranty, specifications for the AC Adapter are stated on the final page of the manual, or please contact Sangean for the correct AC Adapter and specifications. For customers in the US and Canada, please call 888-726-4326. For all other areas, please contact us via [info@sangean.com.tw](mailto:info@sangean.com.tw).

Do not use an AC adapter that does not meet the correct specifications.

## Cautions

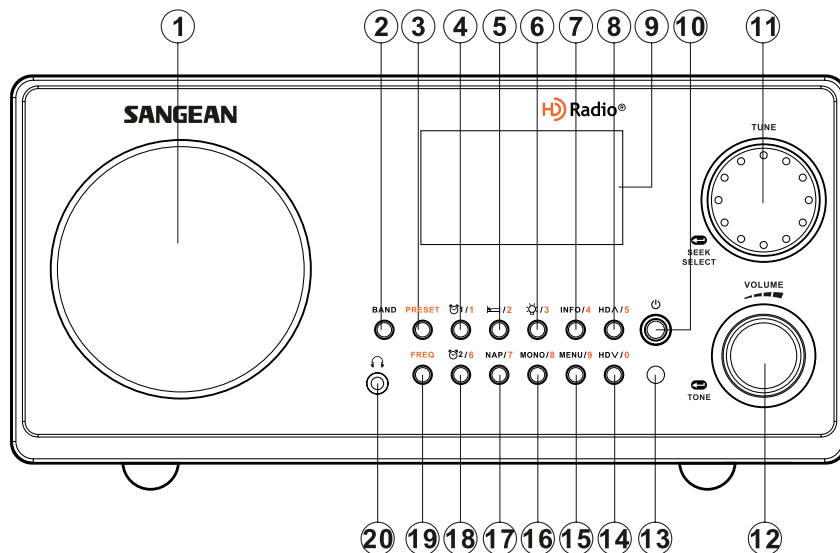
Do not allow this radio to be exposed to water, steam or sand. Do not leave your radio where excessive heat could cause damage such as in a parked car where the heat from the sun can build up even though the outside temperature may not seem too high.

- Your radio should not be exposed to dripping or splashing water and that no objects filled with liquids, such as vases, shall be placed on the radio.
- It is recommended to operate the product such that there is a minimum distance (4" recommended) to adjacent objects in order to ensure good ventilation.
- The ventilation of the product should not be restricted by covering it or its ventilation openings with items such as newspapers, tablecloths, curtains etc.
- No open flame sources such as lighted candles should be placed on the product.
- It is recommended to avoid using or storing the product at extreme temperatures. Avoid leaving the unit in cars, on window sills or in direct sunlight etc.



