

AZATOM®

Multiplex D2

DAB, DAB+, FM Retro Radio with BT Wireless Audio



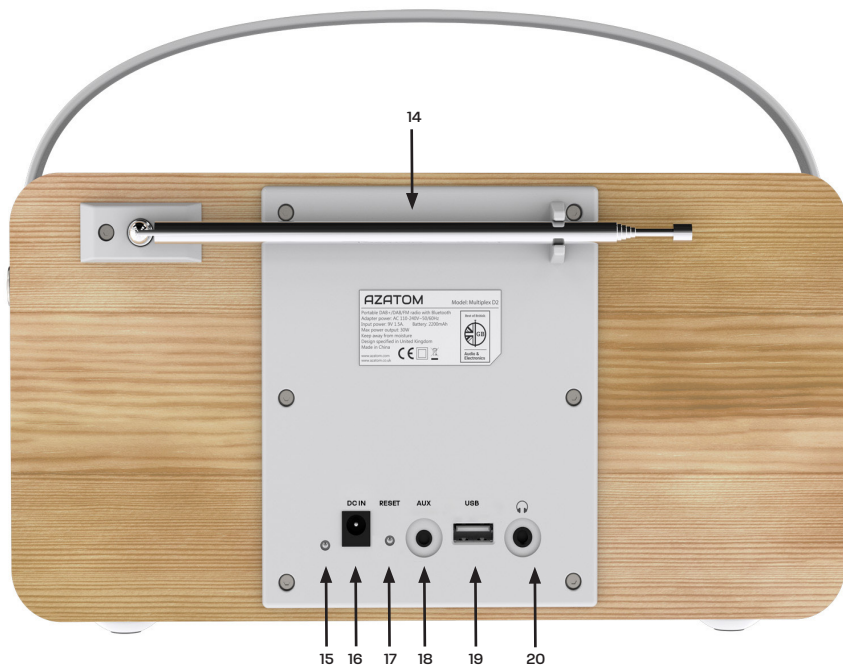
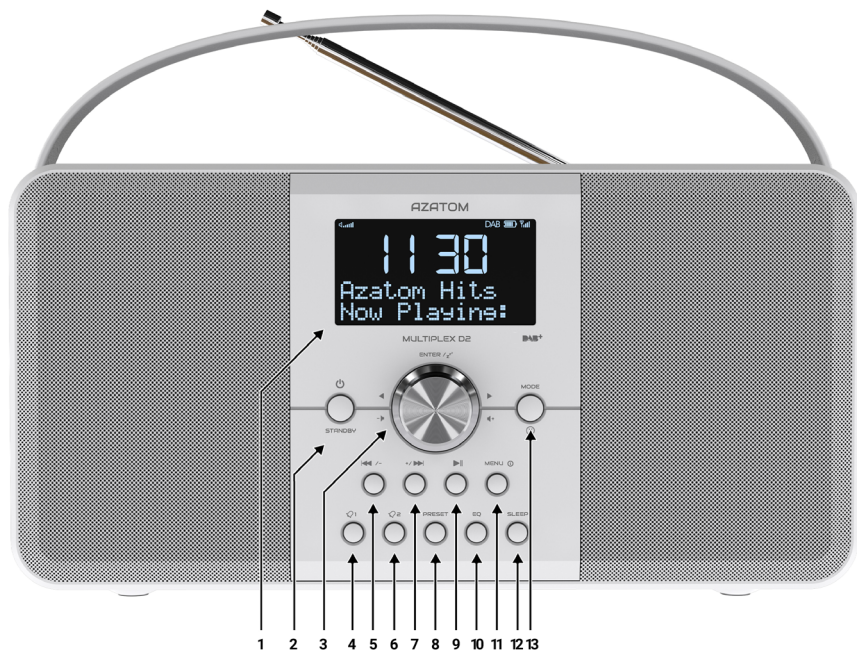
User Manual



This manual is available to download online at www.azatom.com

Controls & Interface:

1. LCD Display
2. ON/OFF and Standby
3. VOLUME / SCROLL / ENTER / SNOOZE / DIMMER
4. Alarm 1
5. Tuning - / Backwards
6. Alarm 2
7. Tuning + / Forwards
8. Preset
9. Play / Pause / Scan
(Play / Pause for BT Wireless Audio Mode)
10. Equaliser
11. Menu / Info
12. Sleep
13. MODE / Exit
14. Telescopic Antenna
15. Battery Charging Indicator
16. DC 9V Port (9V, 1.5A)
17. Reset Button
18. 3.5mm AUX-IN Port
19. USB Charging Out Port
(5V/500mA For Mobile Phones)
20. Headphone Ports



What's in the box:

- AZATOM® Multiplex D2 Digital Radio
- Power Adapter
- Audio Cable
- User Manual
- AZATOM® Warranty Card

Using the Multiplex D2:**Power supply (Adapter):**

Insert the adapter plug into your AC socket. Connect the output into the DC 9V jack of the device.

