

ALBA

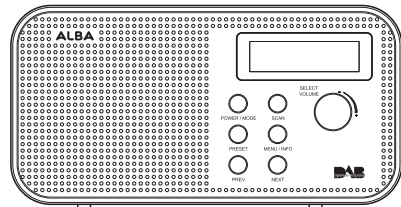
DAB & FM Digital radio Instruction manual

CDAB8312R/T



Table of contents

Disposal information	2
Accessories included	3
Overview of controls	3
Battery installation	4
Mains power	4
Standby & power off mode	4
Getting started	4
Volume	4
DAB operation	4
DAB quick scan	5
DAB full scan	5
DAB manual tune	5
Storing DAB station presets	5
Recalling DAB station presets	5
Pruning	6
Display modes	6
DRC (Dynamic Range Control)	6
FM operation	7
Tuning an FM station	7
Scan mode	7
Audio mode (STEREO/MONO)	7
Storing FM station presets	7
Recalling FM station presets	7
Display modes	7
Display modes (cont)	8
Factory reset	8
Set Time/ Date	8
Set language	9
Backlight settings	9
Timeout	9
On level	9
Dim level	9
DAB availability	9
Instructions for earphone usage	9
Technical specifications	10
Care & maintenance	10



Product Code

CDAB8312R/T



Safety information

Important – Please read these instructions fully before using

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

- Please take the time to follow the instructions in this owner's guide carefully. It will help you set up and operate your system properly and enjoy all of its advanced features.
- Please save this owner's guide for future reference.
- The product label is located on the back of the product.
- Heed all warnings - on the product and in the owner's guide.
- Do not use this apparatus near water or moisture.
- Do not use this product near a bathtub, washbowl, kitchen sink, and laundry tub, in a wet basement, near a swimming pool, or anywhere else that water or moisture is present.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time - to prevent damage to this product.
- Refer all servicing to qualified service personnel
- Servicing is required when the apparatus has been damaged in any way: such as liquid has been spilled or objects have fallen into the apparatus; the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped -
- Do not attempt to service this product yourself.
- Opening or removing covers may expose you to dangerous voltages or other hazards.
- To prevent risk of fire or electric shock, avoid overloading wall outlets, extension cords, or integral convenience receptacles.
- Use suitable power sources - Plug the product into a suitable power source, as described in the operating instructions or as marked on the product.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily accessible.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



This product complies with European low voltage (2006/95/EC) and electromagnetic compatibility (2004/108/EC) directives.



CAUTION

**RISK OF ELECTRIC SHOCK!
DO NOT OPEN!**



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

- Any electrical work that is required to install this appliance **MUST** be carried out by a qualified electrician.
- Before making any electrical connections, ensure the following:
 - Do not bend, stretch or pull the supply cable in order to avoid electric shock.
 - The supply voltage should be the same as that indicated in the technical specifications and the appliance rating plate.
 - When installed, the power socket must be within easy reach.
- If the socket outlets in your home are not suitable for the plug supplied with this unit check with a qualified electrician for replacement.
- The use of multiple connectors or extension cables are not recommended.
- The appliance must be connected to a 100-240 volt 50/60Hz AC supply by means of a three pin socket.
- The main plug is used as the disconnect device, the disconnect device shall remain readily operable.
- In order to disconnect the apparatus from the mains completely, switch off the outlet and remove the mains plug completely.

Disposal information



WEEE marking "Information for the consumer"

Disposal of your old product Your product is designed and manufactured with high quality materials and components, which can be

recycled and reused. When this crossed out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC. Please make yourself aware of the local collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