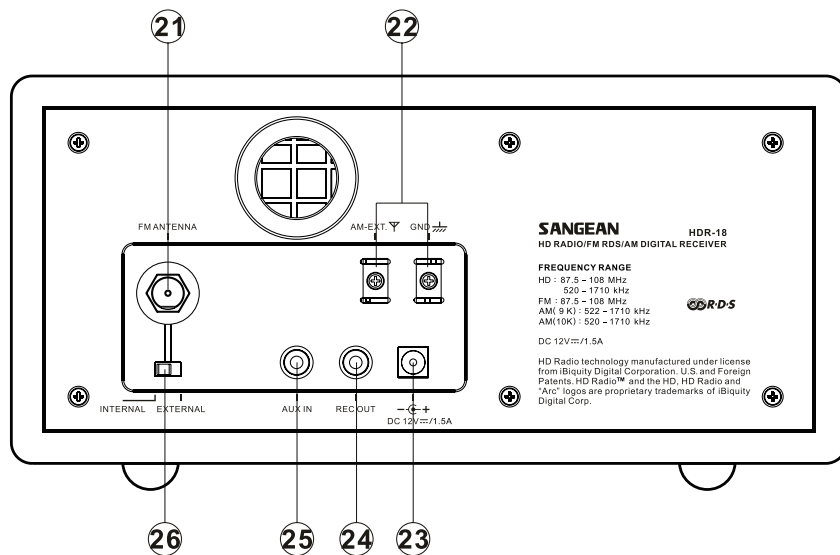
GB

## Control



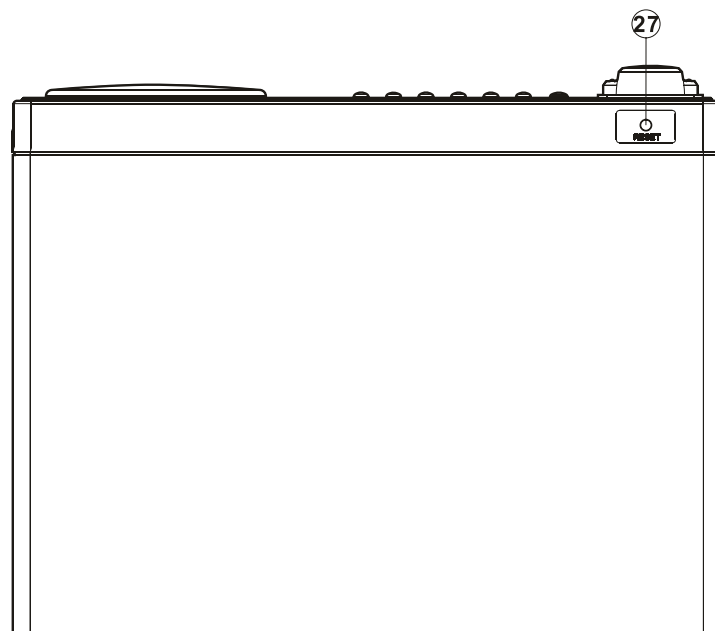
1. Speaker
2. Band button
3. Preset button
4. Alarm 1 button/Presets 1
5. Sleep timer button/Presets 2
6. Dimmer button/Presets 3
7. Info button/Presets 4

8. HD seek up button/Presets 5
9. LCD display
10. Standby button/Power button
11. Tuning control/Select/FM/AM Seek button
12. Volume control/Tone control
13. Remote control sensor
14. HD seek down button/Presets 6
15. Menu button/Presets 9
16. Mono button/Presets 8
17. Nap timer button/Presets 7
18. Alarm 2 button/Presets 6
19. Frequency button
20. Headphone socket



- 21. External F-type FM antenna terminal
- 22. External AM antenna terminal
- 23. DC IN socket
- 24. REC out socket
- 25. AUX IN socket
- 26. External/Internal antenna switch

## Control



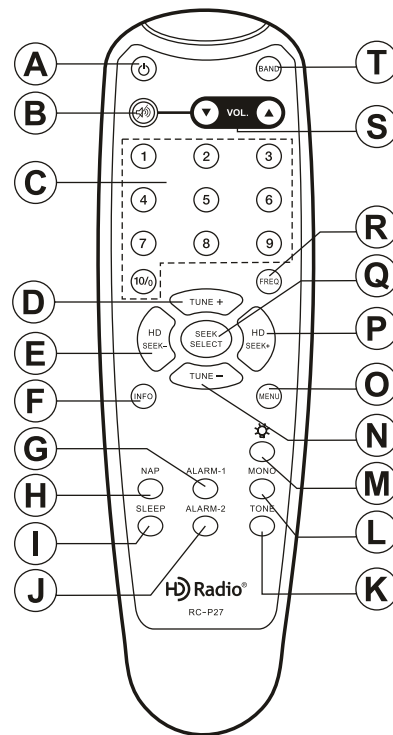
27. Reset

## Remote control

- A. Standby button/Power button
- B. Mute button
- C. Key pad button 1-10/0
- D. Tuning up button
- E. HD seek down button
- F. Info button
- G. Alarm 1 button
- H. Nap timer button
- I. Sleep timer button
- J. Alarm 2 button
- K. Tone button
- L. Mono button
- M. Dimmer button
- N. Tuning down button
- O. Menu button
- P. HD seek up button
- Q. (FM/AM) Seek button/Select button
- R. Frequency button
- S. Volume up/down button
- T. Band button

### IMPORTANT:

Batteries should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should be taken to a suitable recycling centre. On no account should batteries be disposed of by incineration. Do not leave batteries within reach of young children, they can be a choking hazard.



