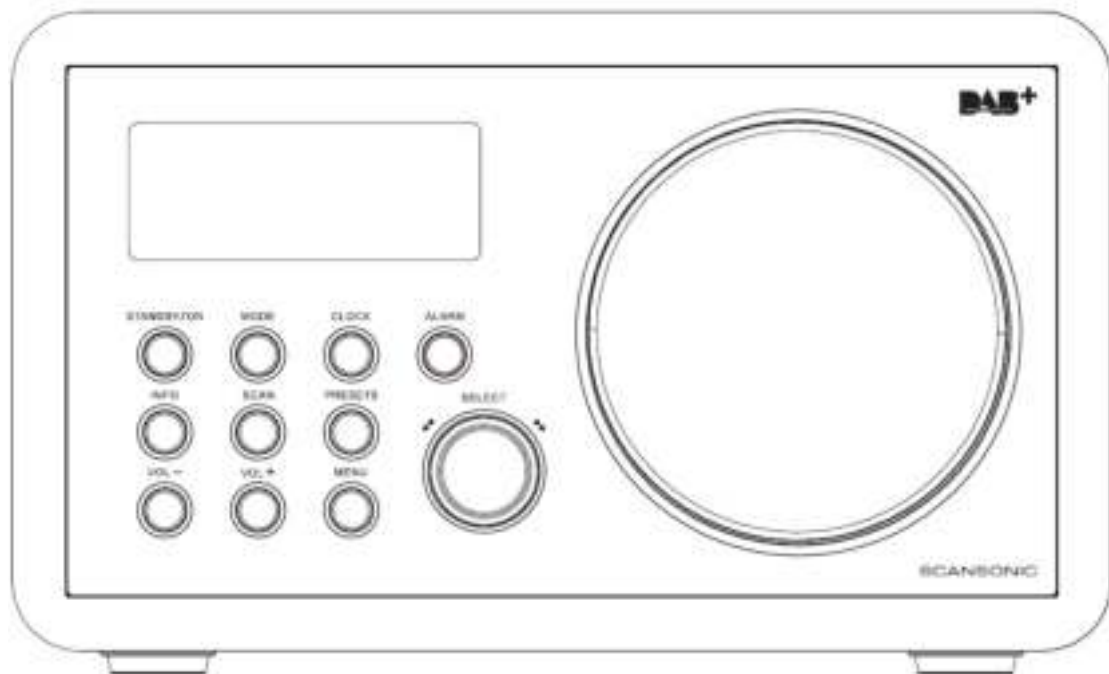


SCANSONIC

DAB200

D A B / D A B + , F M D i g i t a l R a d i o



Instruction Manual

Safety Precautions

To achieve the utmost in enjoyment and performance, and in order to become familiar with its features, please read this manual carefully before attempting to operate the unit, this will assure you years of faithful, trouble free performance and listening pleasure.

Important Notes

- This safety and operating instruction should be retained for future reference.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
- Avoid installing the unit in locations described below:
 - Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
 - On top of other stereo equipment that radiate too much heat.
 - Places blocking ventilation or dusty places.
 - Places subject to constant vibration.
 - Humid or moist places.
- No naked flame sources such as lighted candles should be placed on or near the unit;
- The use of apparatus in moderate climates.
- Operate turning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make sure the power cord is properly installed.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personnel.

Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personnel.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



DANGEROUS VOLTAGE

Dangerous Voltages, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



ATTENTION

The owner's manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

Note: This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

Safety Information

Some Do's and Don'ts on the safe use of equipment

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DON'T remove any fixed cover as this may expose dangerous voltages.

Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the equipment if you are in any doubt about if it's working normally or if it's damaged in any way. Switch it off and withdraw the mains plug and consult your dealer.

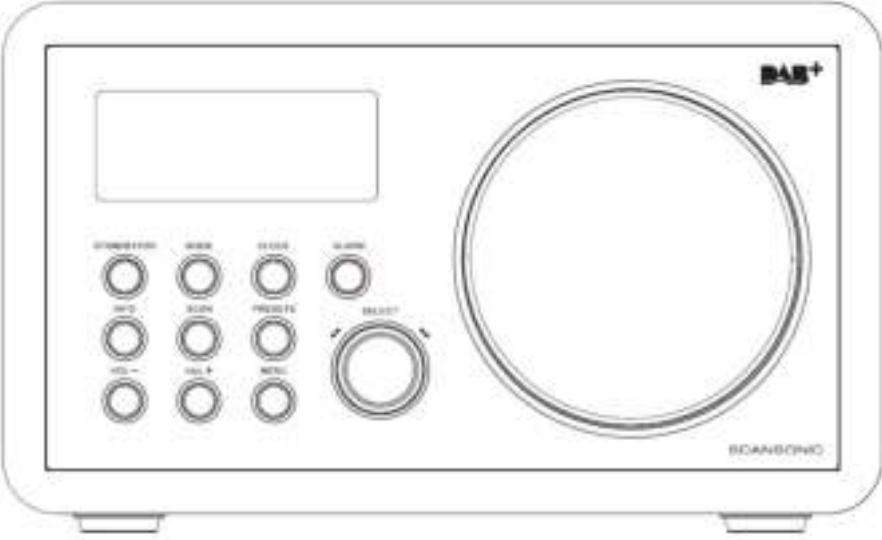


ESD Remark: In case of malfunction due to electrostatic discharge just reset the product (reconnection of power source may be required) to resume normal operation.

NOTE: In the unlikely event of a problem with your product please return to the store where your purchase was made.

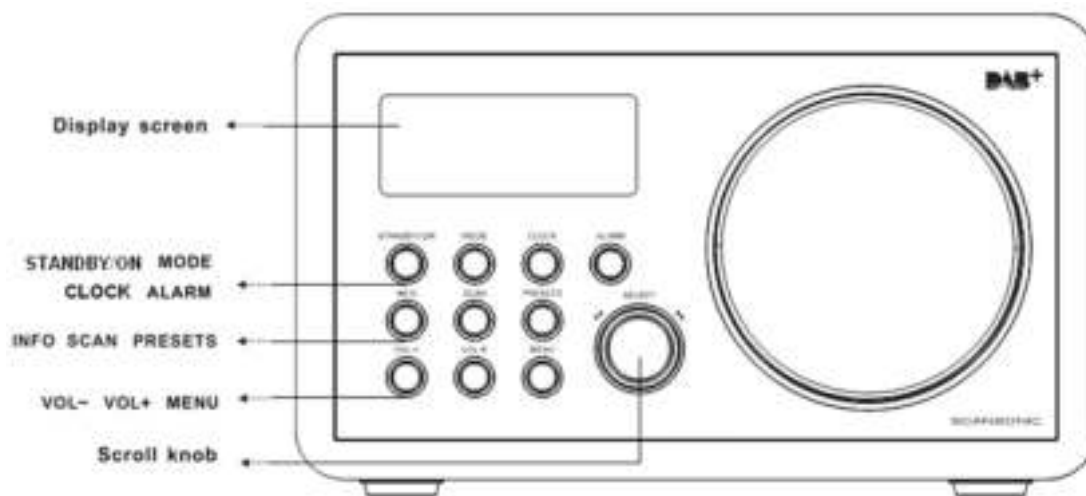
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Package Content

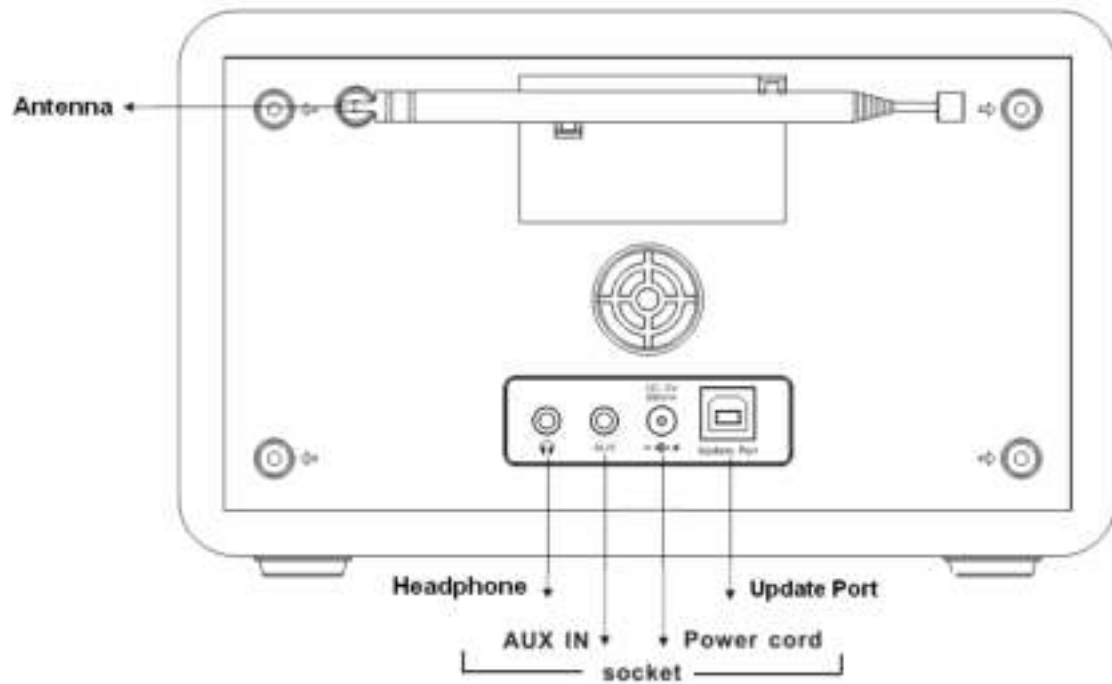
<p>Main Unit</p>	 A line drawing of the Scansonic car stereo main unit. It features a rectangular display screen on the left, a large circular speaker grille on the right, and a control panel in the center. The control panel includes buttons for 'STATION/SCAN', 'BAND', 'SOURCE', 'SLIDER', 'PUSH', 'SCAN', 'PRESET', 'SELECT', 'VOL+', 'VOL-', 'MUTE', 'MAG', and 'RECALL'. The 'DAB+' logo is in the top right corner and 'SCANSONIC' is in the bottom right corner.
<p>Adapter</p>	 A line drawing of a power adapter. It has a two-prong AC power plug on the left and a car cigarette lighter plug on the right, connected by a short cable.
<p>Instruction booklet</p>	 A line drawing of the instruction booklet. The cover features the 'SCANSONIC' logo at the top, followed by the model number 'GR62191' and the text 'DAB+, DAB, FM DIGITAL RADIO'. Below this is a smaller version of the main unit's front panel. At the bottom, it says 'Instruction Manual'.

Front Overview



Control	All mode
STANDBY/ON 	Press to power on/off When alarm is coming , press to turn alarm off
MODE 	Press to shift to another mode
CLOCK 	Press to set clock
ALARM 	Press to set alarm
INFO 	 <u>DAB/DAB+ and FM mode:</u> Press to browse the queue information of currently playing station
SCAN 	 <u>DAB/DAB+ and FM mode:</u> Press to scan stations
PRESETS 	 <u>DAB/DAB+ and FM mode:</u> Press and hold to store presets options, press to recall
VOL+ 	Press to increase volume
VOL- 	Press to decrease volume
MENU 	Press to Main menu or other options
	<ol style="list-style-type: none"> In the following section of this booklet, we shortly name this knob as scroll knob. Turn the knob to view options, press to confirm. <u>When alarm is activated</u>, press to postpone the alarm

Back Overview



<p>Headphone socket:</p>	<ul style="list-style-type: none"> a. A 3.5mm Headphone Socket is available for either headphones or an earpiece. b. Once a plug inserted, the internal loudspeaker will be mute automatically.
<p>AUX IN socket:</p>	<ul style="list-style-type: none"> a. It's for connection of external audio device.
<p>Power cord Socket:</p>	<ul style="list-style-type: none"> a. Please use the power adaptor provided by manufacturer only.
<p>Update Port:</p>	<ul style="list-style-type: none"> a. For professional upgrade purpose only, please leave it to maintenance.

DAB/DAB+ MODE

Turn on


1. Extend the antenna found on the back of radio, press **STANDBY/ON** to switch on radio.



2. For initial use, radio will make a full scan and store detected stations into its memory.




3. Once the scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order and radio will access the first station in the list.

 **Note:** if no DAB/DAB+ signal is found in your area, it may be necessary for you to relocate your radio.

Shift to another DAB/DAB+ Station

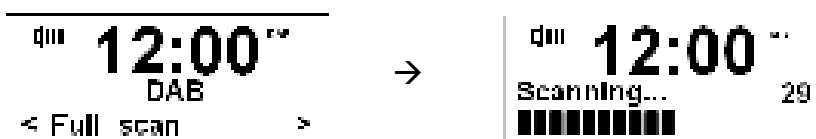
While a program is playing, turn the **scroll knob** to cycle through available stations, press it to confirm and then your radio will connect the selected station.

Update Stations List

 **Note:** to do this order, placing your radio to stronger signal position is highly recommending!

1. Simply press **SCAN**, or

Press **MENU**, while it shows 'Full scan', press the **scroll knob** to confirm.




After a while, the radio can scan all the DAB/DAB+ channels and add any available new stations to the station list.

To Show the Signal Strength

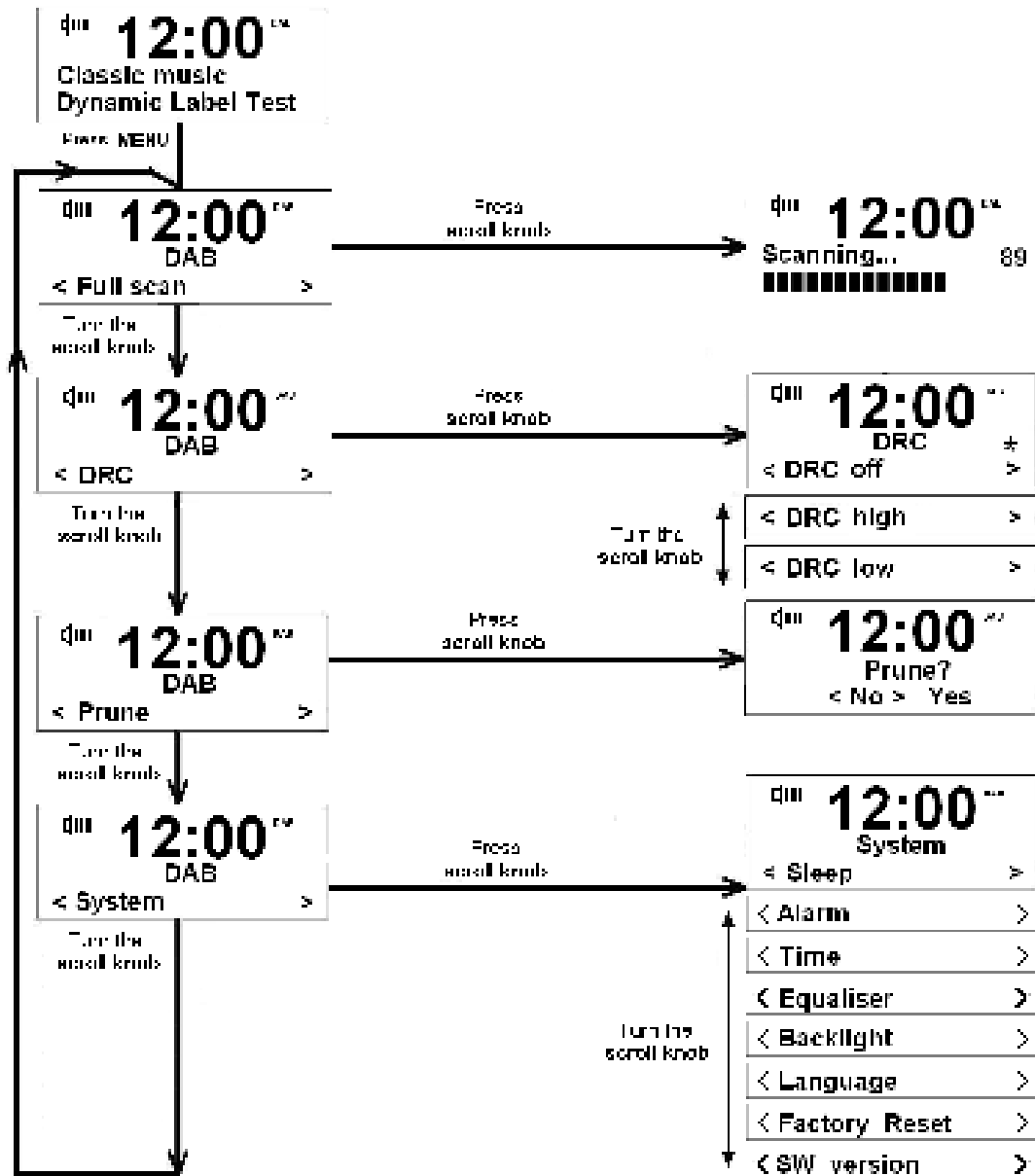
During playing a DAB/DAB+ program, repeatedly press **INFO** until the LCD screen display show a signal bar with the strength of the current station.