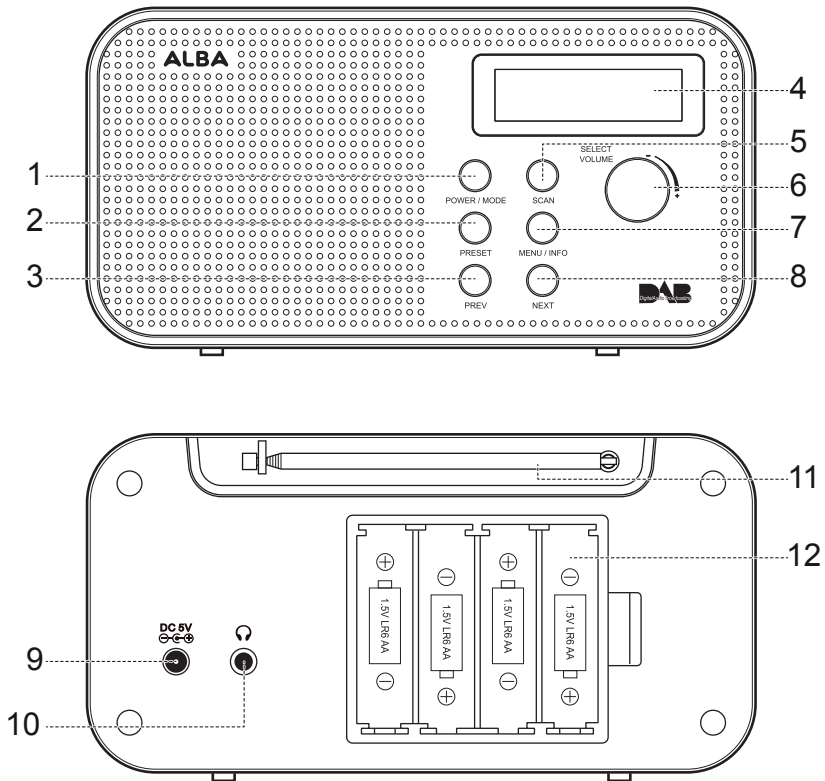
Functions & controls

Please familiarize yourself with the parts and accessories listed below

Accessories included

- 1 x CDAB8312R/T
- 1 x Mains adaptor
- 1 x Instruction manual

Overview of controls



- 1: POWER/MODE button
- 2: PRESET button
- 3: PREVIOUS button
- 4: LCD display

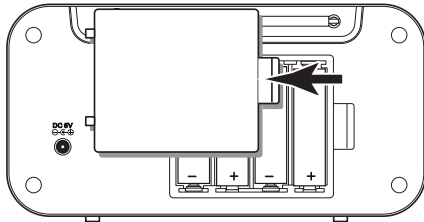
- 5: SCAN button
- 6: VOLUME control /SELECT button
- 7: MENU/INFO button
- 8: NEXT button

- 9: DC MAINS input socket
- 10: EARPHONE output socket
- 11: ANTENNA
- 12: BATTERY compartment

Installation

Battery installation

Follow the below steps to install 4 x AA batteries.



- 1: Un clip the battery cover in the direction indicated on the cover.
- 2: Insert 4 x AA batteries in the sequence shown, observing polarity. The correct direction each battery needs to be installed is indicated inside the battery compartment.
- 3: Refit the battery cover

NOTE: To run the radio on battery power you will need to switch off and disconnect the mains cable if connected.

Mains power

To run the radio from mains power follow the below instructions.

- 1: Connect the **DC** mains plug to the **DC** mains input socket (9) on the rear of the unit.
- 2: Connect the plug to a mains outlet and switch on.

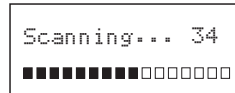
Standby & power off mode

- 1: Press and hold the **POWER/MODE** button (1) for 1 second to put the system into standby mode. The date and time are displayed during standby.
- 2: When in standby mode press and hold the **POWER/MODE** button (1) for 1 second again to enter power off mode. You can use this mode to save battery power or when not using the unit for a long time.
- 3: To resume normal operation press the **POWER/MODE** button (1).

NOTE: This unit is designed to enter **STANDBY** mode automatically after **15 MINUTES (approximately)** if no stations are located. Press the **STANDBY** button to wake the unit.

Getting started

- 1: Extend the telescopic antenna
- 2: Press the **POWER/MODE** button (1) to switch the unit on from **STANDBY** mode.
- 3: After switching the unit **ON**, you will see 'Welcome to Digital Radio' on the display and then a **FULL SCAN** will be performed.