CAUTION:

Only use the supplied power adapter for this device. Do not use the included power adapter for other devices. This adapter has been specially designed with an anti-magnetic module in the power cord to prevent interference.

NOTE: Disconnect from mains power supply during longer periods of non-use.

Charging the battery:

Before you can operate the device with the battery, you need to charge it first.

Connect the device to a wall socket with the power adaptor. The battery charging, the "GREEN" indicator lights up.

Once the battery has been charged completely, the charging indicator lights up "RED".

CAUTION: Never leave the device unattended during the charging process.

NOTE: The duration of the charging process depends on the state of charge of the battery.

Operating your radio - DAB:

1. Carefully extend the telescopic aerial.
2. Press and hold the **POWER** button until the display lights up. The display will show "**Welcome to digital radio.**"
3. If this is the first time the unit goes into DAB Mode, it will automatically start an 'Auto Scan' to search for available stations.

(Once DAB Mode has been used before, the Multiplex D2 will automatically select the previously played station)

4. Pressing "**SCAN**" button at any time will automatically start an auto scan. During the scanning process, the lower line of the display shows a bar-graph indicating progress of the scan.
5. When the scanning is completed the first station (in alphanumeric order) will be selected. The clock will automatically set the time from DAB reception.
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.

Selecting a station – DAB:

1. The top line of the display shows the name of the station currently selected.
2. Press >> to view list of available stations on the lower line of the display, and push the **ENTER** button to confirm the desired station.

Finding new radio stations - DAB:

1. Press the "**MENU**" button so the display will show "Full scan"
2. Press **ENTER** to start scan. The display will show "**Scanning...**" and your radio will perform a scan of the Band III DAB channels.

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 push the Fast-Forward or Rewind buttons.
2. Press **ENTER** to select the station
3. When the secondary service shuts down, your radio will automatically switch back to the main radio station if it is available.

Auto Scan – DAB:

As an alternative to clicking the menu to select a station your radio can be set to automatically select a station.

1. Press the **MENU** button and turn dial to find “**Full Scan**” shows on the display.
2. Press **ENTER** to confirm the selection. When scanning is complete it will now automatically select a station from the station list.

Manual Tuning – DAB:

This feature in DAB mode is mainly used to show signal strength in you your for each Frequency. Its not essienal to use this feature and auto scan is best for DAB.

1. Press **MENU** and turn dial until the display shows “Manual Scan” press **ENTER** to enter the Services Menu.
2. Turn dial or press >> to highlight the desired MHz frequency channel.
3. Press **ENTER**. 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 **MENU** to return to the normal tuning mode.

Dynamic Range Control Settings – DAB:

Dynamic Range Control (also known as DRC) is a technology used to help make quieter sounds easier to hear in a noisy environment.

1. Press **MENU** and turn dial until the display shows “DRC”. Press **ENTER**.
2. Turn dial to select the required DRC setting (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 used as sent by broadcaster.

3. Press Menu to confirm the setting and return back to normal display.

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

Auto Search Tuning – FM:

1. Extend the aerial and power on the D2
2. Press **MODE** to enter “**FM**” mode.
3. Press “**Scan**” button, your radio will auto scan and save all available FM station found and P numbers.
4. To play each saved station press and hold >> button until the frequency advances to next saved station. Repeat this to continue to advance to further saved stations.
5. After a few seconds the display will update. The display will show the station frequency.
5. To find other stations, press and hold the button as before.
6. To scan the FM band in the opposite direction (high frequency to low frequency) press the button << and hold for 2 seconds.
7. When the scan has reached the end of the frequency range your radio will commence tuning from the beginning of the frequency range until scan is complete.

Manual Tuning – FM:

1. Select FM mode as previously described if required.
2. Press >> button once. With each press of >> button the frequency will change up or down by 50 kHz.
3. When the scan has reached the end of the frequency range your radio will commence tuning from the beginning of the frequency range until scan is complete.

PRUNE (To remove stations which are listed but unavailable):

1. Under DAB MODE, press **MENU** button.
2. Use dial to find “**Prune**” option.
3. Use dial to select “**Yes**” or “**No**” and 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.

Equalizer Setting, Bass/Treble:

1. Press **Menu** button and scroll with the dial to “**System**”. Press **ENTER**.
2. In System go to “**Equalizer**”. Press **ENTER**.
3. You will see “**My EQ**” Press **ENTER** for “**Treble**” or “**BASS**” options to change the range from “**-7 to +7**”.

Store Preset Stations – FM and DAB:

1. Select the DAB or FM mode.
2. Tune and play the station you want to save. Note the station must be playing before it can be saved as a favourite preset.
3. