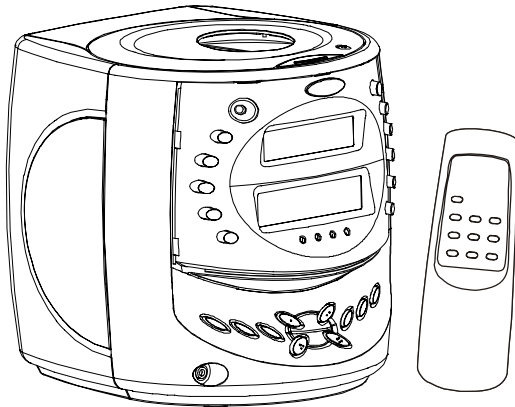


# Goodmans

## CD/DAB/FM Digital Radio & Dual Alarm Clock GCDR1955DAB

### Instruction Manual



### SPECIFICATIONS

<i>Programme Play</i> .....	<i>Up to 20 memories</i>
<i>Earphone output</i> .....	<i>20mW</i>
<i>Power requirement</i> .....	<i>AC 230V</i>
	<i>3 x AAA Battery Clock Memory</i>
<i>Dimension</i> .....	<i>170(W) x195(H) x185(D)mm</i>
<i>Weight</i> .....	<i>1.88Kg not including battery (Main Unit)</i>

*For improvement purposes, specification and design are subject to change without notice*

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## SAFETY PRECAUTIONS

1. As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
2. Stop operation immediately if any liquid or solid object should fall into the cabinet. Unplug the unit and have it checked by qualified personnel.
3. Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
4. Do not put anything in the safety slot. If you do, the laser diode will be ON when the lid is still opened.
5. This unit employs a laser. The use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous radiation.

## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

# 1. IMPORTANT SAFEGUARDS

For your convenience a mains plug with a fuse has been fitted to this appliance. For your safety please observe the following.

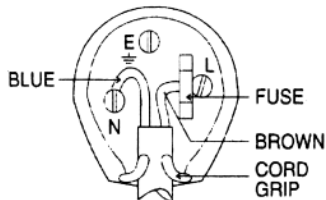
1. Should the fuse fail in the plug remove the plug from the wall socket and replace the fuse with a 3 Amp ASTA approved to BS1362 fuse.
2. Never use the plug without the fuse cover fitted. Replacement fuse covers are available from your dealer or most electrical retail outlets.
3. If the mains plug is cut off from the cable, rewire the replacement plug in accordance with the instruction given in this manual.
4. CAUTION: Under no circumstances should the discarded plug be inserted into the mains socket. To prevent a sock hazard carefully dispose of the discarded plug. Do not leave the plug lying around where children might see it.

WARNING: To prevent fire or shock hazard do not expose this unit to rain or moisture.

CAUTION: DANGEROUS VOLTAGES EXIST INSIDE THIS UNIT, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL DISCONNECT FROM MAINS SUPPLY WHEN NOT IN USE.

## MAINS PLUG WIRING DETAILS

accordance with following wiring codes:



The wires in this mains lead are coloured in accordance with the following wiring codes:

Blue-----Neutral  
Brown-----live

The wires in this mains lead must be connected to the terminals in the plugs as follow:

Blue Wire-----N or Black  
Brown Wire-----L or Red

Only a 3 Amp fuse should be fitted in the plug or a 5 Amp fuse at the distribution board.

**WARNING: UNDER NO CIRCUMSTANCES MUST THE LIVE OR NEUTRAL WIRES BE CONNECTED TO THE EARTH TERMINAL IN A 3-PIN MAINS PLUG.**



This symbol means that this unit is double insulated.  
An earth connection is not required.

## CAUTION

### CLASS 1 LASER PRODUCT

Use of Controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## CLEANING

Always disconnect unit from power supply before attempting to clean it.

Use soft cloth moistened with soapy water, wipe gently.

Do not use solvents or abrasive material.

## LASER SAFETY

This unit employs a laser. Only qualified service personnel should attempt repair.



**DANGER: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.**

**CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.**

## 2. IMPORTANT NOTES

Your hearing is very important to you and to us so please take care when operation this equipment. The following guidelines are provided for your information.

### *ESTABLISH A SAFE SOUND LEVEL*

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
- Any ringing or discomfort in the ears indicates that the volume is too loud.
- Remember listening for prolonged period of time at high volume levels will harm your hearing.

*Once you have established a comfortable listening level, DO NOT INCREASE THE SOUND LEVEL FURTHER.*

The following list of typical sound levels may assist you in recognising just how loud you have set the volume level.

