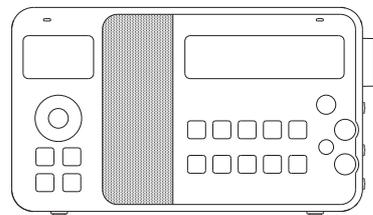
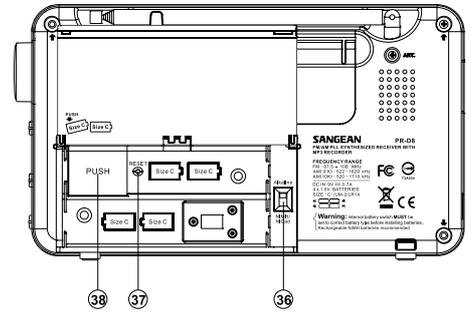
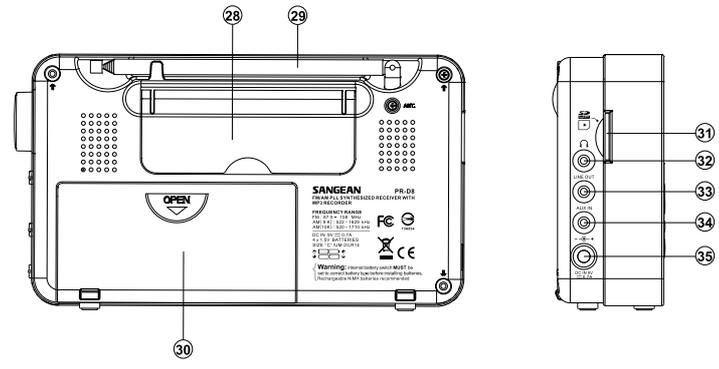
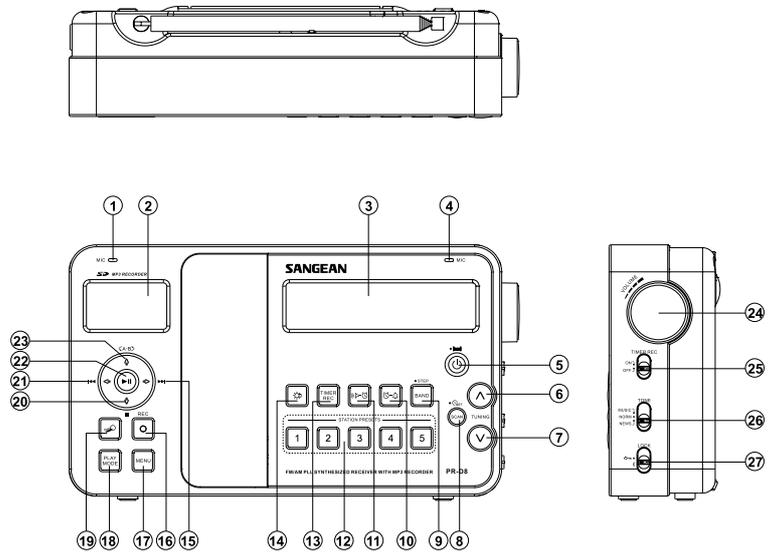


PR-D8



GB

Revision 3



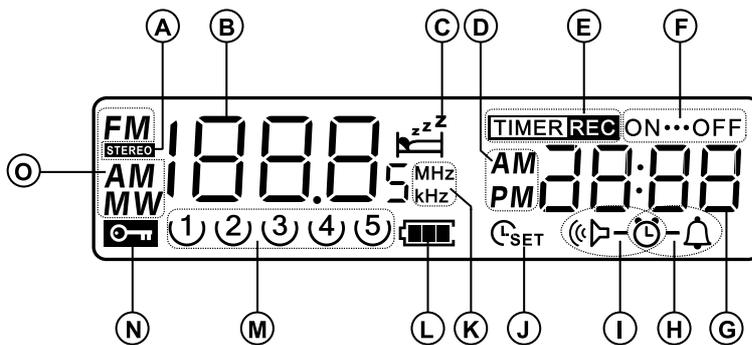
Controls

- ① Stereo Built-in Microphone (Left Channel)
- ② LCD Display
- ③ LCD Display
- ④ Stereo Built-in Microphone (Right channel)
- ⑤ Power/Auto Shut Off
- ⑥ Tuning Up
- ⑦ Tuning Down
- ⑧ Time Set and Station Scan
- ⑨ Band Selection and Tuning Step
- ⑩ Alarm (Buzzer)
- ⑪ Alarm (Radio)
- ⑫ Station Presets
- ⑬ Timer Recording
- ⑭ LCD Illumination
- ⑮ Skip/Fast Forward
- ⑯ Recording
- ⑰ Menu Button
- ⑱ Play Modes
- ⑲ File Browse
- ⑳ Stop/Folder down
- ㉑ Skip/Fast Rewind
- ㉒ Play/Pause
- ㉓ Repeat A–B/Folder Up
- ㉔ Volume Control
- ㉕ Timer Recorder Switch (On and Off)
- ㉖ Music/Normal/News Tone Control
- ㉗ Lock Switch
- ㉘ Rear Stand
- ㉙ Telescopic Aerial Antenna
- ㉚ Battery Compartment
- ㉛ SD Card Slot
- ㉜ Headphone Jack
- ㉝ Line-Out Jack
- ㉞ Aux-In Jack
- ㉟ DC-In Jack
- ㊱ Alkaline/Rechargeable Batteries (NiMH/NiCad) Switch
- ㊲ Reset Button
- ㊳ Push to Replace Batteries

CB

LCD Display for Radio and Clock

- Ⓐ Stereo
- Ⓑ Frequency
- Ⓒ Sleep and Snooze
- Ⓓ AM/PM
- Ⓔ Timer Recording (On & Off)
- Ⓕ Time Recording (On & Off)
- Ⓖ Clock
- Ⓗ Alarm Buzzer
- Ⓘ Alarm Radio
- Ⓝ Time Set
- Ⓚ Unit
- Ⓛ Battery Power Indicator
- Ⓜ Station Presets
- Ⓝ Key Lock
- Ⓞ FM/AM/MW Band



LCD Symbol for MP3 player

Status		Play
		Pause
		Stop
		Fast Forward
		Fast Rewind
		Record
File Format		MP3 file
		WMA file
		Filename
		Folder name
Play Mode		Repeat one
		Repeat Folder
		Repeat All
		Random play
		Repeat A-B
		Volume label or Disk S/N
		Folder(File browse)
		File(File browse)

GB

Battery Operation using Alkaline Batteries

1. Remove the battery cover on the back of the unit by sliding the cover to the OPEN direction.
2. Insert 4 x UM-2 (C size) alkaline batteries into the battery compartment. Make sure the batteries are inserted with correct polarity as shown inside the battery compartment.
3. Slide the battery switch to the Alkaline position and then replace the battery cover.

Important:

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

4. Decreased of power, distortion and “stuttering sound” are signs that the batteries may 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 should be removed from the radio. For extended listening, we recommend to use the supplied AC power adapter or otherwise the rechargeable batteries.

Battery Operation using Rechargeable Batteries

1. Remove the battery cover on the back of the unit by sliding the cover to the OPEN direction.
2. Insert 4 x UM-2 (C size) rechargeable batteries into the battery compartment. Make sure all batteries are inserted with correct polarity as shown inside the battery compartment. **CB**
The radio is designed with Nickel-Metal Hydride (NiMH) rechargeable battery usage.
3. Slide the battery switch to the NiMH/NiCad position and then replace the battery cover.
4. Insert the supplied AC power adapter into the DC-In jack on the left hand side of the radio and plug the adapter into a standard 13A main socket outlet.
5. The DC jack ring LED flashes indicating that the batteries are charging. When the DC jack ring stops flashing it should indicate that the batteries are fully charged. (Approximate charging time is 8 hours).

Important:

When using rechargeable batteries, the battery switch must be placed in the NiMH/NiCad position. The radio must be turned off while charging the batteries. Otherwise, the batteries will not be charged to its full capacity.

6. Decreased of power, distortion and “stuttering sound” are signs that the batteries may need to be recharged. Should the battery power decreases, the low battery power indicator will start flashing on the LCD display.
7. 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. For extended listening, we recommend to use the supplied AC power adapter or otherwise the rechargeable batteries.

Using the Supplied AC Power Adapter

The supplied AC adapter is 9 Volts DC output 700 mA center pin positive.

1. Insert the AC power adapter plug into the DC-In jack on the left hand side of the radio.
2. Plug in the AC power adapter into a standard 13A main socket outlet. Whenever the AC power adapter is plugged in to the radio and to the main AC outlet, the batteries are automatically disabled.

The AC adapter should be disconnected from the main AC outlet, when the radio is not in used.

Setting the Clock

1. Clock can be set in both ways; radio power must be on or off.
2. The display will show “- : - -” when the batteries are installed or when the radio is plugged in to a main AC outlet.
3. Press and hold the time set button  until LCD flashes the time set symbol and also the year digit followed by a beep.
4. Press tuning up/down button to set required year.
5. Follow the above procedure step to set the month, date, hour and minute.
6. LCD display will stop flashing and will display the real time when it's completed.

Operating the Radio

This radio is equipped with three tuning methods- scanning tuning, manual tuning and preset recall.

CB

Scan Tuning

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

The radio will continue to search for the next available stations, if you do not press scan button again when it finds a radio station.

4. Rotate the Volume Control to get required sound level.
5. To turn the radio off, press the power button. The display will show OFF.

Manual Tuning/Station Searching

1. Press the power button to turn the radio on.
2. Select the required waveband by pressing the band 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 100 kHz
AM (MW): 9 or 10 kHz
4. Press and hold either the tuning up or down button until the frequency in the display begins to change rapidly and release the button. Your radio will search the selected waveband and will stop automatically when it finds a station with sufficient signal.
5. Rotate the volume control to get the required sound level.
6. To turn the radio off, press the power button. Display will show OFF.

Storing Stations in Preset Memories

There are 5 memory presets on each waveband.

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

CB

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 an hour unless turned off by pressing the power button. Press the power button while the alarm is activated and will cancel the alarm for 24 hours.

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

a. Setting Radio Alarm Time

1. The radio alarm can be set in both ways (radio on or off).
2. Press and release radio alarm button , the radio will show radio alarm symbol.
3. Press and hold  button for more than 2 seconds followed by a beep.
4. Display hour will flash, using tuning up/down button to select hour then press  button again to confirm hour setting.
5. Follow same procedures of setting hour to set required minute. Press  button again to complete the alarm time setting.
6. During the radio alarm time setting, the display will also flash the last tuned radio frequency. Press tuning up/down button to select required wake up radio station or simply press preset station button to select wave up station.
7. Press  button again to complete radio alarm setting.
8. Press and hold radio alarm button  for 2 seconds to cancel the radio alarm. Display radio alarm symbol will disappear followed with a beep.

Note:

If the new radio alarm station is not selected. It will select the last programmed alarm station.

Setting the HWS (Humane Wake System) Buzzer Alarm

A beep will active when selecting the HWS buzzer 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 an hour until turning off by pressing the power button. Press the power button while the alarm is activated and will cancel the alarm for 24 hours.

1. The HWS buzzer alarm can be set in both ways (radio on or off).
2. Press and release HWS buzzer button , the symbol will show on the display.
3. Press and hold  button for more than 2 seconds followed by a beep, display hour digit will flash.
4. Pressing tuning up/down to select required alarm hour and then by pressing  button again, the minute digit will flash.
5. Pressing tuning up/down button to select required alarm minute, press the  button again to complete alarm setting. Display will appear  when buzzer alarm has been set.
6. Press and hold the buzzer alarm button  for more than 2 seconds followed by a beep to switch the alarm to on or off.

