

ENVIRONMENTAL PROTECTION



Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging.

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.

	WARNING Risk of electric shock Do not open!	
Caution: To reduce the risk of electric shock, do not remove the cover (or back). There are no user serviceable parts inside. Refer servicing to qualified service personnel.		



This symbol indicates the presence of dangerous voltage inside the enclosure, sufficient enough to cause electric shock.



This symbol indicates the presence of important operating and maintenance instructions for the device.

Safety, Environmental and Setup Instructions

- Use the device in dry indoor environments only.
- Protect the device from humidity.
- Do not open the device. **RISK OF ELECTRIC SHOCK!** Refer opening and servicing to qualified personnel.
- Connect this device to a properly installed and earthed wall outlet only. Make sure the mains voltage corresponds with the specifications on the rating plate.
- Make sure the mains cable stays dry during operation. Do not pinch or damage the mains cable in any way.
- A damaged mains cable or plug must immediately be replaced by an authorized service center.
- In case of lightning, immediately disconnect the device from the mains supply.
- Children should be supervised by parents when using the device.
- Clean the device with a dry cloth only.
Do NOT use CLEANING AGENTS or ABRASIVE CLOTHS!
- Do not expose the device to direct sunlight or other heat sources.
- Install the device at a location with sufficient ventilation in order to prevent heat accumulation.
- Do not cover the ventilation openings!
- Install the device at a safe and vibration-free location.
- Install the device as far away as possible from computers and microwave units; otherwise radio reception may be disturbed.
- Do not open or repair the enclosure. It is not safe to do so and will void your warranty. Repairs only by authorized service/ customer center.
- Only use mercury and cadmium-free batteries.
- Used batteries are hazardous waste and NOT to be disposed of with the household waste!!!
Return the batteries to your dealer or to collection points in your community.
- Keep batteries away from children. Children might swallow batteries.
Contact a physician immediately if a battery was swallowed.
- Check your batteries regularly to avoid battery leakage.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- CAUTION: Danger of explosion if battery is incorrectly replaced
Replace only with the same or equivalent type



Used batteries are hazardous waste and NOT to be disposed of with the household waste! As a consumer you are legally obligated to return all batteries for environmentally responsible recycling - no matter whether or not the batteries contain harmful substances *).

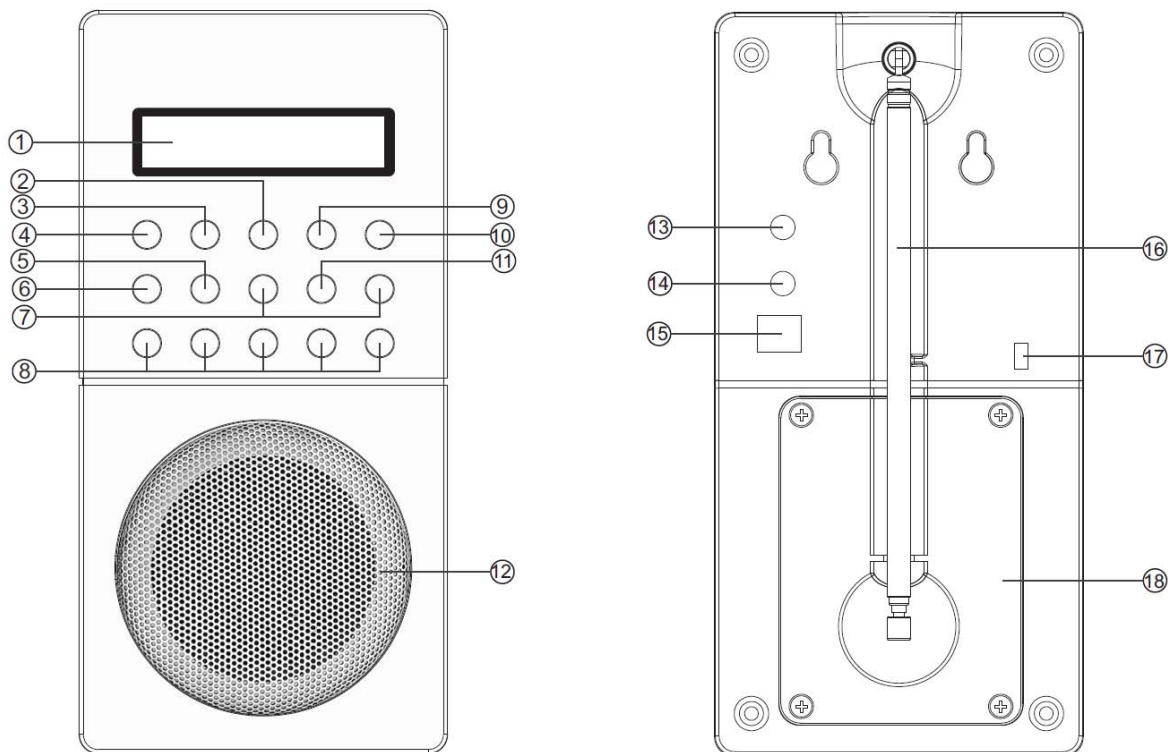
Return batteries free of charge to public collection points in your community or to shops selling batteries of the respective kind

Only return fully discharged batteries.

*) marked Cd = cadmium, Hg = mercury, Pb = lead

LOCATION OF CONTROLS AND INDICATORS

Diagram of Back and Front Panel.



FRONT PANEL

- | | |
|----------------|---|
| 1. LCD DISPLAY | - Full dot matrix LCD display with black backlight. |
| 2. INFO/SCAN | - (DAB) Long press and hold the "INFO/SCAN" button for 2 seconds to scan full all the DAB ensembles
- (FM) Long press and hold the "INFO/SCAN" button for 2 seconds to scan the FM band and stops once a station is detected.
- (DAB / FM information) Press and release "INFO/SCAN" to cycle through the DAB / FM information, which shown on the bottom of the display e.g. scrolling text / time and date / program type. |
| 3. MODE | - Press "MODE" button to switch between DAB, FM and Aux Input. |
| 4. STANDBY | - Press "STANDBY" button, the unit will be turned ON to the last mode.
- Press this "STANDBY" again to standby the unit.
- Long press and hold to turn off the unit.
- Press and release "STANDBY" to turn on the unit. |
| 5. MENU | - Press and release "MENU" button to cycle through the different setup options, press "SELECT" to select an option.
(DAB mode) - Press "MENU" button to cycle through the Clock Set, Sleep Set, Full Scan and Time Update options.
- Long Press and release "MENU" button to cycle through the DAB setting mode, it including the Manual Tune, System Reset, Software version number.
(FM mode) - Press and release "MENU" button to cycle through the FM setting mode, it including the Clock Set, Sleep Set and Time Update options.
- Long press and release "MENU" button to cycle through the setting mode, it including the System Reset and Software version number. |
| 6. ALARM | - Press "ALARM" button to show the current Alarm setting.
- Long press "ALARM", "UP" / "DOWN" and then "SELECT" to setup the alarm time, alarm volume level and wake up source. |
| 7. UP & DOWN | - Press "UP" / "DOWN" button to view the current menu selection |

(DAB) Cycle through the available station, push "SELECT" button to confirm selection and start the DAB broadcast.

(FM) Manual tune FM frequency, push "UP"/"DOWN" button step by step to select the active frequency range.

(All setting modes) Press and hold "UP"/"DOWN" button to the next available station.

- 8. P1/P2/P3/P4/P5 - Press "P1"/"P2"/"P3"/"P4"/"P5" to recall the preset stations.
- Press and hold "P1"/"P2"/"P3"/"P4"/"P5" (DAB/FM) to save the current broadcasting station into that preset key memory. It has 5 DAB and 5 FM preset memory
- 9. VOL- - Press "VOL-" button to decrease the volume, Volume level from 0 to 20
- 10. VOL+ - Press "VOL+" button to increase the volume, Volume level from 0 to 20
- 11. SELECT - Press "SELECT" button to select the highlighted menu item
- 12. Main Speaker - 3" speaker drive is built-in