The indicator on the signal bar shows the minimum acceptable signal level.


 **Note:** Stations with signal strength below the minimum signal level may not provide a steady stream of audio.

DAB+ Menu Tree

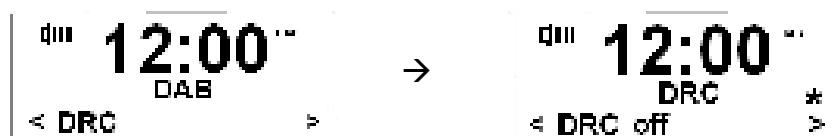


DRC (Dynamic Range Control) value

You can set the compression level of stations to eliminate the differences with dynamic range or sound level between radio stations.


 **Note:** Set DRC to **off** indicates no compression, set DRC to **low** indicates little compression, set DRC to **high** shows maximum compression.

1. Press **MENU** → turn the **scroll knob** to **<DRC>**, press this knob to confirm.



2. Turn the **scroll knob** to your expected option, press this knob to confirm.

The way to Prune

 **Note:** want to remove all inactive stations? it's easy!

1. Press **MENU** → turn the **scroll knob** to **< Prune >**, press this knob to confirm.



2. Turn the **scroll knob** to **'Yes'**, press this knob to confirm.

View Station Information

It is possible to view the information that is displayed on the second line of the display when listening to a DAB/DAB+ or FM program by pressing **INFO** repeatedly.

FM MODE

Tune in FM Mode

1. Press **MODE** to convert radio from DAB mode into FM mode.
2. For initial use, it will start at the beginning of the FM frequency range (87.50MHz). Otherwise, the last listened FM station should be selected.

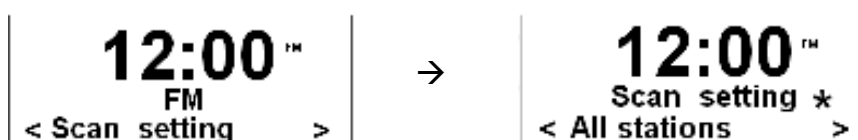


3. To manually change FM frequency, while frequency is showing up, turn the **scroll knob** to change it 0.05MHz per step.
4. To auto-search, simply press **SCAN**, the display will show the frequency changing until it reaches the active station.