During the full scan mode, the LCD will display a slide bar that indicates the progress of the scan, and the amount of radio stations that have been found so far. Once the scan has finished, the radio will select the first alphanumeric station.

NOTE: The station name will be shown on the top of the display. Information about the DAB radio station will be displayed on the bottom of the display.

Volume

- 1: Rotate the **VOLUME/SELECT** control (6) clockwise to increase the volume level.
- 2: Rotate the **VOLUME/SELECT** control (6) anti-clockwise to decrease the volume level.

DAB operation

Press the **POWER/MODE** button (6) (if in FM mode) to switch to DAB mode. The display will show 'DAB'.

- 1: To listen to the stored **DAB** stations use either **PREV** (3) or **NEXT** (8) buttons to cycle through the stations. When you reach the desired station press the **VOLUME/SELECT** control (2) in to begin playback of that station.

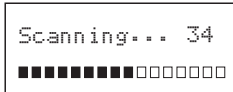
NOTE: If when the unit was switched on, no stations were found, or no DAB stations can be received currently [No DAB station] will be displayed. See the quick or full scan sections.

User instructions

DAB quick scan

To perform a quick scan (searches the UK DAB band III) follow the below steps.

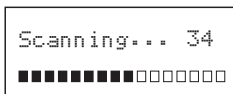
- 1: Press the **SCAN** button (5) to begin the scan. You will see the scan slide chart to indicate the progress.



DAB full scan

To perform a full scan (erases the station database and scans all DAB channels) follow the below steps.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** option appears press the **VOLUME/SELECT** control (6) inwards. You will see the scan slide chart to indicate the progress.



- 3: Once the scan has finished, the radio will select the first alphanumeric station and begin playback.

DAB manual tune

As well as an auto tune function, you can manually tune the receiver. This can help when aligning your aerial or when adding stations that were missed while auto tuning.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** option appears press either **PREV** (3) or **NEXT** (8) buttons to cycle through the menu options until you locate **<Manual Tune>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV** (3) or **NEXT** (8) buttons to cycle through the **DAB** Multiplexes, which are numbered from **5A** to **13F**.
- 4: Now press the **VOLUME/SELECT** control (6) inwards to enter the current ensemble/multiplex, the top line will now display the frequency followed by the ensemble/multiplex information. The unit will scan and store any available stations on the selected ensemble/multiplex.

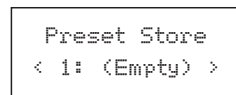
DAB manual tune (cont)

- 5: Press the **VOLUME/SELECT** control (6) once more to return to the Multiplex selection screen. Then press the **MENU/INFO** button (7) twice to return to the default screen.
- 6: To listen to the located **DAB** stations use either **PREV** (3) or **NEXT** (8) buttons to cycle through the stations.

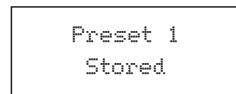
Storing DAB station presets

It is possible to store up to 10 of your favourite DAB stations. This will enable you to access your favourite stations quickly & easily.

- 1: To store a preset, you must first be listening to the station that you would like to save, press and hold the **PRESET** button (2) for 1 seconds. The **LCD** will then show the following.



- 2: Use the **PREV** (3) or **NEXT** (8) buttons to choose the preset number from **1-10** you wish to use. Then press the **VOLUME/SELECT** control (6) to store the preset.



Recalling DAB station presets

- 1: You can recall the preset stations list by pressing the **PRESET** button (2). Then use the **PREV** (3) or **NEXT** (8) buttons to select the preset. Once selected press the **VOLUME/SELECT** control (6) to activate.

NOTE: If you choose a preset that hasn't been allocated a station, then "Preset Empty" will be displayed.

User instructions

Pruning

When the radio has performed a Scan in several locations you may find there are stored stations that you can no longer receive. This function automatically removes them from the stored station list.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<Prune>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to select **YES** or **NO** and press the **VOLUME/SELECT** control (6) inwards to select.