## Power your radio

The AC power adaptor required for this unit should be 12 volts DC at 1.5A center pin positive.

Insert the adaptor plug into the DC socket on the rear of the radio. Plug the adaptor into a standard AC outlet.

### **IMPORTANT:**

The AC adaptor is used as the means of connecting the radio to the power supply. The AC Adapter used for the radio must remain accessible during normal use in order to disconnect the radio from the power supply completely, the AC Adaptor should be removed from the power supply outlet completely.

## Antenna setup for FM reception

This radio comes with a built-in AM/FM antenna and has external antenna connections.

To use the FM internal antenna, make sure to switch FM external/internal antenna switch in the back of your radio to internal antenna position (i.e. INTERNAL). As for external antennas, there are two types of antennas that can be used to improve FM reception.

You can connect the supplied FM antenna to the F-type antenna terminal and adjust the telescopic aerial for best reception.

You can also connect a 75 ohm coaxial cable of an outdoor antenna to the terminal.

Make sure to switch external/internal antenna switch to external position after connecting an external antenna.

### **Note:**

In some of the European countries, you may have to use an adaptor plug to connect with the outdoor/rooftop antenna in case your antenna has a different type of plug.

## Antenna setup for AM reception

This radio comes with a built-in AM Ferrite antenna which should be enough for normal listening. To improve the AM reception, you may connect an external AM antenna (not supplied) to the AM external antenna terminal on the back of the unit.

### **Important:**

If you choose to use an AM loop antenna ensure it's located at least 20" away from the receiver to avoid possible interference.

## Setting the clock

Clock setting can be done when the receiver is on or in Standby Mode (power off).

## Setting the clock manually

1. Repeatedly press the Menu button until 'Clock Update' is shown on the display.
2. Rotate the Tuning control knob to select 'Manual' and press the Tuning control knob to enter the clock time setting. The hour digit will be highlighted on the display.
3. Rotate the Tuning control knob to set the desired hour. Then press the Tuning control knob to confirm the setting. The minute digit will be highlighted on the display.
4. Rotate the Tuning control knob to set the desired minute and press the Tuning control knob to confirm the setting. Now the month digit will be highlighted on the display.
5. Follow the steps above to set the month/day/year setting. When the clock time setting is completed, your radio will exit the menu.



## Auto clock set mode

1. Repeatedly press the Menu button until 'Clock Update' is shown on the display.
2. Rotate the Tuning control knob to select 'Auto' and press the Tuning control knob to confirm the setting. Your radio will synchronize its clock time whenever it tunes to a radio station using RDS with CT signals.

## Setting the time format

1. Repeatedly press the Menu button until 'Set 12/24 hour' is shown on the display.
2. Rotate the Tuning control knob to select 12 or 24 hour format. The selected format is used in standby mode, on the playing mode screen and when setting the alarms.

## Operating the radio

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

## Scan tuning FM / AM

1. Make sure the FM antenna is set up in advance and internal or external switch is selected.
2. Press the Standby button to switch on your radio.
3. Press the Band button repeatedly to select the desired frequency band.
4. To scan up in frequency, first rotate the Tuning control knob in a clockwise direction and then press the Tuning control knob. 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, first rotate the Tuning control knob in a anti-clockwise direction and then press the Tuning control. Your radio will scan in a downwards direction and stop automatically when it finds a station of sufficient strength.
5. After a few seconds the display will update. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS/RBDS data present then the radio will display the station name.

## Manual tuning – FM / AM

1. Press the Standby button to switch on your radio.
2. Press the Band button repeatedly to select the desired frequency band.
3. Rotate the Tuning control knob to tune to a station. The frequency will change in steps of 50kHz/100kHz/200 kHz in FM or 9 kHz/10 kHz in AM.
4. When the frequency band end is reached the radio will recommence tuning from the opposite frequency band end.
5. Adjust the Volume control to the desired volume settings.
6. To switch off your radio press the Standby button.

### Note:

If your radio has any interference in the AM band because of its adaptor, please move your radio away from its AC adaptor at least 12".

## Presetting stations

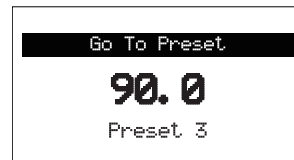
There are 10 presets each for FM and AM radio. They are used the same way for each operating mode.