BACK PANEL

- 13. AUX IN Socket - Connect a stereo or mono audio source to the AUX IN socket i.e. iPod, MP3 Player, CD player... etc
- 14. PHONES Socket - Connect a headphone to this 3.5mm headphone socket to listen the unit. Inserting plug automatically mutes the internal loudspeaker.
- 15. DC Socket - Connect the power adaptor's DC plug to the DC socket on the rear cabinet. Then connect the power plug on the other end to an AC outlet.
- 16. Adjustable Antenna - Adjust this adjustable antenna and position it for best DAB or FM reception.
- In Strong FM signal location(s), reduce the length of antenna until better reception.
- If FM reception is unsatisfactory, turn the unit slightly until reaching the best reception.
- Retract the antenna when using/connecting the AUX IN or not using the unit
- 17. Battery On/Off - Turn 'ON' the battery switch to connect the batteries power
- Turn 'OFF' the battery switch to cut off the batteries power when not using the unit.
- 18. Battery Compartment - 1 pack AA size rechargeable batteries is installed into the battery compartment

BATTERY OPERATION

- A complete charge should take up to Min. 5 hours with the unit switched to the 'Standby' mode. This will provide for approximately (up to) 5 hours for listening at normal volume. When the battery is low, a symbol 'Empty Battery' will flash on the left of the LCD display. After few seconds, it will return to standby mode.
- **When the battery power is low and less than 20%, it will automatically shut itself off to protect the batteries.**
- When charging the battery, the display will light on and has a letter 'B' flashing on the left of LCD display. After 60 sec, the time and date will display on the LCD display.
- When the battery is fully charged by AC power the letter 'B' will disappear.
- Reduced power, distortion and a "stuttering" sound are all signs that the battery may need recharging.
- If the radio is not to be used for any extended period of time, it is recommended to long press the 'STANDBY' key to disconnect the unit and/or switch off the "Battery" switch at the back of the unit.
- **Switch off the device completely if not used for an extended period of time to avoid over discharge.**
- **Mark sure to always fully use the battery power before charging the batteries. This will lengthen the life time of the rechargeable batteries.**
- **Over discharge will cause difficulties in recharging the battery again and it may cause batteries to be damaged.**

CHARGING THE BATTERY

To charge the battery, turn 'ON' the "Battery" switch. Connect the AC power cable into the AC Input socket at the back of the unit and connect to AC230V~50Hz house.

- **NOTE: UNIT CAN ONLY BE CHARGED IN "STANDBY" MODE WITH THE BATTERY POWER SWITCH 'ON'**

OPERATING INSTRUCTIONS

GETTING STARTED – DAB OPERATION

- Carefully extend the adjustable antenna
- Switch 'ON' the 'Battery' switch to connect to the batteries power.
- The LCD display will display a greeting "WELCOME TO DIGITAL RADIO" for few seconds, and then perform a DAB full scanning. The date and time clock will be auto setting from the transmitted DAB radio signal. It usually takes for few seconds.

THE FIRST TIME SWITCH ON THE UNIT

When this is the first time switch on the unit, it will be automatically connected to the DAB digital stations and perform scanning. The display will show 'Scan Services Full Scan'. In the other words, if the radio has been used before, the last used station will be selected.

- During the scanning, the solid bar graph will be display to indicating progress of scanning until it 100% finished tuning.
- When the available stations are found, the numbers of stations will show on the LCD display. The radio will select the first service on the list. All available stations will be displayed alphanumerically.

NO STATIONS AVAILABLE

If there is no service on the service list after the scan has completed, an information message will be displayed 'Service N/A'. You may need to relocate your radio to a position giving better reception and perform another scan again or to tune the radio manually.

DAB MODE

DAB AUTO TUNE

Your DAB radio tunes and sets up with minimal effort. All available frequencies are automatically picked up by the radio. When you turn on the radio, it will perform quick scan. All available stations will be displayed alphanumerically.

DAB STATION SELECTION

- Press 'UP' / 'DOWN' buttons to cycle through the stations in the list. The station names will appear once at a time on the bottom line of display.
- Press 'SELECT' button to choose the station on the list you want to listen to.
- Press 'VOL+' / 'VOL-' to adjust to the desired level

DAB SCAN

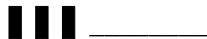
As time passes, new stations may become available. Check out the new stations proceed as follows

QUICK SCAN – Press 'INFO/SCAN' button to perform a local QUICK SCAN of the DAB Band III frequencies. As new stations are found the station counter on the display and the stations will be added to the list.

FULL SCAN – Press 'MENU' button to cycle through the list and press 'SELECT' button to choose FULL SCAN, it will perform a full scan of the entire DAB Band III frequencies. As new stations are found the station counter on the right-hand side of display will increase and stations will be added to the list.

**WELCOME TO
DIGITAL RADIO**

**Scan Services
Full Scan**

 **10C**
28%

**21 Services
Found**

Service N/A

**BBC Music
Playing**

Classics

LocalRadio


TikSport

Select

TikSport
...now talking to...

**Scan Services
Quick Scan**

**Scan Services
Full Scan**

 **10C**

MANUAL DAB TUNING

The Manual DAB Tuning allows you

- Determine the best position of antenna and the best radio reception for the unit.
 - Tune directly to the various DAB Channels under a best possible signal
 - Update station list
- Long press 'MENU' button to cycle through the menu until reach MANUAL TUNE, and then press 'SELECT' button
 - Press 'UP' / 'DOWN' buttons to scroll through the available channel numbers and press 'SELECT' button
 - NOTE: The selected channel will be automatically update into the station list as above
 - NOTE: The current listened station will be stopped once press 'SELECT' button

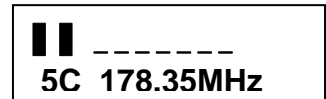
Manual Tune
<5A 174.928MHz>
<5B 176.64MHz >
<5C 178.35MHz >

The Signal strength bar will be appeared on the first line.

The selected channel number and associated frequency will be appeared on the second line.

- When the signal strength is low, the underscore meter will shows the minimum Signal strength needed for good DAB reception.
 - The solid bars will go up and down, showing you the changing Signal strength as you adjust the aerial and radio position. More solid bars refer to the high signal strength.
 - In order to get the best signal strength, adjust the antenna and radio position for better reception.
- Press 'SELECT' button after finishing the above adjustment and turn off the signal strength bar. Then, the radio will return to the previously listened station and the stations from the ensemble just added will be available in the station list.
 - NOTE: the radio will also return to previously listened station if no any button is pressed for about 5 seconds

Signal strength low



Signal strength high



If no station is found

- Check the FM antenna to ensure it is fully extended and move the radio to a different location.
- Press and hold the 'INFO/SCAN' button (for over 2 seconds) for auto-scanning again.
 - If this fails, you may in an area with no digital radio coverage. Please visit sites, e.g. <http://www.bbc.co.uk/digitalradio>, for checking the coverage.

LISTENING TO PRESET STATIONS

Saving the stations

You can store both 5 FM presets and 5 DAB presets on the same preset keys.

- Tune to the station that you want to save.
- Press and hold one of the presets, e.g. 'P2' button until the message "RESET 02 SAVED" is displayed.
- Repeat the above step and save other preferred stations into other presets, 'P1' or 'P3' or 'P4' or 'P5'.

BBC News Playing
<Classics >
<TalkSport >
<LocalRadio >
Talk Sport Preset 02 Saved

Loading preset station

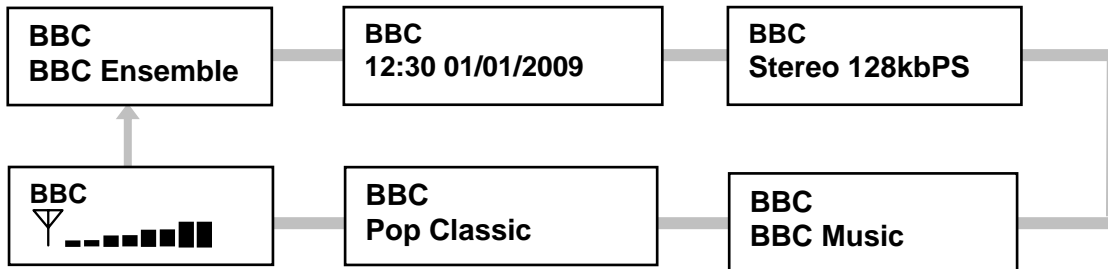
- When listen to radio, press 'P1' or 'P2' or 'P3' or 'P4' or 'P5' buttons to switch to the preset station
 - NOTE: The first time you switch your new radio ON, or straight after a SYSTEM RESET (see page 8) there will be no preset station saved. The message 'PRESET FREE' will appear one at a time on the bottom line of LCD display.

TalkSport Preset 02 Free

DAB DISPLAY MODE

DAB display mode allows you to view different information of the broadcast data. The second line of text on the LCD display will show any one of the followings six information:

- Press 'INFO/SCAN' button and cycle through the information displayed on the bottom line of the LCD display.
 - Ensemble name: The name of the ensemble (Channel number) in which the current service is found.
 - Time and Date: The time and Date obtained from the current multiplex, this will be updated in every minute approximately
 - Bit-rate & the audio status: The bit rate (kbps) and the audio status (Mono or Stereo) of the current service.
 - DLS: Scrolling text accompanying the audio, where available, from the service provider. The text will be continually scrolled along the bottom line. This text may include current song playing, text numbers for competitions, etc.
 - Program type: A description of the type of the content being broadcast by the service, e.g. 'Pop music'
 - Signal Strength: The signal strength of the current ensemble



SOFTWARE VERSION

- Long press 'MENU' and cycle through it until the software version number is displayed. The LCD screen will show the version of software that has been used in this unit.

Customer vBI1.7

- Note: Update for the software version is not available in this unit.

To exit from the menus at any times, press the 'MENU' button again, or simply leave all controls untouched for a few seconds.

CHOOSING A CLOCK MENU

The first time switch on the unit, the clock will be automatically set from the transmitted with the DAB radio signal.

Alternatively, you can set the clock to show a time different from the local time zone.

Or, you need to set the clock manually when no DAB signal.

To set the Clock, go into the clock setting menu by following:

- Press 'MENU' button to choose Clock Set, then press 'SELECT' button
The LCD display will show the hour "24H" is flashing
- Press 'UP'/'DOWN' button to choose the HOUR display format "12'H or "24'H, then press 'SELECT' button
The LCD display will show the "00" is flashing
- Press 'UP'/'DOWN' button to set HOUR, then press 'SELECT' button
The LCD display will show the "00" is flashing
- Press 'UP'/'DOWN' button to set MINUTE, then press 'SELECT' button

**BBC
Clock Set**

**Clock Setting
24H 00:00**

**Clock Setting
24H 00:00**

**Clock Setting
24H 00:00**

To show the new time and date, press the "STANDBY" button.

SETTING the SLEEP TIMER

The sleep timer switches your radio into standby after a number of minutes.

- To set/change the sleep timer
- Press 'MENU' button to cycle through the SLEEP SET setting and press 'SELECT'
The LCD display will show Sleep, and the "30" Min is flashing
- Press 'UP'/'DOWN' button and press 'SELECT' to set the MINUTE
It has **OFF / 15minute / 30 minute / 45 minute / 60 minute** for selection
- The LCD display will show the "S" after the sleep timer is set

**BBC
Sleep Set**

**Sleep
30Min**

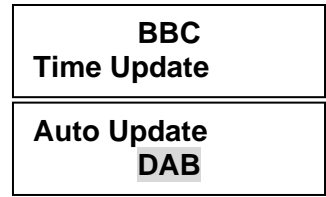
**BBC s BBC
Ensemble**

To cancel the sleep timer, enter into the SLEEP SET again and 'UP'/'DOWN' button to

select OFF to cancel the sleep timer.

TIME UPDATE

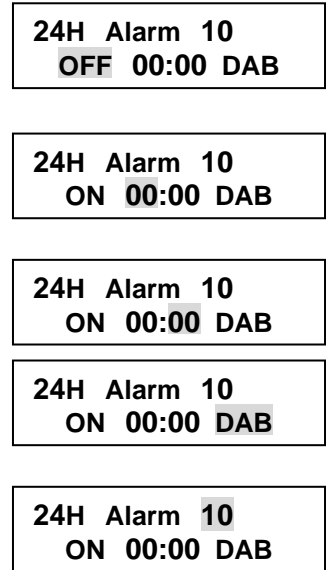
Set the TIME Auto Update from either DAB/FM mode or NO UPDATE. Press 'MENU' button to choose TIME UPDATE, press 'SELECT' button Press 'UP'/'DOWN' button to choose the mode source DAB/FM/NO UPDATE and press 'SELECT' button The LCD display will show the selection mode e.g. "DAB" is flashing.



SET ALARM

It has a daily alarm, which switches the radio on and tunes to the station you have chosen or sounds a tone. To set or change and alarm:

- Long press 'ALARM' button to enter to the alarm setting, then press 'UP'/'DOWN' and 'SELECT' button to switch the alarm "ON" The LCD display will show "OFF" is flashing
- Press 'UP'/'DOWN' and 'SELECT' button to set HOUR The LCD display will show the time with the "00" is flashing
- Press 'UP'/'DOWN' and 'SELECT' button to set the MINUTE The LCD display will show the time with the "00" is flashing
- Press 'UP'/'DOWN' and 'SELECT' button to set the DAB or FM radio alarm or BUZZER alarm. The LCD display will show the alarm type e.g. "DAB" is flashing
- Press 'UP'/'DOWN' and 'SELECT' button to set the ALARM VOLUME LEVEL, The LCD display will show the alarm volume level with "10" is flashing



The LCD screen will confirm your settings by return the LCD display content to the previous listened station.

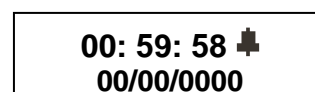
DAB station



FM radio



Buzzer



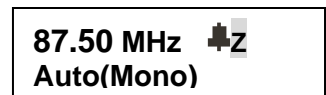
TURN OFF BUZZER/DAB/FM ALARM

Press 'STANDBY' button once to turn off the alarm, the unit will go back to the STANDBY mode.

- NOTE: Without pressing any button, the buzzer will be automatically turned off after 59 minutes. And then LCD display content will go back to the previous listened station / display mode.

TO SET THE SNOOZE ALARM

When an alarm is sounding, press 'STANDBY' button to silence the alarm for 5 minutes (the default snooze time). After 5 minutes, the alarm will sound again. The letter 'Z' will appear beside the bell.



To cancel the snooze function, press 'STANDBY' button twice. The unit will go back to the STANDBY mode.

VIEW THE ALARM SETTING

- Press 'ALARM' to view the alarm setting that have been set
 - NOTE: To adjust the alarm setting, repeat the steps on SET ALARM menu.

FM MODE

- Press 'MODE' button to cycle through the menu until reach FM mode. The first time you turn on to FM radio, it will start at '87.5MHz', otherwise, it will tune to the last listened station.

FM TUNING

You can MANUALLY TUNE or AUTO-TUNE to a FM station.

- Press 'UP' / 'DOWN' buttons to manually tune the FM frequencies step by step.
- Press and hold 'INFO/SCAN' button to start the AUTO-TUEN and SCAN to next available station with good signal.
- Press 'VOL+' / 'VOL-' button to adjust to the desired level

Moving the antenna or radio to improve signal strength and reception.

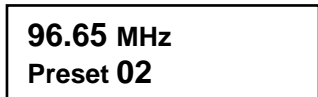


FM PRESETS

You can store both 5 FM presets and 5 DAB presets on the same preset keys.

- Tune to the FM station that you want to save.
- Press and hold one of the preset button, e.g. 'P2' button until the message 'PRESET 02 SAVED' is displayed
- Repeat the above step and save other preferred stations into other presets, 'P1' or 'P3' or 'P4' or 'P5'

To listen the preset station, press the preset key 'P1' or 'P3' or 'P4' or 'P5'.