### *DECIBEL*

<u>Level dB</u>	<u>Example</u>
30dB	Quiet library, soft whisper.
40	Living room, fridge freezer bedroom away from traffic.
50	Normal conversation, quiet office, light traffic.
60	Electric sewing machine.
70	Vacuum cleaner, hair dryer, noisy restaurant.

### *THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE*

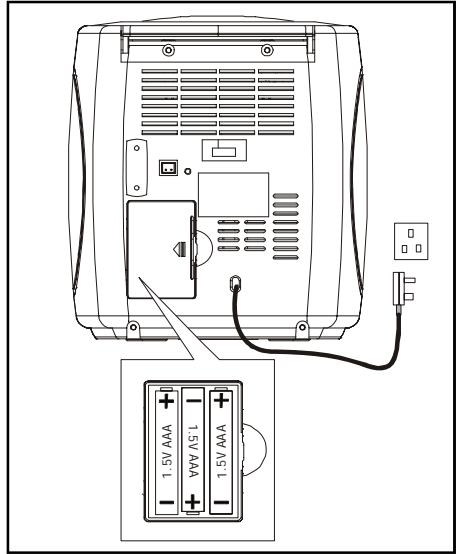
80dB	Average city traffic, alarm clock buzzer at 1 Metre, food mixer.
90	Motorcycle, heavy goods vehicle, petrol lawn mower.
100	Pneumatic drill, chain saw, garbage truck, discotec/night-club.
120	Rock band concert, thunderclap, fast train passing by.
140	<b>THRESHOLD OF PAIN</b> Gunshot, jet plane taking off.
180	Rocket Launching pad.

### 3. POWER SOURCES

#### Power connection

1. Plug the AC 230V Power Cord into an AC household outlet.
2. For battery back up, insert three (3 x AAA) 1.5V batteries (not included) into the battery compartment observing correct polarities.
3. The batteries will maintain time function during a power cut, but not display it.
4. Normal display and function will resume when power is restored, replace the batteries annually.

Note : This is an optional feature, no battery is needed for normal operation.



### 4. PLAYER MAINTENANCE

#### Cleaning the Cabinet

**IMPORTANT :** Disconnect from Main Supply before cleaning.

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

#### Cleaning the Lens

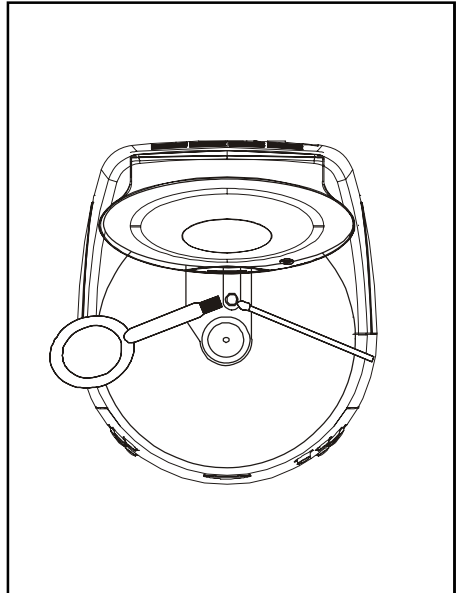
A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as follow :

##### Dust Dry Particles

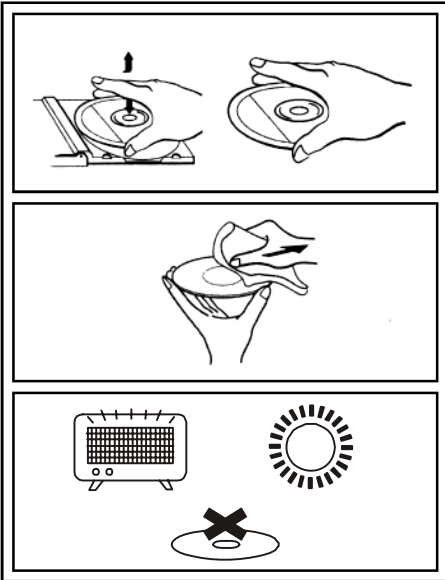
Using a camera lens brush/blower, blow on the lens couple times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.

##### Finger prints

If the lens cannot be cleaned by using a brush/blower, use a dry cotton swab.



## 5. DISC CLEANING, POWER FAILURE



### Cleaning the Disc

1. To handle a disc use only one of the two following methods.

Note : Do not touch the rainbow-coloured side.

2. To wipe a disc, use only a soft cloth. Do not use benzene or thinner which will damage the disc. The disc should always be wiped in a straight line from the centre to the edge. It should never be wiped in a circular motion.

3. Never place the disc on other equipment or near any heat source. Avoid positions where the disc would be subjected to direct sunlight for long periods.