1. Press the Standby 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 and hold the Preset button and the display will show "Preset Store".
4. Press and release the required preset number button. You will hear a beep and the station will be stored under the chosen preset. The display will show "Preset 3 stored", for example. Repeat this procedure as needed for the remaining presets. Alternatively, you can rotate the Tuning control knob to choose your required preset number and press the Tuning control knob to confirm your selected preset number.
5. Stations which are already stored in the presets may be overwritten by following the above procedure.



## Recalling a preset station

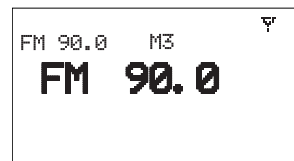
1. Press the Standby button to switch on your radio.
2. Select the required operating mode using the Band button.
3. Momentarily press the Preset button and then press the required preset number. Your radio will then tune to the station stored in the selected preset memory. The chosen preset number is shown in the upper area of the radio display, e.g. 'M3'. Alternatively, you can press the Preset button and rotate the Tuning control knob to select your required preset number. Then, press the Tuning control knob to tune to the station stored in the selected preset memory.



## Direct Entry Tuning

You can directly tune to a radio station by entering the station frequency.

For example, to tune to station 93.3 FM, press the Band button to select the FM band followed by pressing the FREQ button and the numerical buttons 9-3-3. To tune to 1120 AM, press the Band button to select the AM band, followed by pressing the FREQ button and the numerical buttons 1-1-2-0. The display will show 'Error' if the input frequency is incorrect or out of coverage.



## Stereo / Mono switching

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. Press the Band button as needed to select FM radio mode and tune to the required FM station as previously described.
2. Press the Mono button to switch to mono or stereo.

## Tuning region

Your radio can be configured for any one of the four international tuning regions.

1. Press the Band button to select your required frequency band.
2. Repeatedly pressing the Menu button until 'Tuning Region' is shown on the display.
3. Rotate the Tuning control to select your required tuning region and then press the Tuning control knob to confirm your selection.

Region A (Most countries) FM: 87.5-108, 100 kHz	Region A (Philippines, Romania) AM: 522-1710, 9kHz
Region B (US, Mexico, Canada) FM: 87.5-107.9, 200kHz	Region B (US, Mexico, Canada) AM: 520-1710, 10kHz
Region C (Most countries) FM: 87.5-108, 50 kHz	Region C (SE Asia) AM: 522-1620, 9kHz
Region D (Brazil, Japan) FM: 76-108, 100kHz	Region D (Brazil) AM: 522-1629, 9kHz

## Receiving HD Radio stations

When the radio is tuned to an HD Radio station, the HD Radio logo will flash in the display, indicating that the signal is blending from analog to digital. Once the receiver acquires the HD Radio signal, the HD Radio logo will remain solid on the screen.

## Receiving Multicast Stations

When the radio is tuned to an HD Radio station, it will determine that one or more Multicast stations are available and "HD1+", for example, may appear on the display. "HD1" indicates the number of the current multicast program and plus (+) means that additional HD Radio programs are available. Rotate the Tuning control knob on the radio (or press the Tuning up/down button on the remote control) to tune to HD2/HD3 Multicast channel.

## HD SEEK function

Using the HD Seek Up/Down button, the radio will seek to the next available HD Radio station. This function will also scan to the Multicast program if available.

Press and release the HD Seek Up/Down button will tune to the next available HD Radio station of sufficient signal strength.

## Emergency alert (EA)

Emergency Alerts (EA) is a warning system used by broadcasters to notify listeners about potential hazardous situations related to extreme weather, floods, infrastructure failures, amber alerts (child abductions), and more.

Your Radio must be in a location that allows for adequate reception of audio and data services and tuned to a station that provides the Emergency Alerts.

When enabled, the Emergency Alerts feature allows audio and text-based alerts to be played or displayed by the radio; the alerts can also awaken the radio from standby mode.