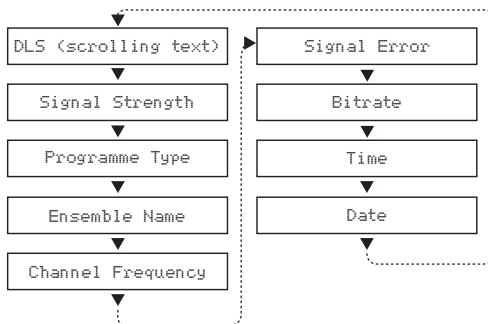
Display modes

Press the **MENU/INFO** button (7), and the bottom section of the display will show a sub text menu with various information about the current station.

Every press of the **MENU/INFO** button changes the information displayed.

This can be better explained in a diagram showing the order of sequence.

NOTE: Once you reach the last info setting the next press will return you to the first setting.



DLS (Dynamic Label Segment)

Dynamic label segment is a scrolling message that the broadcaster may include with their transmissions. This message usually includes information, such as program detail etc.

Signal Strength

Displays how strong the current signal being received is.

Display modes (cont)

Program type

This describes the "Style" or "genre" of music that is being broadcast e.g. "Rock" or "Classical".

Ensemble/Multiplex (Group name)

A multiplex/ensemble is a collection of radio stations that are bundled and transmitted on one frequency. There are national and local multiplexes. Local ones contain stations that are specific to that area e.g. MXR West.

NOTE: DAB – unlike normal radio, groups together several radio stations and transmits them on one frequency.

Channel Frequency

Displays the frequency information for the current station.

Signal Error

Displays information regarding the error rate in the signal.

Bitrate

Displays the current stations bitrate details.

Time & Date

The time & date is set automatically from the DAB broadcast.

DRC (Dynamic Range Control)

This causes the radio to reduce the dynamic range of the audio signal. The purpose of this is to adapt the dynamic range of the audio signal to listening in a noisy environment.

NOTE: this is not available on many DAB stations.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<DRC>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Choose between **DRC** off, **DRC** Low and **DRC** High using the **PREV (3)** or **NEXT (8)** buttons.
- 4: Press the **VOLUME/SELECT** control (6) inwards to select.

User instructions

FM operation

Press the **POWER/MODE** button (6) (if in DAB mode) to switch to FM mode. The display will show 'FM'.

Tuning an FM station

- 1: Extend the telescopic antenna.
- 2: Press and hold either **PREV (3)** or **NEXT (8)** button to scan up or down the frequency range. When a station is found the scan will stop and play the located station.
- 3: You can fine tune the frequency by pressing either **PREV (3)** or **NEXT (8)** button to advance **0.05MHz** with each press.

Scan mode

This function allows you to tailor which stations will be detected when performing a scan.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Scan Setting>** option appears press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to select from **<Strong stations only>** or **<All stations>**. Strong stations only, will only stop at stations with a strong signal. All stations will stop at any station found with a strong or weak signal.
- 4: Press the **VOLUME/SELECT** control (6) inwards to activate the setting.

Audio mode (STEREO/MONO)

Denotes if the broadcast is in Stereo or Mono. To specify that a station can be only played in mono or that stereo is allowed.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Scan Setting>** option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<Audio Setting>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to cycle through the two options **<Forced Mono>** or **<Stereo Allowed>**. Press **SELECT** to select.

Stereo allowed: Means any station broadcast in stereo with a strong enough signal will be played in stereo.

Mono only: Plays ALL stations in mono regardless of the availability of a stereo signal.

Storing FM station presets

It is possible to store up to 10 of your favourite FM stations. This will enable you to access your favourite stations quickly & easily.

- 1: To store a preset, you must first be listening to the station that you would like to save, press and hold the **PRESET** button (2) for **1** seconds. The **LCD** will then show the following.

A rectangular LCD display showing the text "Preset Store" on the top line and "< 1: (Empty) >" on the bottom line.

- 2: Use the **PREV (3)** or **NEXT (8)** buttons to choose the preset number from **1-10** you wish to use. Then press the **VOLUME/SELECT** control (6) to store the preset.

A rectangular LCD display showing the text "Preset 1" on the top line and "Stored" on the bottom line.

Recalling FM station presets

- 1: You can recall the preset stations list by pressing the **PRESET** button (2). Then use the **PREV (3)** or **NEXT (8)** buttons to select the preset. Once selected press the **VOLUME/SELECT** control (6) to activate.

