

Pearl P100

USER MANUAL



AZATOM
NEXT GENERATION SOUND



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Thank You for purchasing the Pearl P100 for your home.

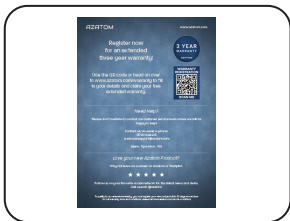
To make the most of its features, we suggest reading the instruction manual thoroughly, which includes hints and tips to assist in resolving any problems. Please go through all the safety guidelines before using it and keep this manual for future reference.

Package Contents

Remove all items from the packaging. Retain the packaging. If you dispose of it please do so according to local regulations.

The following items are included:

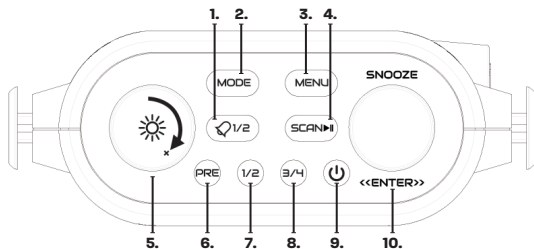
1. Pearl P100 DAB Radio
2. USB Type C Power Adapter
3. User Manual
4. Warranty Card



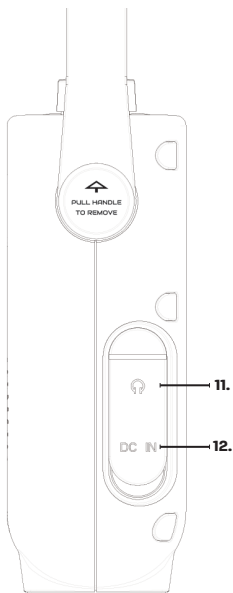
Please read the manual thoroughly before operating the device

Caution: Only use the supplied power adapter for this device. Do not use for other devices

Controls & Interface



1. Alarm 1 / 2
2. Mode: DAB / FM / BT
3. Menu
4. Scan / Play / Pause
5. Volume / Dimmer
6. Preset
7. Preset 1 / 2
8. Preset 1 / 3
9. Power On / Off
10. Snooze / << Enter >>
11. Headphones / Reset
12. DC 5V (USB Type C)



Operating Your Radio

1. The Antenna is built into the handle. Be careful to only take the handle off from one side if you need to hang the radio.
2. Press and hold the **POWER** button until your radio switches on. The display will show "**Azatom - Digital Radio.**" If the radio does not switch on, connect the radio mains adapter and charge the battery.
3. If this is the first time using the unit, it will go into **DAB Mode** and automatically start an 'Auto Scan' to search for available stations. *(If DAB Mode has been previously utilized, the radio will automatically choose the most recently played station when it is switched back on after being powered off.)*
4. Pressing **SCAN** at any time will automatically scan and store stations. *(During the scanning process, the lower line of the display shows a bar graph indicating progress of the scan.)*
5. When the scan is complete the first station (in alphanumeric order) will be selected. The clock will automatically set to the current time.
6. If the station list is still empty after the scan your radio will display "**Service Not Available**".
7. If no stations are found, please ensure the aerial is extended and test the reception by doing another auto scan in a different location.

Please note:

You can only set the Pearl Radio into Standby mode whilst the radio is connected to the mains. This is to protect the battery life when in use as standby will still drain the battery.

DAB Radio

Selecting a Station

With your radio powered on, carefully extend the telescopic aerial fully.

1. Press **MODE** to enter "**DAB**" mode.
2. The top line of the display shows the name of the station currently selected.
3. Press the <</>> dial to cycle through the list of available stations and press **ENTER** to tune into that station.

Auto Scan

To find new stations you can auto scan as follows.

1. Pressing and holding the **SCAN** button when in DAB mode will automatically scan and store stations.
2. Or Press **MENU**, then turn dial to highlight "**Full Scan**" and press **ENTER**.
3. The display will show "Scanning..." and your radio will perform a scan of the Band III DAB channels.

As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the radio.