### Power failure

When AC power is interrupted, both time and alarm settings will be lost (unless 3 x AAA batteries (not supplied) are installed) after power is restored. The digital display will blink to show power was interrupted. You must reset time and alarm times.

### Battery back up

To keep alarm time and time of day settings in memory during a brief power failure or accidental AC cord unplugged, install 3 x AAA batteries (not supplied) into the Battery Compartment on the rear of the unit.

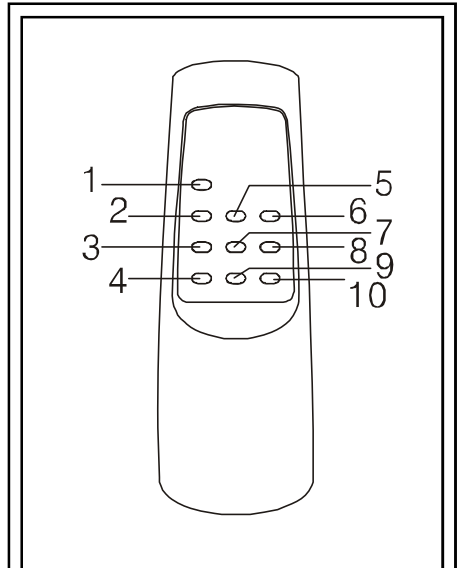
### Maintenance and care

1. Electronic products should never be subjected to extreme temperatures nor high humidity to ensure good performance and a long life-time. The clock radio should not be placed in bathing areas, or around stoves and radiators, etc. Always leave sufficient space around the unit for ventilation.

2. If necessary, only clean the cabinet of the unit with a soft dampened piece of cloth. (be sure the AC power cord is unplugged from the outlet) Never use a polish or a strong detergent for cleaning since this can damage the finish of the cabinet.

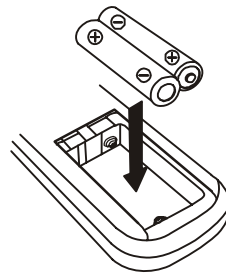
## 6. REMOTE CONTROL LOCATIONS

1. STANDBY/AL/CD STOP BUTTON
2. CD/PLAY/PAUSE BUTTON
3. FM/DAB BUTTON
4. MUTE BUTTON
5. SKIP DN / FR / SELECT DN BUTTON
6. SKIP UP / FF / SELECT UP BUTTON
7. SLEEP BUTTON
8. SELECT BUTTON
9. VOLUME DN BUTTON
10. VOLUME UP BUTTON



1. Press down on the triangular mark of the compartment cover, and slide the cover off to open the compartment.
2. Insert 2 x AAA or LR03 batteries in the remote batteries in the remote control observing to the polarity markings ( "+" and "-" ) inside the compartment and on the batteries.
3. Place the cover over the compartment, press down lightly, and push it upward until it snaps on.

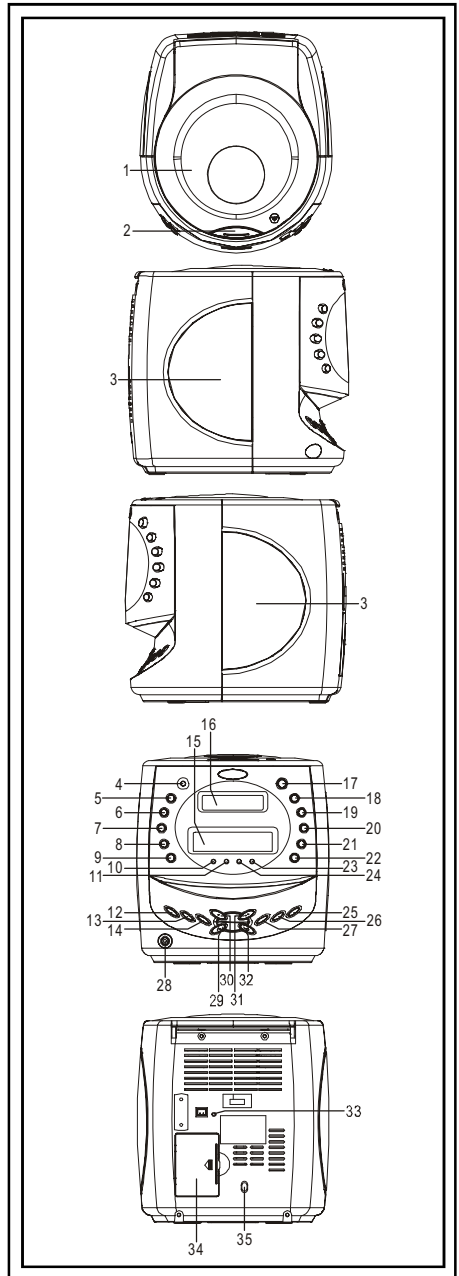
### *Installing batteries into the remote control unit*