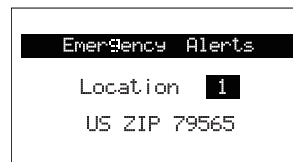
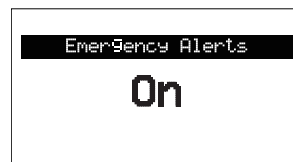
### Emergency alerts setting

1. Press the Standby button to switch on your radio and press the Band button to select FM or AM radio mode. Then repeatedly press the Menu button until 'Emergency Alerts' is shown on the display.
2. Rotate the Tuning control knob to select 'Off' or 'On'. To disable the Emergency Alerts feature, select 'Off' and then press the Tuning control knob to confirm the setting. The display will exit the menu. With 'On' selected, press the Tuning control knob to enter the Emergency Alerts Location setting.
3. Rotate the Tuning control knob to select your required location setting.

**If you choose 'Off':** all the alerts that are broadcast within the radio's range will be received. The default setting is 'Off'. Press the Tuning control knob to confirm the setting. The display will exit the menu.

**If you choose 'On':** you can define the location, then the receiver will display text alerts (or awaken the radio from standby mode) only when the received data included location-matching alerts. If location data is not included in the received data, then the receiver disregards the locations that are defined in the receiver. Press the Tuning control knob to confirm the setting.

4. Now you choose your required location preset you would like to setup. Rotate the Tuning control knob to highlight your required location preset and press the Tuning control knob to confirm your selection. Up to 10 locations can be saved.



5. There are three options for Alert Location: State/ County, Zip and Off. Rotate the Tuning control knob to select your desired Alert Location option and then press the Tuning control knob to enter the setting.

**If State/County was selected:**

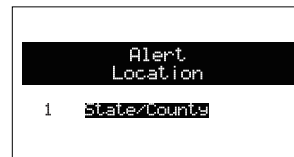
- 1) Rotate the Tuning control knob to change the State and press the Tuning control knob to confirm the setting.
- 2) Rotate the Tuning control knob to change the County and press the Tuning control knob to confirm the setting.

**If Zip was selected:**

Rotate the Tuning control knob to select the digit (+ -) and press the Tuning control knob to move the (+ -) to the next digit. Continue to change all of the digits in the Zip. Press the Tuning control knob to confirm the setting.

**If Off was selected:** the current Location preset will be disabled.

6. After completing your EA setting, it is necessary to tune to an HD Radio station (AM or FM) which supports Emergency alerts (it is indicated with 'Steady up-pointing triangle (△)' on the top right corner of the screen), in order to receive an alert. If you want to receive the EA in the Standby mode, make sure the radio is in an environment that it can receive HD Radio broadcast signals properly. Please note that EA can only be received when the radio is in AM/ FM and in the Standby mode.

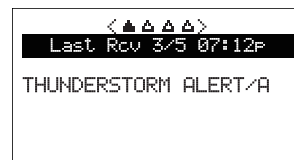


## When your radio detects an EA

Once the radio detects an alert, it will sound an alert tone, display the alert category (e.g., Weather, Hazmat, etc.), and scroll the alert text.

Repeatedly press the Info button to view the "Emergency Alerts History".

Use the HD Seek up/down buttons to scroll through the history, which contains the five most recent Emergency alerts.



## Snoozing and ignoring an EA

Once the alert is triggered, the EA will remain on the display until the user snoozes or ignores the alert by pressing any button. The EA will be shown in the “Emergency Alerts History” after snoozing/ ignoring is activated.

**Snooze an EA:** Press and release any button other than the Standby button will snooze the EA for 10 minutes. Before the “snooze” time has expired, no alert functionality will be triggered. However, if a new alert message is received, “snooze” will be cancelled immediately.

**Ignore an EA:** Press and hold any button or press and release the Standby button will ignore the EA for 12 hours .Before the “ignore” time has expired, no alert functionality will be triggered. However, if a new alert message is received, “ignore” will be cancelled immediately.