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Secondary Services - DAB

1. Some radio stations have additional secondary services associated with them. If a radio station has a secondary service associated with it the display will show ">>" next to the station name on the station list. The secondary service will then appear immediately after the primary services as you turn the dial.
2. Press **ENTER** to confirm the station selection.
3. When the secondary service shuts down, your radio will automatically switch back to the main radio station if it is available.

DAB Manual Tune

Manual tuning allows you to tune to the various DAB Band III channels. UK DAB stations located in the range 11B to 12D. This function is mainly used to assist the positioning of the aerial or the radio to optimise reception for a specific channel or frequency.

1. Press **MENU**, then turn dial to highlight "**Manual Tune**" and press **ENTER**.
2. Using the dial, highlight your desired channel frequency and press **ENTER**.
3. The graph will indicate the signal strength, and the upper line will show the name of the DAB multiplex (group of radio stations). Any stations found will be added to the stored list in the radio.
4. Press **ENTER** to return to the normal radio mode.

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Prune

Prune : (To remove stations which are listed but unavailable).

1. In DAB mode, press **MENU** and turn the dial until "**Prune**" is highlighted on the display then press **ENTER**.
2. Turn the dial to find "**YES**". Press **ENTER** button to confirm to prune.

Note: this removes all the invalid stations indicated in the station list with a "?" in front of the station name.

Dynamic Range Control

Dynamic Range Control (also known as **DRC**) can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press **MODE** to enter "**DAB**" mode.
2. Press **MENU** then turn dial until the display shows "**DRC**". Press **ENTER** to enter the settings menu.
3. Turn the dial to select the required DRC setting (the default is OFF).

DRC OFF - DRC is switched off, broadcast DRC will be ignored.

DRC LOW - DRC level is set to 1/2 that sent by broadcaster.

DRC HIGH - DRC level is sued as sent by broadcaster.

4. Press **ENTER** to confirm the setting. The display will return to the previous display.

Note: Not all DAB broadcasts are able to use the DRC function. If the broadcaster does not support DRC, then the DRC setting in the radio will have no effect.

FM Radio

Selecting a Station

With your radio powered on, carefully extend the telescopic aerial fully.

1. Press **MODE** to enter "**FM**" mode.
2. The top line of the display shows the frequency of the station currently selected.
3. Turn the <</>> dial once to cycle through the list of frequencies 0.05mHz at a time.

Auto Scan

1. Press **MODE** to enter "**FM**" mode.
2. Press the **SCAN** button. Your radio will begin scanning for the next available frequency and will immediately play that station.
3. You can also press and hold the << / >> buttons, to fast search to the next available FM station.

Display Settings

Backlight Auto Setting:

1. Press **MENU** and turn dial until "**Settings** " is highlighted on the display then press **ENTER**.
2. Turn the dial until "**Backlight**" is highlighted on the display then press **ENTER**.
3. Turn the dial until "**Backlight Auto**" is highlighted on the display then press **ENTER**.
4. Turn dial to choose between **10, 20, 30, 45, 60, 90, 120, 180 seconds**, or **ON**

Using Presets

You can save your preferred DAB and FM radio stations to the preset station memories. Your radio has a total of 80 memory presets, with 40 allocated for DAB and 40 for FM. The steps to store presets are the same for both DAB and FM modes.

1. With the radio powered on, Press **MODE** button to choose "**DAB**" or "**FM**" mode.
2. **IMPORTANT:** Make sure the station you want to preset is actually playing.
3. Press and hold the **PRE** button until you see "**Preset store**" highlighted on the screen (not "**Preset Recall**")
4. Turn the dial to scroll along to the desired preset number that you wish to store the station to (1-40) and press **ENTER**.
5. Once correctly stored, "**Preset 01 Stored**" will display on the screen. The station will be stored under the chosen preset. Repeat this process for any other stations you wish to save.

Note: Stations which have been stored in a preset slot may be overwritten by following the above procedure and selecting a already used slot.

Fast Preset

Use the numbered buttons "**1/2** and "**3/4**" on the radio. Play the station you want to Preset. Press and hold the numbered button "**1/2** or "**3/4**" until you see "**Preset stored**". You can choose any of the preset number buttons. The maximum number of presets you can save this way is 4.