**\*\* BATTERIES NOT INCLUDED \*\***

## 7. LOCATION OF CONTROLS

1. CD DOOR
2. SNOOZE BUTTON
3. SPEAKER
4. IR SENSOR
5. STANDBY/AL/CD STOP BUTTON
6. CD PLAY/PAUSE BUTTON
7. FM/DAB BUTTON
8. REPEAT / AUTOTUNE BUTTON
9. RANDOM / INFO BUTTON
10. POWER ON/MUTE INDICATOR
11. ALARM 1 INDICATOR
12. SELECT BUTTON
13. SKIP DN / FR / SELECT DN BUTTON
14. SKIP UP / FF / SELECT UP BUTTON
15. CLOCK / CD DISPLAY
16. FM/DAB DISPLAY
17. CD DOOR OPEN BUTTON
18. CLOCK DIMMER BUTTON
19. SLEEP BUTTON
20. ALARM 1 BUTTON
21. ALARM 2 BUTTON
22. DISPLAY/AL SET BUTTON
23. SLEEP INDICATOR
24. ALARM 2 INDICATOR
25. PROGRAM/C-ADJ BUTTON
26. VOLUME UP BUTTON
27. VOLUME DN BUTTON
28. HEADPHONE JACK
29. PRESET 3 BUTTON
30. PRESET 1 BUTTON
31. PRESET 2 BUTTON
32. PRESET 4 BUTTON
33. DAB/FM WIRE AERIAL
34. BATTERY DOOR
35. AC POWER CORD



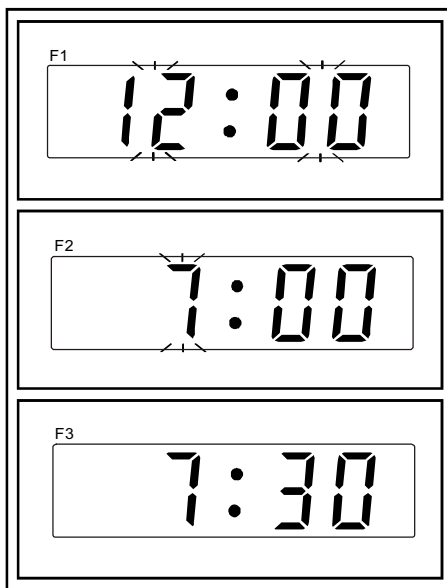


## 8. SETTING THE CLOCK

When the unit is connected to the power for the first time, it will be in Standby, the red power indicator will come on and the LED display will show "0:00" and will flash. Do not press the STANDBY button, the clock must be set in the Standby mode.

(F.1)

1. Ensure the unit is in Standby mode (Standby indicator is ON).
2. Press and hold the PROGRAM/C-ADJ button until the "hour" digit flashes in the display, then press the SKIP UP/FF and the SKIP DN/FR buttons to set the correct hour. (F.2)
3. Press the PROGRAM/C-ADJ button to confirm the hour and the "minute" digits will flash, press the SKIP UP/FF and the SKIP DN/FR buttons to set the correct minute.



4. Again press the PROGRAM/C-ADJ button to confirm and the clock is set. (F.3)

## 9. SETTING THE WAKE-UP TIME

1. Press and hold the DISPLAY/AL SET button for more than 2 seconds until the "hour" digit flash in the display, the Alarm 1 LED indicator will also flash, press the SKIP UP/FF and the SKIP DN/FR buttons to set the desired hour.
2. Press the PROGRAM/C-ADJ button to confirm the hour and the "minute" digit will flash, press the SKIP UP/FF and the SKIP DN/FR buttons to set the desired minute.
3. Again press the PROGRAM/C-ADJ button to confirm and the time for the Alarm 1 is set.
4. The Alarm 2 LED indicator and the "hour" digit in the display will then flash, repeat the above procedure to set the time for the Alarm 2.
5. To check the Alarm time, press the DISPLAY/AL SET button, repeatedly until the corresponding LED indicator flashes. The time shown in the clock display is the time set for that alarm.

## 10. ALARM FUNCTION

This unit incorporates an identical Dual Alarm function. You can set the alarm to wake you to an electronic buzzer tone, the radio or your favourite CD.