AUX INPUT MODE

Make sure that devices such as CD player, MP3 player or an iPod is connected to the AUX-IN Socket at the back of this unit.

- Press 'MODE' button to cycle through the menu until reach Aux Input mode
- Press 'VOL+' / 'VOL-' to adjust to the desired level

Remark: To gain optimal volume levels and sound performance, adjust the output volume level on both the source device and on the unit itself.

PHONE SOCKET

A 3.5mm Headphone socket located at the back of the unit is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

- **WARNING:** Always check the volume level before inserting headphones into your ears. (Headphones not included)

BACKLIGHT

A backlight is available on LCD screen.

STANDBY BUTTON

Press 'STANDBY' button shortly and release, the radio goes off and the display will show Time & Date.

Long press the 'STANDBY' BUTTON, the radio goes off, the display backlight goes off and the unit will power off.

- **NOTE:** Press 'STANDBY' button again, the unit will be turned ON.

RECHARGABLE BATTERIES (BUILT - IN)

This unit was built-in with rechargeable batteries.

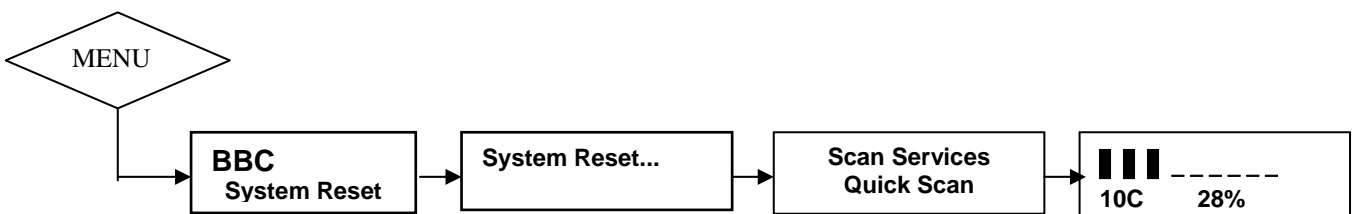
SYSTEM RESET

To return the radio to its factory settings, all the stations, presets, clock and alarm settings will be cleared.

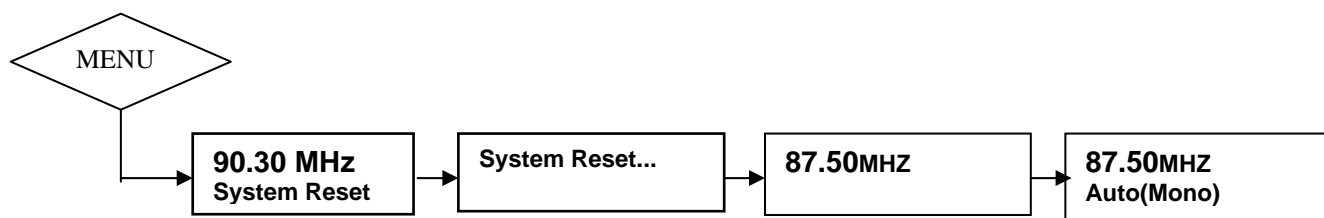
You may either reset the settings during DAB or FM operation.

- Long press 'MENU' and cycle through the menu to SYSTEM RESET
- Press 'SELECT' button to preform the SYSTEM RESET.

DAB – It will preform Quick Scan again.



FM – It will return to default radio frequency 87.50MHz.



SPECIFICATIONS

Digital Audio Broadcasting (DAB+)

Quick Scan:

Full Scan:

FM Frequency

Speaker Output Power

Power Supply

Built-in Nickel Metal Hydride (NiMH) Rechargeable Batteries

Battery Life

Band III

10A 209-936 MHz to 13F 239.200MHz

5A 174.928 MHz to 13F 239.200MHz

FM 87.50MHz – 108.00MHz

5W RMS

AC 230V~50Hz

1 pack (AA size)

Up to approx. 5 hours of listening at 50% volume level and fully charged battery

*** Specification and the design are subject to possible modifications without notice due to improvement ***