## Indicators for Emergency alerts

**Your radio may display various EA indicators on the top right corner of the display.**

Exclamation mark (!)	Emergency Alerts feature is disabled
Steady up-pointing triangle (△)	Current station supports Emergency Alerts
Flashing up-pointing triangle(△)	Emergency Alerts message “ignored”
Alternating up- down triangle (⇅)	Emergency Alerts message “snoozed”
Flashing up-pointing test indicator (⚠)	Test Alerts message OK and “ignored”
Alternating up-down test indicator (⚠)	Test Alerts message OK and “snoozed”

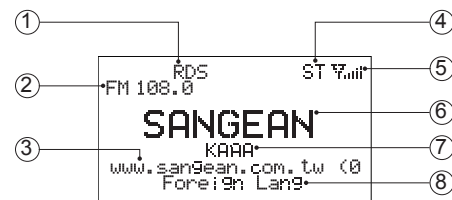
## Display options

Press the Info button to cycle through the various modes.

### a. Radio display

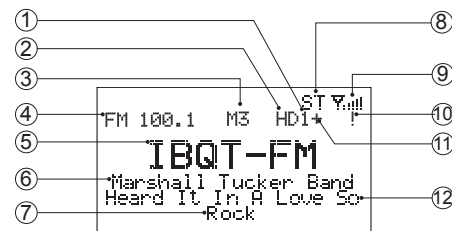
#### RDS status

①	RDS indicator	⑤	Signal strength indicator
②	Station Frequency	⑥	Station name
③	Radio Text	⑦	Call sign
④	Stereo indicator	⑧	Program type



#### HD Radio status

①	Multicast set index	⑦	Program type
②	HD Radio indicator	⑧	Stereo indicator
③	Preset number	⑨	Signal strength indicator
④	Station Frequency	⑩	Emergency alerts indicator
⑤	Station name	⑪	Plus (+) indicator: additional HD Radio stations are available
⑥	Artist	⑫	Title



**b. Guide mode (If the radio is tuned to an HD Radio station with Multicasts)**

**d. Clock**

**e. Emergency Alerts History (if alerts have occurred)**

## Setting the alarm clock

Your radio has 2 separate alarms which can be set to wake you to FM, AM or buzzer. Each alarm can be set to sound once, daily, on weekdays or weekends. The alarms can be set whether the radio is in use or in standby mode. Ensure that the time is set correctly before setting the alarms.

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

1. Press and hold the Alarm 1 button, for example, until you hear a beep. "Alarm 1" will show on the display.
2. Rotate the Tuning control knob to select 'On' or 'Off'. If 'Off' is selected any current setting for that alarm will be cancelled. With 'On' selected, press and release the Tuning control knob to cause the alarm hour digits to highlight on the display.
3. Rotate the Tuning control knob to choose the desired hour for the alarm and press the Tuning control knob to cause the minute digits to highlight on the display.
4. Rotate the Tuning control knob to choose the desired minute for the alarm and press the Tuning control knob to confirm the setting. The display will show the frequency options for the alarm.

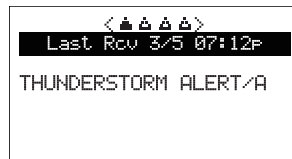
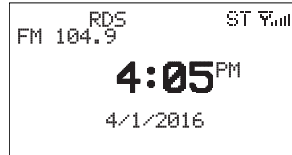
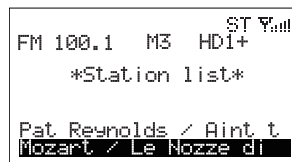
'Once'- the alarm will sound once

'Weekdays'-the alarm will sound on weekdays only


'Weekends'- the alarm will sound only at weekends

'Daily'-the alarm will sound everyday

Rotate the Tuning control knob to select your required frequency and press the Tuning control knob to confirm your setting.







5. Rotate the Tuning control knob to choose the desired source for the alarm (FM, AM or BUZZER). Press the Tuning control knob to confirm the setting. If setting alarm to Buzzer proceed to step 7.
6. When selecting the alarm for FM or AM, rotate the Tuning control knob to choose your required wake-up station or press the desired Preset button (1-10). Then press the Tuning control knob to confirm your selection.
7. Rotate the Tuning control knob to choose your desired volume and press the Tuning control knob to confirm the setting. Your radio will show 'Alarm 1 Saved' for instance and exit the alarm setting screen. The 'Alarm 1' indicator  will show on the display.
8. To view or quick change the On/Off status of the alarm, press and release the Alarm 1 (or Alarm2) button.