First press the DISPLAY/AL SET button on the front panel to check the wake up time settings. Adjust the wake up time if necessary. Then press the ALARM 1 or the ALARM 2 button to activate the Alarm and its associated wake up modes as described in "setting the wake up time" on page 7. The LED indicators will light up in three different colours to show the different wake up mode settings:

### Wake to Buzzer (Green indicator)

1. Repeatedly press the ALARM button (1 or 2) until the LED indicator turn green.
2. Press the STANDBY button to turn the unit to Standby.
3. At the selected wake up time, the buzzer will sound. It will continue for one hour and then shut off automatically. To stop the alarm during this hour, press STANDBY button once.
4. When the buzzer is sounding, press the VOL UP or DN button to set the default buzzer level (high or low).

### Wake to FM/DAB (Red indicator)

1. Repeatedly press the ALARM button (1 or 2) until the LED indicator turns red.
2. Press the FM/DAB button to select FM or DAB mode, tune to the desired radio station and adjust the volume to a sufficient level.
3. Press the STANDBY button to turn the unit to Standby.
4. At the selected wake up time, the radio will turn on. It will continue for one hour and then shut off automatically. To stop the radio during this hour, press STANDBY button once.

### Wake to CD (Orange indicator)

1. Repeatedly press the ALARM button (1 or 2) until the LED indicator goes to orange.
2. CD will flash in the clock display and the track number, press the SKIP UP/FF and the SKIP DN/FR buttons to select the desired wake up track.
3. Load the CD, begin playback and adjust the volume to a sufficient level.
4. Press the STANDBY button to turn the unit to Standby.
5. At the selected wake up time, the CD will begin to play from the selected track. It will continue for one hour or until the end of the disc, and then shut off automatically. To stop the CD during this time, press the STANDBY button once.
6. If the CD is not recognized or no disc is inserted, the buzzer will sound.

### Automatic alarm repeat

The alarm will automatically repeat each day at the selected wake up time as long as the Alarm indicators are lit. To cancel the alarm, press the ALARM button (1 or 2) until the indicators are turned off.

**Note:** *The Alarm that is set to turn on first will have the priority and it would continue for a one hour duration, the Snooze function will just switch off this Alarm off temporary during this duration, so if the second Alarm is set to turn on in this period, it will not function. But if the first Alarm is switched off before the time, the second alarm is set for, then the second Alarm will be activated.*

## 11. VOLUME OPERATION

Press the VOLUME UP/DN button on the unit or (remote control) to set the sound level. To mute the sound, press MUTE button on the remote control, the "MUTE" indicator will flash. To resume the sound, press the MUTE button again or just press the VOLUME UP/DN button to disable the MUTE function.

## 12. CLOCK DIMMER OPERATION

Press the CLOCK DIMMER button on the front panel to adjust the brightness of the LED display, between bright and dim settings.

## 13. DAB OPERATION

### *Hints for better reception*

This unit uses a single DAB/FM lead wire aerial, to obtain the best performance, the aerial should be fully extended and the position adjusted until the best reception. For ideal DAB reception, the aerial should be positioned in a vertical position (keeping it upward or downward behind the unit) is highly recommended.

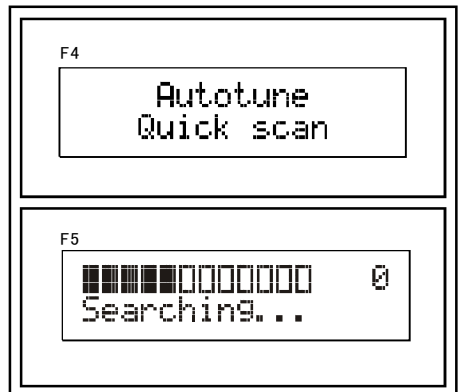
### *DAB Mode*

When the unit is first powered up, it will automatically enter into the DAB mode and perform DAB auto tune full scan function, the display will show a slide bar to indicate the progress of the scan. Unlike normal radio, the separate signals from a number of stations are grouped together and transmitted in a single frequency; these groups are referred to as multiplexes and ensembles. Every time one of these groups are found, the name of that group will be displayed on the bottom half of the display.

### *Auto Tune Modes*

There are two types of auto tune modes, one is quick scan and the other is full scan. Quick scan will only search for the UK DAB Band III channels and full scan will search all DAB Band III channels. Once the scan has finished, the radio will select the first alphanumerically found station.