Snooze Function

1. While the alarm is active, press any buttons except the power button to activate 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  and the alarm symbol. The snooze function can be repeated during the one hour that the alarms are active.

Sleep Function

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

1. Press and continue to hold down the power button for more than 2 seconds, followed by a beep, the display will cycle through the available sleep timers in the order of 60-45-30-15-120-90-60. Release the power button when the required sleep timer 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, simply press the power button. The  symbol will disappear and radio will shut off.

Display Backlight

Press any buttons and the LCD display will illuminate for approximately 7 seconds. During scanning the station and the alarm is activated it will also automatically illuminate the display. Another option is you can also set LCD brightness by pressing and releasing the  button to select bright, brighter, brightest and off.

Setting 12 hour/24 Hour Format Tuning Step

While the radio is switched off, press and hold band/step button for approximately 5 seconds, display will show 12H, continue pressing tuning up/down button for another 5 seconds, display will flash 12H. By pressing tuning up/down button to select 24 hour format, complete the setting by pressing band/step button.

CB

Setting Tuning Step

Tuning steps in some countries are different from where you purchase the radio. If you buy the radio in Europe and intend to use in North America or South America, you may have to adjust the tuning step so, the radio may continue to serve you well.

Upon resetting to the 12H/24H format the display will show FM and flash 50 kHz (tuning step) followed by a beep. By pressing the up/down tuning button, you may adjust it to 100 kHz per tuning step then press band/step button again to complete FM tuning step reset. The display will show MW and flash 9 kHz after performing the FM tuning step reset. By pressing tuning up/down button, you may adjust to 10 kHz per tuning step. By simply pressing the band/step button now the setting is completed.

Headphone Jack

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



Operating the Radio - Aux In

1. Connect a stereo or mono audio source (like CD walkman, MP3 player) to Aux In jack.
2. Press the band button to select AUX band. The display will show AUX.
3. Adjust the volume control for comfort listening.

Operating the Radio – Line Out

The radio can be used as a separate tuner by connecting the input to Hi-Fi system, or using this input to make recording in stereo from audio program.



Lock Switch

The lock switch is used to prevent unintentional operation of the radio. Set the lock switch on the right side of the radio to the on position. The Lock Icon will appear in the display. The power and all other buttons will be disabled. This will prevent accidental operation when the radio is packed in a suitcase or carrying a pouch. To release the lock switch, simply move the switch to OFF position, the LOCK icon will be disappear from the display.

CB

Tone Control

The tone control switch is to adjust sound effect according to the program you are listening or playing back. Switch to Music position while you are listening to a music program and switch to news position while you are listening and playing back the recording from your voice.