## When the alarm sounds

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

When the buzzer alarm activates, the alarm will start softly and gradually increase in level. It will sound for 1 minute and silence for 1 minute in repetition for 60 minutes unless cancelled.

When the radio alarm is activated, the alarm will go off in Humane Waking System. It will increase its volume from 0 to your set volume.

The 'Alarm 1' indicator  or 'Alarm 2' indicator  will highlight on the display.

## Disabling/canceling alarm setting


To cancel the alarm setting before the alarm sounds, firstly, press the corresponding alarm button (i.e. alarm 1 or alarm 2 button) to enter the alarm setting screen and then press the same button again to highlight 'Off'. The alarm indicator will disappear from the screen and the chosen alarm will now be disabled.

## Snooze

The buzzer or radio alarm can be silenced for 5 minutes by pressing any button other than the Standby button. In order to cancel the Snooze timer while the alarm is suspended, press the Standby button.

## 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 180 minutes.

1. Press and hold the Sleep timer button to enter the sleep setup. 'Set sleep time' will appear on the display.
2. Rotate the Tuning control knob to select the desired sleep time . The options are 60, 90, 120, 150, 180, off, 15, 30. Press the Tuning control knob to confirm the setting. Use the Off option to cancel the sleep function. Your radio will switch into standby mode after the preset time has elapsed. An active sleep timer is shown using a sleep timer indicator () on the playing display. To view the remaining time of an active sleep timer setting, press the sleep timer button.
3. To cancel the sleep time before the preset time has elapsed and to turn off the radio, press the Standby button to turn the unit off manually. To cancel the sleep timer and leave the radio playing, go back to the sleep timer settings (step 1 to 2) and select the Off option in step 2.
4. You can view or change the On/Off status of the Sleep timer by pressing the Sleep timer button.

## Nap timer

1. Press and hold the Nap timer button to enter the adjustment mode.
2. Rotate the Tuning control knob to select your desired Nap time (1-120 minutes).
3. Press the Tuning control knob to confirm the setting. 'NAP' symbol will show on the display.
4. To view the remaining time of an active timer setting, press the Nap timer button. To cancel a sounding Nap timer, press the Standby button. If any button other than the Standby button is pressed when the alarm is sounding, snooze function will be activated. To cancel the function when countdown is progressing, go to nap timer setting menu and select 'Off'.
5. You can view or change the On/Off status of the Nap timer by pressing the Nap timer button.

## Tone control- treble and bass

You can set up a custom treble and bass setting to your liking.

1. Make sure your radio is turned on. Press the Volume control knob to enter the bass adjustment mode.
2. Rotate the Volume control knob until the desired level (between -5 and +5) is displayed. The sound will change as you adjust the level. Press the Volume control knob to confirm the setting. You will enter the treble adjustment mode.
3. Rotate the Volume control knob until the desired level (between -5 and +5) is displayed. Press the Volume control knob to confirm the treble setting.

## Loudness

You can get compensation on lower and higher frequency for your radio by adjusting the Loudness function.

1. Repeatedly pressing the Menu button until 'Loudness' is shown on the display.
2. Rotate the Tuning control knob to select 'On' to turn on the loudness function or 'Off' to turn off the function.
3. Press the Tuning control knob to confirm the setting.

## Contrast

The contrast of the display can be adjusted.

1. Repeatedly pressing the Menu button until 'Contrast' is shown on the display.
2. Rotate the Tuning control knob to adjust the contrast. The contrast level indication on the screen will change at the same time. When you find the setting that gives the best legibility for the location in which the radio is used, press the Tuning control knob to save the setting.

## Language

Your radio can be configured to a different language.

1. Repeatedly pressing the Menu button until 'Language' is shown on the display.
2. Rotate the Tuning control knob to select your required language.
3. Press the Tuning control knob to confirm your selection. The display will change to the chosen language.

## Brightness control

The brightness of the display can be adjusted when the radio is in Standby mode or when it is in use.

In order to adjust the intensity of the display to suit the ambient room lighting, press the Dimmer button to adjust your required brightness level.