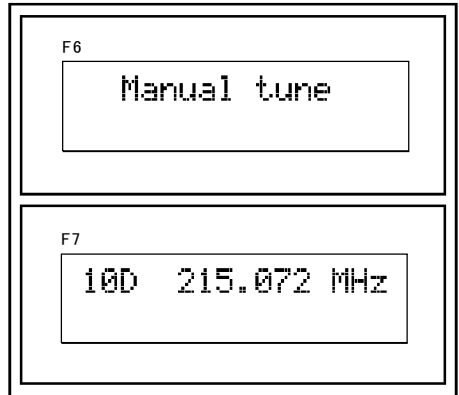
1. To activate the quick scan, press the AUTOTUNE button once, the display will show "Autotune Quick scan" (F.4) and then a progressing slide bar and "Searching" (F.5)
2. To activate full scan, press and hold the AUTOTUNE button until the display shows "Autotune Full scan".
3. To explore the stations that have been found, press the SELECT UP or DN button.



## 13. DAB OPERATION

### Manual Tuning

1. To select manual tuning, press and hold the SELECT button until the display shows "Manual tune". (F.6)
2. Press the SELECT UP or DN button to move through the DAB channels, on the top half of the display will show "5A" to "13F" and their associated frequencies. When your radio locates a station group (ensemble/multiplex) on one of the DAB channels, the name of the station group will appear on the bottom half of the display. (F.7)



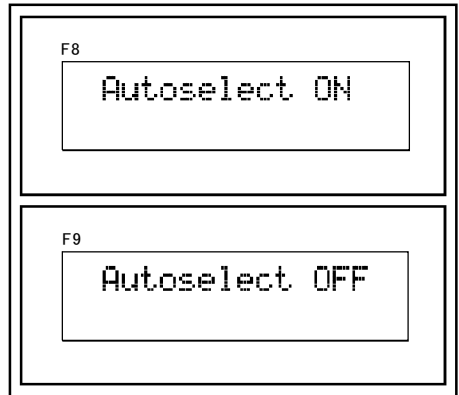
### Selecting a radio station

1. To enter the ensemble/multiplex, press the SELECT button, the top half of the display will show the first station in the ensemble/multiplex.
2. Press the SELECT UP or DN button to see what stations are present on the found ensemble/multiplex, when you have located your desired station, press the SELECT button, and at the same time, the unit will return to the auto tuning mode.

### Auto select On/OFF

To toggle between the auto select "ON" and "OFF", press the SELECT UP or DN button and then quickly press and hold the SELECT button until the display shows the "Autoselect ON" or "Autoselect OFF". (F.8) (F.9)

If Autoselect is on, the skip UP/DN button are used to select a station. When the button is released the station is automatically selected and tuned to. If autoselect is off, press the select button to tune to a station after selecting it using Skip UP/DN button. If select is not pressed within 4 seconds the display will revert to the original station.



### Presets

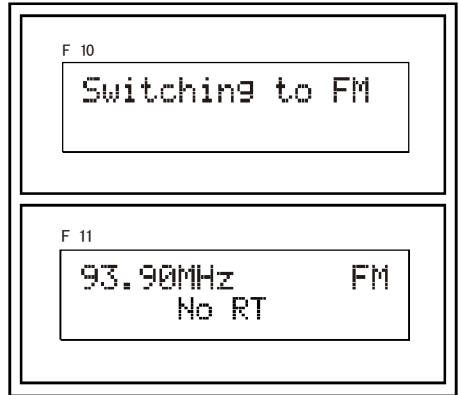
You can store up to 4 of your favourite stations to the preset; this will enable you to get access to your favourite station at a touch of a single button.

1. To store a preset, first tune to your desired station, then press and hold your preferred PRESET button (1 - 4) until the display shows "Preset & stored".
2. To recall a preset station, press the PRESET button (1 - 4) that you have stored.
3. If you press a preset that has not been allocated a station, the display will show "Preset & empty".

## 14. FM OPERATION

### Auto Tuning

1. To select FM, repeatedly press the FM/DAB button, until the display will show "Switching to FM" and the unit will then automatically tune to the nearest station. On the top half of the display will show the station name or the frequency if the RDS station name is not available. (F.10) (F.11)
2. To activate auto search up, press the AUTOTUNE button, the unit will start scanning up the frequency band and stop automatically once a station has been found.
3. Press and hold the AUTOTUNE button to scan down the frequency band.



### Manual Tuning

To manually search, repeatedly press the SELECT UP or DN button, until the required station is found.

### Mono /Stereo

This unit will receive the selected station automatically in stereo if broadcasted in STEREO and the reception is strong enough. If this stereo reception has a large amount of noise (hiss), press the SELECT button until MONO is shown on display. To return to stereo reception press the SELECT button until auto is shown.

### Presets

You can store up to 4 of your favourite stations to the preset; this will enable you to get access to your favourite station at a touch of a single button.

1. To store a preset, first tune to your desired station, then press and hold your preferred PRESET button (1 - 4) until the display shows "Preset & stored".
2. To recall a preset station, press the PRESET button (1 - 4) that you have stored.
3. If you press a preset that has not been allocated a station, the display will show "Preset & empty".