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Recalling Presets:

1. With the radio powered on, Press **MODE** button to choose “**DAB**” or “**FM**” mode.
2. Press the **PRE** button to see “**Preset Recall**” not “**Preset Store**”
3. Using the dial, scroll along to the desired preset number that you wish to play and press **ENTER**.

Note: If you have not previously stored a preset station and the preset button is pressed “Empty preset” will be displayed.

Fast Preset Recall

If you have already saved your presets you can choose which one to play with the fast recall buttons. Pressing the numbered buttons “**1/2** and **3/4**” once will recall your saved stations. The maximum number of presets you can recall this way is 4

Bluetooth

To pair your device via Bluetooth for the first time:

1. Press **MODE** until "**BT**" is highlighted on the display then press **ENTER**.
2. After a few seconds, the speaker will automatically go into pairing mode.
3. On your Bluetooth device (such as mobile phone) do a search and once available please select "**Azatom Pearl**".
4. Once connected, the screen will say "**Bluetooth connected**".
5. You can press the ►|| button on the top of the Pearl to play and pause your music.

Sleep Timer

Your radio can be set to turn off after a preset time period has elapsed. The sleep setting can be adjusted from 15 to 90 minutes.

1. Press **MENU** and turn the dial until "**Settings**" is highlighted on the display then press **ENTER**.
2. Turn the dial until "**Set Sleep Time**" is highlighted on the display then press **ENTER**.
3. Using the dial, set the desired sleep time between **15, 30, 45, 60** and **90 minutes** or **Sleep Off** which will cancel the sleep time.
4. Press **ENTER** to confirm the setting. The sleep timer indicator will show on the display. Your radio will switch off after the preset sleep time has elapsed.

Time & Date Settings

If there is no DAB/FM signal is available, you will need to set the time and date manually when turned on for the first time.

1. Press **MENU** and use the dial until "**Settings**" is highlighted on the display then press **ENTER**.
2. Turn the dial until "**Time/Date**" is highlighted on the display then press **ENTER**.
3. Using the dial select "**Set Time/Date**" then press **ENTER**. You can also use the dial to select the Auto Update, 12/24 Hour Modes and Date Format.
4. Use the dial to set the correct time and date and press **ENTER** to confirm.

Alarm Settings

NOTE 1 : THE ALARM CAN ONLY BE SET WHEN CONNECTED TO THE MAINS POWER. THIS IS INCASE THE BATTERY BECOMES EMPTY WHILST ASLEEP.

NOTE 2: THE PLEASE SELECT A RADIO STATION BEFORE SETTING THE ALARM. You will be given the option to choose from last station used or one of your favourite preset channels.

1. Press **ALARM 1/2** to enter the setting menu. Press **ALARM** again to choose between **ALARM 1** or **ALARM 2**. Press **ENTER** to choose either setup.
2. Turn the dial to set the alarm time and press **ENTER** to confirm.
3. Turn the dial to chose a duration: **15, 30, 45, 60, 75, 90 minutes** and press **ENTER** to confirm.
4. Turn the dial to set the alarm source and press **ENTER** to confirm.
5. Turn dial to set when the alarm is active. (*Once / Daily / Weekdays / Weekends*). Press **ENTER** to confirm.
6. Turn dial to set the alarm volume and press **ENTER** to confirm.
7. Turn dial to choose whether you want the alarm **ON/OFF** and press **ENTER** to confirm.

Stop Alarm

When the alarm is sounding you can press **Alarm 1/2** button one time to stop the alarm sound. The radio will then return to Standby mode.

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Enable & Disable Alarms

You can enable and disable set alarms quick and easy:

1. Press and hold **Alarm 1/2** will enable Alarm 1
2. Press and hold **Alarm 1/2** again will disable Alarm 1
3. Press and hold **Alarm 1/2** will enable Alarm 2
4. Press and hold **Alarm 1/2** again will disable Alarm 2
5. Press and hold **Alarm 1/2** will enable Alarm 1/2
6. Press and hold **Alarm 1/2** again will disable Alarm 1/2

Snooze

1. When the alarm sounds, pressing the **SNOOZE** button will temporarily silence the alarm, you can choose the time from **5, 10, 15 & 30 minutes** by pressing the dial.
2. The snooze function also has a countdown allowing you to see how long before the alarm re-sounds.