Scan setting

- By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations.
- To change the scan settings to stop only at stations with good signal strength, 2 steps:

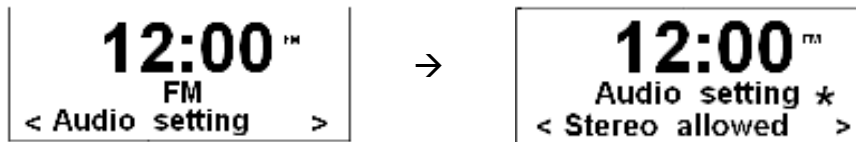
1. Press **MENU**, it will show: **'Scan Setting'**, press the **scroll knob** to confirm.



2. Turn the **scroll knob** to **'Strong stations only'**, press this knob to confirm.

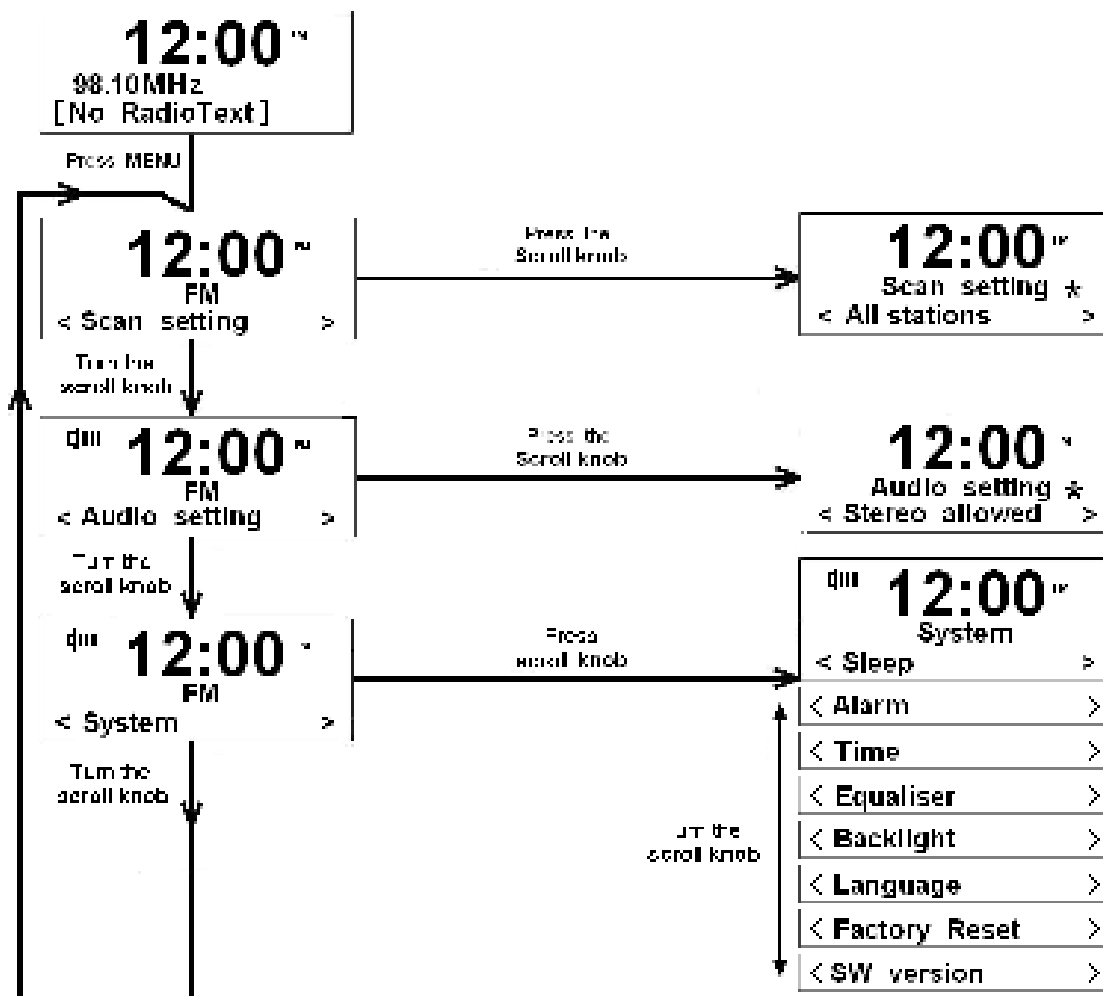
Audio Settings

- ☑ By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss).
- ☑ To play weak stations in mono, 2 steps:
 1. Press **MENU**→ turn the **scroll knob** to '**Audio setting**', press this knob to confirm.