Note : Each preset will hold 1 DAB and 1 FM station.

## 15. DISPLAY MODES

Every time the INFO button is pressed, the display will cycle through the following display modes:

In FM mode - RadioText > Programme Type > Signal strength > Frequency > Audio mode > RadioText > .....

In DAB mode - Ensemble/Multiplex > Signal strength > Date > DLS (Scrolling text) > Programme Type > Ensemble/Multiplex (Group name) > .....

### DLS

DLS stands for Dynamic Label Segment which is a scrolling message that the broadcaster may include in their transmissions. The message usually includes information such as programme details etc. If no DLS text is available, the display will show "No DLS Text".

### Radio text

The broadcaster can include scrolling text that displays information about the present programme. If the information is not available, the display will show "<RadioText>".

### Programme type

This describes the style of the programme that is being broadcast. If the information is not available, the display will show "<Programme Type>".

### Signal strength

The display will show a slide bar to indicate the signal strength, the stronger the signal, the longer the bar will be from left to right. (F.12)

### Date

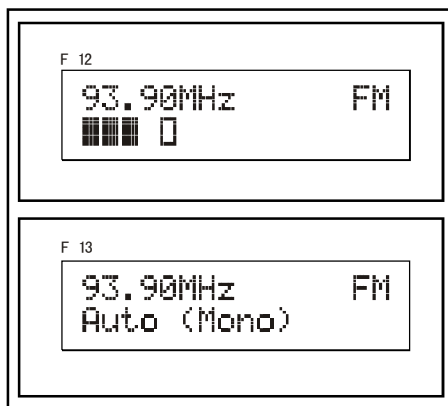
The date will be automatically updated by the broadcasted information; In the unlikely event that no information is received, the display will show "No CT".

### Frequency

The frequency of the present station will be displayed.

### Audio mode

In FM mode, the display will show if the station being received is mono or stereo. (F.13)



If the selected FM station is being received in stereo and there is a large amount of noise (hiss). Repeatedly press the select button until mono is shown in the display. To return to stereo reception repeatedly press until AUTO is shown in the display.

### Ensemble/Multiplex (Group name)

The Ensemble/Multiplex is a collection of radio stations that are bundled and transmitted together in a single frequency. There are national and local multiplexes, local ones contain stations that are specific to that area.

On some occasions you will see a ">" symbol appeared after the name of the station, this indicates that there are secondary services available to that station. These secondary services contain extra services that relate to the primary station.

**Note** : For instruction on how to access secondary services, refer to DAB operation.

## 16. CD OPERATION

**NOTE:** Although this CD player can read CD-R and CD-RW discs in addition to normal CDs, the playability of CD-R and CD-RW discs may be affected by the type of software that was used to create the discs, as well as the quality and condition of the blank media you are using. 100% playability cannot be guaranteed. This is not an indication of a problem with the player.

### *Playing the entire CD*

1. When the unit is ON, press the CD/PLAY/PAUSE button to select CD function.
2. Press the CD OPEN button to open the CD door, insert the disc with the printed label side facing up and then close the CD door.
3. The CLOCK display will first show "cd --" then the first track number and playback will commence automatically.
5. To pause playback, press CD/PLAY/PAUSE, the " : " in the display will flash.
6. To resume playback, press CD/PLAY/PAUSE again.
7. To stop playback, press the STANDBY/AL/CD STOP button.

### Selecting a different track during play

1. To play the next track, press the SKIP UP/FF button once.
2. To play the previous track, press the SKIP DN/FR button twice.
3. Press the SKIP DN/FR button once, the current playing track will be started again from the beginning.

### Repeat play

1. Press the REPEAT button to select repeat play, to repeat the same track only, press the REPEAT button once, the Repeat indicator will flash.
2. To repeat the entire disc, press the REPEAT button again, the Repeat indicator will light up and stop flashing.
3. To cancel repeat play, press the REPEAT button until the Repeat indicator goes off.

### Random play

1. Press the RANDOM button to select random play, the Random indicator will light up.
2. Press the PLAY/PAUSE button to start random play, the tracks will be played randomly.
3. To cancel random play, press the RANDOM button again until the Random indicator goes off.

### Program play

In CD stop mode, a maximum number of 20 tracks can be programmed to play in any desired order.