NOTE: If you choose a preset that hasn't been allocated a station, then "Preset Empty" will be displayed.

Display modes

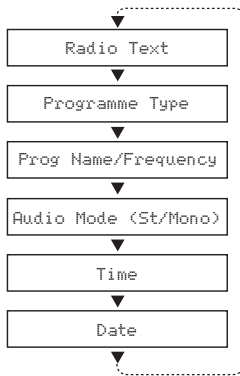
Press the **MENU/INFO** button (7), and the bottom section of the display will show a sub text menu with various information about the current station. Every press of the **MENU/INFO** button changes the information displayed.

This can be better explained in a diagram showing the order of sequence.

NOTE: Once you reach the last info setting the next press will return you to the first setting.

User instructions

Display modes (cont)



Radio Text

Displays scrolling text broadcast by the station (only if broadcast).

Program type

This describes the "Style" or "genre" of music that is being broadcast e.g. "Rock" or "Classical".

Programme Name

Station name (if broadcast). Frequency of the station if no name is broadcast.

Audio Mode

Displays stereo or mono depending on the broadcast being received.

Time / Date

Displays the current time.

Displays the current date.

Factory reset

To reset the radio to the factory settings follow the next steps.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** (DAB) or **<Scan Setting>** (FM) option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<System>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to find the **<Factory Reset>** option and press the **VOLUME/SELECT** control (6) inwards to select.

Factory reset (cont)

- 4: Use the **PREV (3)** or **NEXT (8)** buttons once more to select **<Yes>** and press the **VOLUME/SELECT** control (6) inwards to select.
- 5: The unit will re-start with default settings.

NOTE: performing a factory reset will remove any presets stored in both DAB and FM.

Set Time/ Date

Should you need to set the time & date manually follow the below steps.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan>** (DAB) or **<Scan Setting>** (FM) option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<System>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: When the **<Time>** option appears press the **VOLUME/SELECT** control (6) inwards.
- 4: Inside the **<Time>** menu there are several options. **<Set 12/24 Hour>**, **<Set Time/Date>**, **<Set Date Format>** & **<Auto Update>**.
- 5: **Set 12/24 Hour:** Use the **PREV (3)** or **NEXT (8)** buttons to select **12** or **24** hour and then press the **VOLUME/SELECT** control (6) to activate.
- 6: **Set Time/Date:** When activated the Hour digit flashes, use the **PREV (3)** or **NEXT (8)** buttons to set the digit to the correct hour then press the **VOLUME/SELECT** control (6), repeat the same process for the minute digits, again pressing the **VOLUME/SELECT** control (6) when set. The process for setting the date is exactly the same as the above. Press the **VOLUME/SELECT** control (6) to finalise the setting once complete.
- 7: **Auto Update:** Use the **PREV (3)** or **NEXT (8)** buttons to cycle through the various options for auto setting the time & date. These range from:- **<Update from any>**, **<Update from DAB>**, **<Update from FM>** and **<No update>**. Press the **VOLUME/SELECT** control (6) to store the setting.
- 8: **Set Date Format:** Use the **PREV (3)** or **NEXT (8)** buttons to cycle between **DD-MM-YYYY** or **MM-DD-YYYY**. Press the **VOLUME/SELECT** control (6) button to store the setting.

NOTE: When the power is switched OFF (not standby) the settings will be lost.

User instructions

Set language

Follow the instructions below to select a different UI language.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan> (DAB)** or **<Scan Setting> (FM)** option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<System>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to locate the **<Language>** option and press the **VOLUME/SELECT** control (6) inwards.
- 4: Use the **PREV (3)** or **NEXT (8)** buttons to cycle through the various language options of: - English, French, German & Italian.
- 5: Press the **VOLUME/SELECT** control (6) button to store the setting.

Backlight settings

Follow the below instructions to select the backlight menu. The sections after explain each setting.