Stop The Alarm

When the alarm is sounding you can press **ALARM** or **STANDBY** buttons to stop the alarm sound for that day. The radio will then return to Standby mode - This cancels the alarm, to snooze please use the **SNOOZE** button.

Languages

1. Press **MENU** and use the dial until "**Settings**" is highlighted on the display then press **ENTER**.
2. Turn the dial until "**Languauge**" is highlighted on the display then press **ENTER**.
3. Select which language you require from: English, Deutsch, Italiano, Francais, Espanol.

Factory Reset

If your radio fails to operate correctly, or some digits on the display are missing or incomplete, it may be possible to restore normal operation by carrying out a system reset. This will restore the radio's settings to their factory defaults. If you have moved to a different part of the country and you wish to erase local DAB radio stations that are no longer available from the stored list, then you may carry out this procedure.

Note: *All your presets will be erased throughout this procedure*

1. Press **MENU** and turn the dial until "**Settings**" is highlighted on the display then press **ENTER**.
2. Turn the dial until "**Factory Reset**" is highlighted on the display then press **ENTER**.
3. If you wish to perform the reset operation, turn dial until "**YES**" is highlighted on the display and press **ENTER**. A full reset of your radio will be performed, All preset stations & station lists will be erased.

If you do not wish to reset your radio turn dial until "**NO**" is highlighted and press **ENTER** to confirm. Your radio will return to the previous menu.

4. After a system reset a scan of the DAB band will be automatically performed.

If your radio locks at any time you can use the **RESET** button located inside the headphone port on the side of the radio. You could use a paper clip or similar. Just press it once and it will reboot.

Earphones

Note: Earphones are not included with the Pearl Radio

1. Plug the earphones into the Earphone socket on the rear of your radio.
2. Check that the Volume level is not too loud before placing the ear-pieces into your ears.

FM Stereo/Mono (Earphones only)

Use this if a FM station being received has a weak signal and some distortion is audible (especially when listening using earphones).

When in FM mode press the dial and it will switch between Stereo and Mono. You you can follow the method below.

1. Press **MENU** and turn the dial until "**Settings** " is highlighted on the display then press **ENTER**.
2. Turn dial until "**Audio Setting** " is highlighted on the display then press **ENTER**.
3. Turn dial until "**Forced Mono** " is highlighted on the display then press **ENTER**.
4. To return to stereo mode press turn dial until "**Audio Setting**" is highlighted then press the **ENTER**.
5. Using the dial to highlight "**Stereo Allowed**" and press **ENTER**. Your radio will switch to stereo mode.

Note: Stereo listening is only available when listening via earphones.

Important Safety Information

1. Read these instructions.
2. Keep these instructions. Instructions are also available for download at www.azatom.com
3. Heed all Warnings.
4. Follow all instructions.
5. Do not clean the apparatus near or with water.
6. Clean only with a Dry Cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during light storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. *(Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, 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.)*
13. No naked flame sources, such as lit candles, should be placed on the apparatus.
14. Dispose of used electrical products and batteries safely according to your local authority and regulations.

ADDITIONAL WARNINGS

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquid, such as vases, shall be placed on apparatus.

Main plug is used to disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the main mains completely, the mains plug should be disconnected from the main socket outlet completely.

If any battery is included it shall not be exposed to excessive heat such as sunshine, fire or the like.W

RECYCLING ELECTRICAL PRODUCTS

You should now recycle your waste electrical goods and in doing so help the environment.



This symbol means an electrical product should not be disposed of with normal household waste. Please ensure it is taken to a suitable facility for disposal when finished with.



IMPORTANT: Please read all instructions carefully before use and keep for future reference



- Risk of electric shock. Do not open



- Read all instructions carefully before use and keep for future reference.



- When servicing, use only identical replacement parts.



Specifications

Power requirement (via adapter USB-C)

AC 100-240V 50/60Hz DC 5V 1000mA

Battery capacity: 2500mAh

Frequency Coverage

FM: 87.5-108MHz

DAB: 174.928 - 239.200MHz

Circuit Features

Loudspeaker: 2.5 inch

Max Output power: 20watts

Earphone socket: 3.5mm dia. stereo

Aerial system

Built-in Antenna (Handle).



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