2. Turn the **scroll knob** to '**Forced mono**', press this knob to confirm.

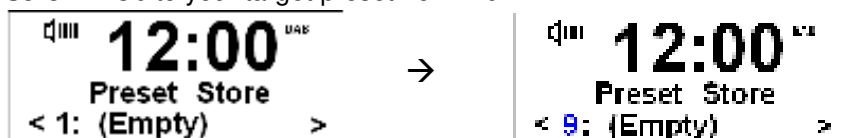
FM Menu Tree



Station Presets (DAB/DAB+ and FM mode)

 **Note:** the way of 'Station preset' and 'Preset Recall' applies to both DAB/DAB+ and FM mode.

1. While playing your favourite station, press and hold **PRESETS** button and then turn the **scroll knob** to your target preset no. 1-10.




2. Press the **scroll knob** to confirm.

Preset Recall (DAB/DAB+ and FM mode)

To select a stored station:

1. Press **MODE** to corresponding mode, press **PRESETS** to enter '**Preset Recall**' setting.
2. Turn the **scroll knob** to your selecting one and then press this knob to confirm.

AUX IN MODE

 **Note:** *AUX IN* allows for quick and easy connection of MP3 player or other external sound sources.

1. Switch radio on and press **MODE**, shift to < **Auxiliary Input Mode** > from FM mode.




2. Using a 3.5mm cable lead, your radio will play the source output through its high quality speaker.
3. Connect one end of the cable lead to the headphone (or auxiliary out) socket of your source device, the other end connect to AUX socket at the rear of your radio.
4. To gain optimal volume levels, adjusting the output volume level on both the unit and source device are recommended.


System setup

The Way to Enter System Setup

1. Press **MENU** → Turn the **scroll knob** to < **System** >, Press this knob to confirm.
2. Turn the **scroll knob** to cycle through the System Menu options: '**Sleep**', '**Alarm**', '**Time**', '**Equaliser**', '**Backlight**', '**Language**', '**Factory Reset**' and '**SW Version**'.

Set Sleep

 **Note:** your radio is smart; it can put itself into sleep mode once upon it receives your order.

1. Refer to below steps 1-2, while it shows '**Sleep**', press the **scroll knob** to confirm, '**Set sleep time ----- sleep off**' hops on.
2. Turn the **scroll knob** to define the sleep period: off/15/30/45/60/90 minutes.
3. Press the **scroll knob** to confirm your expecting timer, meanwhile, sleep icon  hops on



4. Select < **Sleep** > option again and then press the **scroll knob** to check how long the sleep time can be reached.
5. Radio will automatically enter to standby mode once the set time has elapsed.
6. To continue enjoying your program, press **STANDBY/ON**.


Set Time

Press **CLOCK** to enter manual clock setting directly, or

It can be activated from '**System**' → '**Time**', press the **scroll knob** to enter a range of time settings:

- Set 12/24 hour: Set 24 hour' and 'Set 12 hour
- Set Time/Date: manual setting
- Auto update: 'Update from DAB' and 'No update'
- Set date format: 'DD-MM-YYYY' and 'MM-DD-YYYY'

Set Alarm

 **Note:** Setting Alarm, make sure Clock time is set at first.

1. Press **ALARM**, it will invite you “**Alarm 1 Setup**”, press **ALARM** again to access to “**Alarm 2 Setup**”, meanwhile, relevant alarm icon will be twinkling.
2. Take set alarm 1 as an example, while it shows: “**Alarm 1 Setup**”, press the **scroll knob** to confirm.
3. Now, follow your radio instruction, configure the following parameters:

- * **Alarm states:** On or Off

- * **On Time:** 00:00 (**alarm sound time**)

- * **Duration Time:** 15/30/45/60/90 minutes

 **Note:** The alarm will sound until the selected duration time is finished if nobody stops it.

- * **Source:** DAB, FM and Buzzer

- * **Set Days:** Daily, Once, Weekends or Weekdays

- * **Volume level:** Don't set your radio volume level to zero (Mute), otherwise, when alarm is coming, it won't be heard.

- **Postpone Alarm:**

- When alarm is coming, press the **scroll knob** to postpone alarm for 5 minutes, or repeatedly press this knob for a longer snooze.
- Under SNOOZE function, your radio goes into standby mode and counts down how long snooze will be elapsed, want to stop SNOOZE? Press **STANDBY/ON** is okay.
- Radio will start to count down and sound again after it reaches this setting.


- **Turn off Alarm:**

- When alarm is sounding, press **STANDBY/ON**.

- **To cancel the Alarm:**

Refer to above steps1-3, set '**Alarm states**' to '**Off**', and then follow your radio's instructions, until it shows '**Alarm saved**'.

SW Version

 **Note:** The helpdesk may ask you for the software version of your product.

It can be activated from < **System** > → < **SW version** >. Press the **scroll knob** to confirm.


Set Equaliser

 **Note:** Equaliser is a user-defined setting through Bass and Treble adjustment:

- Treble** : +5 to -5.
- Bass** : +5 to -5.

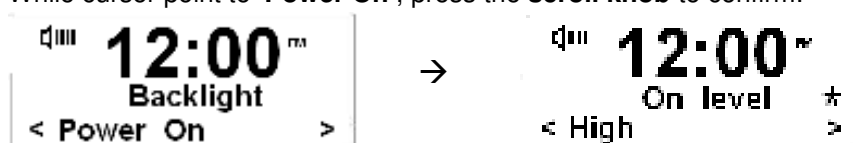
1. It can be activated from **< System >** → **< Equaliser >**. Press the **scroll knob** to confirm.
2. Turn the **scroll knob** to your preferred option: Treble or Bass, press this knob to confirm. .
3. Turn the **scroll knob** to the level you preferred, press this knob to confirm, it is done!

Set Backlight

 **Note:** High backlight provides you a clear view of your radio screen. Low backlight is for energy saving purpose.

Under Power on Condition

1. The path is: Press **MENU** → **< System >** → **< Backlight >**. Press the **scroll knob** to confirm.
2. While cursor point to **'Power On'**, press the **scroll knob** to confirm.



3. Turn the **scroll knob** to browse: **'High'**, **'Low'** and **'Medium'**. Generally, we set **'high'** for **'Power On'** mode.
4. Press the **scroll knob** to confirm.


Under Standby Condition

Its setting principle is exactly same as 'under power on condition', however, set **'Low'** for **'Standby'** mode is recommended.

Set Language

1. It can be activated from **< System >** → **< Language >**. Press the **scroll knob** to confirm.
2. Turn the **scroll knob** to your selecting language type, and then press this knob to confirm.

Factory Reset

 **Note:** Doing this will delete all the preset stations, alarms and time settings, and return the radio to its original factory settings.

1. It can be activated from **< System >** → **< Factory Reset >**. Press the **scroll knob** to confirm.
2. Turn the **scroll knob** to **'Yes'**, and then press this knob to confirm.

Specification

ITEMS	SPECIFICATIONS
Description:	DAB/DAB+, FM Digital radio
Audio Output:	4Wrms
Frequency Ranges:	FM: 87.5-108MHz DAB/DAB+: 174 – 240MHz
LCD Display:	High resolution display
Power Supply:	AC Power Input: 100-240VAC, 50-60Hz <i>(please use our provided adapter)</i>
Dimension:	212mm x 111mm x 123mm



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.