- 1: Press and hold the **MENU/INFO** button (7).
- 2: When the **<Full Scan> (DAB)** or **<Scan Setting> (FM)** option appears press either **PREV (3)** or **NEXT (8)** buttons to cycle through the menu options until you locate **<System>**. Press the **VOLUME/SELECT** control (6) inwards to select.
- 3: Use the **PREV (3)** or **NEXT (8)** buttons to locate the **<Backlight>** option and press the **VOLUME/SELECT** control (6) inwards.

Timeout

- 4: Use the **PREV (3)** or **NEXT (8)** buttons to locate the **<Timeout>** option and press the **VOLUME/SELECT** control (6) inwards.
- 5: Use the **PREV (3)** or **NEXT (8)** buttons to cycle through options **10-180** seconds.
- 6: Press the **VOLUME/SELECT** control (6) button to store the setting.

On level

- 4: Use the **PREV (3)** or **NEXT (8)** buttons to locate the **<On level>** option and press the **VOLUME/SELECT** control (6) inwards.
- 5: Use the **PREV (3)** or **NEXT (8)** buttons to cycle through Low or High.
- 6: Press the **VOLUME/SELECT** control (6) button to store the setting.

Dim level

- 4: Use the **PREV (3)** or **NEXT (8)** buttons to locate the **<Dim level>** option and press the **VOLUME/SELECT** control (6) inwards.
- 5: Use the **PREV (3)** or **NEXT (8)** buttons to cycle through Low or High.
- 6: Press the **VOLUME/SELECT** control (6) button to store the setting.

DAB availability

Check how many stations you can get in your area by texting DAB and your postcode to 88600# or find out which stations on the website at:

<http://www.getdigitalradio.com/>

Instructions for earphone usage.

- 1: Connect a pair of earphones with a **3.5mm** jack into the **EARPHONE** socket (10) on the unit.




To prevent possible hearing damage, do not listen at high volume levels for long periods.

If you hear no sound during playback, do not turn the volume up as the music may suddenly begin at a high volume.

Excessive sound pressure from earphones and headphones can cause hearing loss. To avoid damaging your ears, adjust the volume to the lowest safe level before playing, and turn up to the desired level when playback has started.

User instructions

Technical specifications

Mains Input Power: 100-240V~50/60Hz
Adaptor Output Power: DC 5V  1.0A
Power consumption: 4.5W
Output power: 1W 8 Ohms (THD 8%)
Battery: 4 x AA LR6 1.5V
DAB: BAND III 174.928-239.200
FM: 87.5-108 MHz
Headphone Output: 3.5mm stereo jack
Dimensions: 177 x 56 x 91mm

Care & maintenance

Care and cleaning

- All care and cleaning operations should be carried out with the unit unplugged from the mains power.
- Occasionally wipe the cabinet with a lint free duster. Never clean the unit with liquids or solvents.

Troubleshooting

In the unlikely event of difficulties with your appliance please follow the trouble shooting guide below.

If the problem persists, contact the retailer if the machine is still under guarantee.

Customer **helpline: 0870 600 3030**

Problem	Reason(s)	Solution(s)
No Power	<ul style="list-style-type: none">• The power switch is set to OFF• Batteries are flat	<ul style="list-style-type: none">• Set the power switch to the ON position• Replace the batteries or use mains power
Desired station not found	<ul style="list-style-type: none">• Weak signal• Station not available in your area	<ul style="list-style-type: none">• Use the manual tune function• See DAB availability website below
Weak or no DAB signal	<ul style="list-style-type: none">• DAB not available in your area	<ul style="list-style-type: none">• See DAB availability website below
The display is blank	<ul style="list-style-type: none">• This may occur if the broadcaster changes the label of a service or removes a label while tuned.	<ul style="list-style-type: none">• The unit will try to re-tune. If not perform a new scan
I can hear a burbling noise on some stations	<ul style="list-style-type: none">• Battery power is low• Weak signal	<ul style="list-style-type: none">• Replace the batteries or use mains power• Try re-positioning the antenna
No sound	<ul style="list-style-type: none">• Volume set to minimum	<ul style="list-style-type: none">• Increase the volume level

Guarantee

ALBA

PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of



Year

This product is guaranteed for twelve months from the date of original purchase.

Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Limited
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW

ALBA