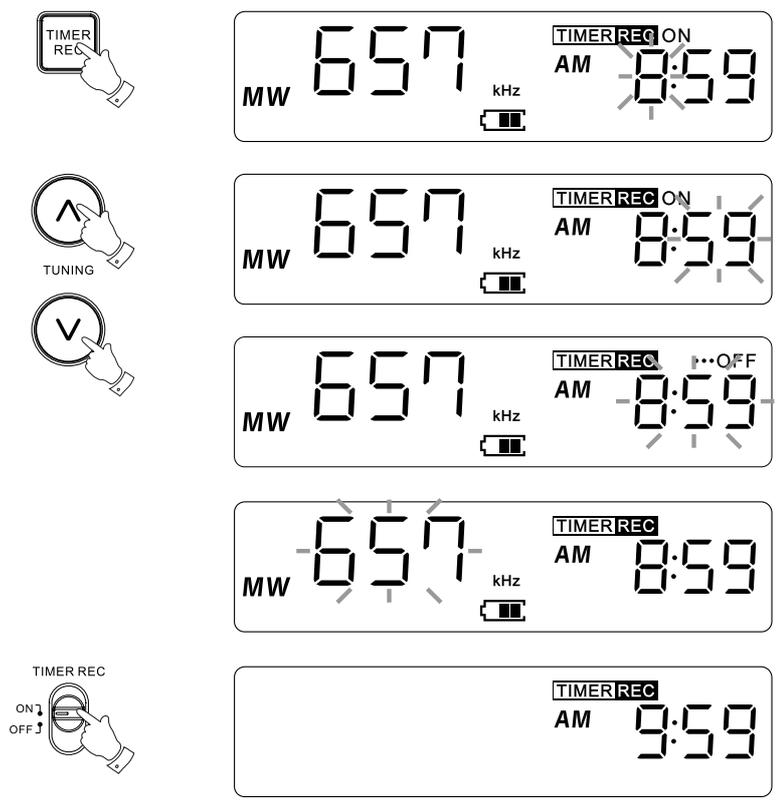
Timer Recording

The PR-D8 is capable of recording selected audio program into an SD card on an MP3 format at selectable recording on and off time.

1. Press power button to turn the radio on.
2. Make sure the real time is set before setting timer recording.
3. Press and release TIMER REC button, will display previous timer recording time.
4. Press and hold TIMER REC button until TIMER REC ON appears on the display and flashes hour digit.
5. Press tuning up or down button to select the required timer recording on the hour then press TIMER REC button again and follow same procedure to set the minute.
6. Press TIMER REC button again to complete TIMER REC on time. The display will flash TIMER REC OFF.
7. Pressing tuning up or down button to select Timer REC OFF time. Press TIMER REC button to complete timer recording time setting.
8. Switch the Timer Recording button which is located on your right hand side beneath volume control to ON position. The display will show TIMER REC indicating timer recording is set.
9. Press band button to select MW or FM or SD (microphone) or AUX IN band. Press tuning up/down or preset buttons to select your favorite radio station for recording. When you select record from Aux In band, make sure the audio device (MP3 player or CD walkman) is plugged into Aux In jack and turn on the device. If you select timer recording from built-in microphone, press the band button to select SD.

10. Press and release timer REC button to complete the timer recording setting.
11. Recording will start from Timer Recording On time and will end at Timer Recording Off time.
12. The recording will be stored in the SD card in various folders. If the recording is from the radio (FM/AM), the recorded folder will show as Radio. If the recording is from the Microphone, the recorded folder will show as Microphone and VOC file. If the recording is from the device using AUX IN, the recorded folder will show as AUX IN and AUX file name.

CB



Note:

When the timer recording is on, it will switch the radio programming on or the device from Aux In source to start recording, therefore, we highly recommend to set the volume control to its minimum level before you finalize the timer recording settings.

Note:

The recording quality can be selected by pressing the MENU button and then Record Setup as described later.

Cancel Timer Recording

Simply switch the Timer Recording switch to OFF position to cancel the timer recording setting.

Playback MP3 or WMA Files from SD Card

Secure Digital (SD or SDHC) card, which can be used with PR-D8 for playback of MP3 or WMA files. The PR-D8 can also be recorded to SD, SDHC in MP3 format.

The PR-D8 has been tested with a range of SD cards. SD cards up to 2GB and SDHC card up to 32GB are supported. However, there are many different card variants available and not all cards can be guaranteed to work with the PR-D8. Memory must use the FAT or FAT 32 filing system in order to operate with the PR-D8.

Note:

SD card which is less than 2GB should use the FAT file system.

SDHC card which is more than 4GB should use FAT32 file system.

The SD card slot is located on the left hand side of the unit. To insert an SD card into your radio, push the card label side upward into the card slot until it clicks. To remove the SD card, push the card in and you can now pull out SD card.

Playing MP3/WMA – SD

1. When SD card is inserted, press the power button to turn the radio on and then press band button to select SD. The MP3 player will show “reading” on the LCD display and the number of files and folders stored in the SD card will appear.
2. Press the Play/Pause button to start playing from the SD card. The display will show first folder and file numbers 001 and 001.
3. To pause playing, press the Play/Pause button. To resume playing, press the Play/Pause button again.
4. To stop playing, press the Stop button.