## Auxiliary input socket

A 3.5mm Auxiliary input socket is provided on the rear of your radio to permit an audio signal to be fed into the unit from an external audio device such as an iPod, MP3 or CD player.

1. Press the Standby button to switch on your radio.
2. Connect a stereo or mono audio source (for example, iPod, MP3 or CD player) to the Auxiliary input socket (marked 'AUX IN').
3. Press the Band button to select AUX IN mode and the display will show 'Auxiliary Input'.
4. Adjust the Volume control on your iPod, MP3 or CD player to ensure an adequate signal and then adjust the volume on the radio for comfortable listening.

## AUX IN input level attenuation

The input level attenuation is to allow input level reduction if the signal from external device is too strong.

**Note:** remote control unit is not applicable for this operation.

1. Press Band button to select Aux in mode.
2. Repeatedly press the Menu button until 'Attenuation' is shown on the display.
3. Rotate the Tuning control knob to select Attenuation on or off.  
If 'ON' is selected, the input signal will be attenuated.

## Headphone socket

A 3.5mm Headphone socket located on the front of your radio is provided for use with headphones. Inserting headphones automatically mutes the internal loudspeaker.

Please be aware that the sensitivity of headphones can vary widely. We therefore recommend setting the volume to a low level before connecting headphones to the radio.

### IMPORTANT:

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



## Rec-out socket

On the rear of your radio a Rec-out socket is provided for use with a tape recording/mini disc or to allow connection to line input of a Hi-Fi system.



The signal on the Record out socket is unaffected by the volume control.

## Software version

The software version display cannot be altered and is just for your reference. With the radio on repeatedly press the Menu button until 'Host Version' and 'DSP Version' are shown on the display and you can view the software version on the display.

## Mute function

Press the Mute button on the remote control; it will mute the output from the loudspeakers.

1. Press the Mute button to mute the sound output. The mute symbol  will show on the display.
2. Press the Mute button again or one of the Volume buttons on the remote control, or rotate the Volume control knob on the radio to unmute the sound output. The mute symbol  will disappear on the display.

## Reset the radio

If your radio fails to operate correctly or some digits on the display are missing or incomplete, please carry out the following procedure.

1. With the radio on or in Stand-By mode repeatedly press the Menu button until 'Factory Reset' is shown on the display.
2. Rotate the Tuning control to select 'Yes' to erase all saved settings and all settings will revert to factory default settings.
3. You can also reset your radio by inserting a toothpick or paperclip into the reset hole located on the bottom of your radio. Simply insert the toothpick and press the internal button once to reset your radio.

## Specifications

### Power requirements

#### Mains Power Supply:

AC 100~240 volts, 50 Hz-60 Hz DC 12V 1.5A only (switching adaptor)

#### Remote Control Battery: UM-4(AAA) \* 2

### Frequency Coverage

Region A (Most countries) FM: 87.5-108, 100 kHz	Region A (Philippines, Romania) AM: 522-1710, 9kHz
Region B (US, Mexico, Canada) FM: 87.5-107.9, 200kHz	Region B (US, Mexico, Canada) AM: 520-1710, 10kHz
Region C (Most countries) FM: 87.5-108, 50 kHz	Region C (SE Asia) AM: 522-1620, 9kHz
Region D (Brazil, Japan) FM: 76-108, 100kHz	Region D (Brazil) AM: 522-1629, 9kHz

## Antenna system

### Internal Antenna system:

AM built-in ferrite antenna

FM built-in telescopic antenna

### External antenna terminal:

AM antenna screw terminal

FM F-type antenna terminal

### Output power

7 W 10% T.H.D.@100 Hz

### Headphones socket

3.5 mm diameter stereo jack

output power 1mW+1mW (load 32 ohm)

### Aux In socket

3.5 mm diameter stereo jack.

Input sensitivity: In 280 mVrms, Output 7W @ 100 Hz

Input impedance: 47K ohm

### REC out

Output impedance: 22K ohm

### DC IN

12V/1.5A center pin positive

**Dimension:** W x H x D in inches: 9.4 x 4.5 x 7.2

**Weight:** 5.7 lbs

*Sangean reserves the right to amend the specification 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)*