1. Load the disc as usual and press the STANDBY/AL/CD STOP button if the CD is playing.
2. Press the PROGRAM button, the display will show "cd 01", the Program indicator will light up and flash.
3. Press the SKIP UP/FF or the SKIP DN/FR buttons to select the first track to be programmed.
4. When the desired track appears on the display, press the PROGRAM button, the first track to play is programmed. The display will show "cd 02" and ready for the next entry.
5. Repeat steps 3 & 4 to program other tracks for programmed playback.
6. When you have completed programming, press the PLAY/PAUSE button to begin program play. The Program indicator will light up and stop flashing. Playback will begin on the first track programmed and will continue until the last programmed track has played.
7. To erase the program, in CD stop mode, press the CD STOP button once; in CD play mode, press the STOP button twice, the Program indicator will turn off.

## 17. FACTORY RESET

When you move the radio to another part of the country, your pre-tuned DAB stations may no longer be available and you might need to reset your radio back to its original factory settings; to perform factory reset, please do the following:

1. Ensure the unit is in Standby mode.
2. Press and hold the SELECT button then press the STANDBY button once.
3. Keep pressing the SELECT button until "System reset" is shown in the LCD display.
4. The unit will perform "Autotune Full scan".
5. After the searching (around 1 minute depends on the no. of stations), tune to the stations in the normal manner.

**Note:** *All of your stored DAB & FM presets will be lost once the reset has taken place.*

## 18. SLEEP FUNCTION

### *Set sleep function*

This function allows you to program the unit to switch off itself after a set period of time. You can set your sleep time in either Standby or On mode; if the sleep time is set in Standby, the unit will turn On automatically after the setting is confirmed.

1. To activate the Sleep function, press the SLEEP button, the LED display will show 90 and the Sleep indicator will light up.
2. To set the sleep time, press and hold the SLEEP button, the time in the display will change in the below sequence: 90>80>70>...>20>10>9>8>.....>3>2>1>90>80>. When the display shows your desired sleep time, release the SLEEP button, the sleep time is now set.
3. To cancel sleep, press the SLEEP button once again, the Sleep indicator will go off.



## 19. PRODUCT SPECIFICATIONS

### PICK-UP

<i>System</i>	<i>Compact disc digital audio system</i>
<i>Laser diode</i>	<i>Sanyo : DI-3150-101</i>
<i>Properties</i>	<i>Wavelength : <math>\lambda = 790 \text{ nm} \pm 30 \text{ nm}</math> Emission Duration : continuous Laser out : <math>&lt; 44.6 \mu\text{W}</math></i>

### AUDIO

<i>D/A conversion</i>	<i>1-bit DAC 8 times oversampling</i>
<i>Laser diode</i>	<i>20-20,000Hz (+ 1/-3 dB)</i>
<i>Properties</i>	<i>Below measurable limits</i>
<i>No. of channels</i>	<i>2 channels (stereo)</i>
<i>Output level</i>	<i>Earphone : 20 mW (32 <math>\Omega</math>)</i>
<i>Speakers</i>	<i>3" 8 <math>\Omega</math> x 2</i>

### RADIO

<i>Receiving bands</i>	<i>FM/DAB</i>
<i>Frequency range</i>	<i>FM 87.5 - 108 MHz DAB 174 - 240 MHz</i>

### GENERAL

<i>Power requirements</i>	<i>AC 230V 4.5 Volt battery back-up (3 x AAA)</i>
<i>Power consumption</i>	<i>17W</i>
<i>Dimension</i>	<i>Approx. 170(W) x 195(H) x 185(D)mm</i>
<i>Weight</i>	<i>Approx. 1.88Kg not including battery (Main Unit)</i>

Due to the continual improvement of our products the specifications are subject to change.

## 20. TROUBLESHOOTING GUIDE

Every effort has been made to ensure this product provides optimum performance in all conditions ,however we appreciate that sometimes difficulties may arise and the following table summarises some common problems.

<i>Problem</i>	<i>Possible cause</i>	<i>Remedy</i>
<i>General No Sound</i>	<i>No power to unit</i>	* <i>Check AC supply is connected</i>
	<i>Headphones connected to headphone socket</i>	* <i>Remove headphones</i>
<i>No DAB stations found</i>	<i>Aerial not extended</i>	* <i>Check Aerial position</i> * <i>Use the signal meter on the unit to check for signal</i>
	<i>Outside broadcast area</i>	* <i>Check location reception details at <a href="http://www.drdb.org">www.drdb.org</a> or call 08707 74 74 74</i>
<i>Erroneous information in the display</i>	<i>Temporary memory problem</i>	* <i>Switch the unit off then back ON this will clear the problem</i>
<i>Noisy reception on FM</i>	<i>Aerial Not extended</i>	* <i>Check Aerial and unit position</i> * <i>Use the signal meter on the unit to check for signal</i>
	<i>Weak reception</i>	* <i>Switch unit to Mono mode</i>