CB

If you put the unit into standby mode without pressing the stop button, the next time the unit is turned on, it will return to the previous play file.

Selecting a File

1. While the SD card device is playing, press either the fast-forward or rewind buttons to change to the desired file. The file number is updated on the display. If there's more than one folder, all files in the current folder should have been played and the next folder will be played.
2. You can also skip the file when the player is on stop mode. You can skip to the desired file by pressing the fast-forward or rewind buttons and release the button when the desired track number is displayed.
3. Press the Play/Pause button to play the selected file.

The PR-D8 will allow a maximum of 200 folder and 999 files.



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When playing the files in your SD cards, press and hold the fast-forward/ Rewind buttons to search for the desired part of the current file. Press any buttons (except REC. PlayMode) to return to the normal playing.

Skip to Another Folder

1. While playing the SD card either on play or stop mode, press and hold the folder up/A-B or folder down/STOP button to skip to the next folder. The first file of the next or previous folder will be played.

File Brower Folders

To speed up folder search, you may also press file browser button and then press folder up and down button to search the required folders. Press Play and Pause button to play file when the required folder is found.

Play Mode

When playing the SD card, press and release PLAY MODE button to select.

CB

Repeat 1 -
repeatedly play the file you are listening to.

Repeat Folder -
repeatedly play the files within the folder you are listening to.

Repeat All -
repeatedly play the folders in the SD card.

Random -
it will play files in the SD card by random.

Repeat File within Section A–B

If you'd like to repeat the file only within the selected section (e.g. learning languages), during the playback, press and release the <A-B> button for the selection you'd like to start and repeat, press the <A-B> button once again for the selection you'd like to end the repeat.

The radio will repeat the playback only within the selected section and it will show on the display.

To cancel the repeat, simply press the <A-B> button again.

The display  icon will disappear.



Recording to SD

The PR-D8 has been designed to allow you to make recordings to SD/SDHC cards memory devices. Recording is made on MP3 format at selectable 64k or 128k (initial setting) or 192k bits per second.

SD/SDHC must use the FAT or FAT 32 file system in order to operate with the PR-D8. SD card is usually supplied already formatted or can be formatted using a PC with a suitable card reader.

It is possible to record to the SD card, which already contains files written by the radio or using your computer. The recorded files will be added to those already present on the SD card.

Recording

1. Select the desired source for the recording (MW/FM/AUX/SD – Microphone) by pressing the band button. Set the volume to the required listening level (the volume of the recording will not be affected by this).
2. Insert the SD card.
3. Select recording bits rate by pressing menu button, the display will show Record Setup. Press and release Play/Pause button to select REC quality (initial setting at 128 kbps). Press \uparrow the \downarrow button to select between 64k/128k/192k and confirm the setting by pressing Play/Pause button.
4. Press the RECORD button until the display will show “reading”.
5. Press Play/Pause button to start recording. The display will flash while recording and the record button will appear in red showing that it is recording.
6. To stop recording, press STOP button, the display will show “saving” and then “reading” followed by the file and folder number indicating the recording file is saved as RECORD folder on the SD card.

CB

Playing the Recording

1. After recording is completed, press and release file browser button  and then press folder up or down button to search RECORD file.
2. Press and release Play and Pause button, the display will show Radio (recording from radio), AUXIN (recording from Aux In) and MIC (recording from built-in microphone).
3. Press and release Play and Pause button again to select required files recorded from various audio sources.
4. Press and release Play and Pause button again to play the recording.
5. Press Stop button to stop playing.

Deleting WMA/MP3files

PR-D8 is capable of deleting WMA/MP3 files (not the folders) from SD card.

CB

To delete files,

1. Inserting SD card into SD card slot, then switch the radio to SD band by pressing Band button.
2. After SD card reading is completed, press and release file browse button, LCD display will browse the folders in the SD card.
3. By pressing folder Up or Down button to select the folder where the file you like to delete is stored.
4. Press and release Play and Pause button to enter the folder and press folder Up or Down button to select the file you like to delete.
5. Press and release SKIP/Fast Forward button, display will show Play and Delete.
6. By pressing folder Down button to select Delete, then pressing Play and Pause button, display will show Delete No or Yes.
7. Press Skip/Fast forward button to select Yes, then press Play and Pause button to delete selected file.
8. Display will show deleting and back to play mode after the file is deleted.

Menu Button

The menu button is to set up recording quality and also system setup.

1. When the Power is on and on SD mode, press and release the menu button, the display will show Record Setup and System Setup. Press up or down button to select Record Setup or System Setup. Press Play/Pause button to confirm the selection.

a. Record Setup –

Press Play/Pause button again to enter Recording quality selection, by pressing up or down button to select recording quality to be 64kbps or 128 kbps or 192 kbps. Confirm the selection by pressing Play and Pause button.

b. System Setup –

Press Play/Pause button to enter System Setup mode. Press and release up or down button to select the set up of LCD contrast, system information, format and reset.

A) LCD Contrast –

this is to adjust LCD backlight contrast. Press and release Play and Pause button. By pressing fast forward \Rightarrow or rewind button \Leftarrow to select the required LCD contrast.

B) System Information –

press and release Play and Pause button to see the total and free SD card capacity.

C) power saving –

for power saving purpose, you may select radio auto power off time in SD band by entering power saving mode after pressing and releasing the Play and Pause button.



In power saving mode, display will show OFF, 1 min, 3 mins (initial) 60 mins. Pressing folder up or own button to select required auto power off time.

To select OFF, the radio will be always on unless you switch it off.

Note:

Power saving mode won't be effective when you are playing the files or in Pause status.

D) SD format –

this is to format the SD card, please note once you select YES, the SD format will be executed and all the files in the SD card will be eliminated.

E) RESET –

this is to Reset the System Setup and back to original factory setting.

Trouble shooting/Reset Button

If the radio fails to operate correctly or some digits on the display are missing or incomplete, perform the RESET procedure.

1. Turn the radio off and remove the batteries.
2. With the aid of a suitable implement (the end of a paper clip or a pen), press the RESET button located inside the battery compartment for at least 1 second, this will reset the microprocessor, clock time and clear all stations stored in the preset memory.

Care and Maintenance

Do not allow this radio to be exposed to water, steam or sand. Do not leave the radio where there's excessive heat, which it could cause damage such as in a parked car.

Technical Information

Power Source:

Ac Power Adapter:

DC 9V 0.7A, center pin positive, diameter of center tip 2.2 Φ

Battery:

4 x UM-2(C size, LR14), Alkaline or Ni-MH rechargeable battery

Frequency Range:

FM Band: 87.5~108MHz

AM Band: 530~1620kHz (9kHz/step) or 520~1710kHz (10kHz/step)



Electronic features:

Speaker: 40x115mm 8 ohm 3W full range

Output Power: 0.7W @alkaline battery, 1.5W by DC-IN 9V

Output Power of Headphone: 5mW+5mW

Rechargeable Current of Charger: 0.5A

AUX-IN Level: 0.5Vrms (typical), 1Vrms (max.)

LINE-OUT Level: 0.5Vrms, 1Vrms (max.)

MP3/WMA Features:

SD Card Capacity: 16MB~32GB (SDHC)

SD Card Format: FAT/FAT-32

Playable Media: MP3 (16kbps~320kbps)/WMA (16kbps~192kbps)

Recording Format: MP3

Recording Quality:

64kbps (low quality)/128kbps (standard)/192kbps (high quality)

Frequency Response of SD Media Player: 40Hz~20 kHz (192kbps)

Dimension: W 220 x H 126 x D 48 mm



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)

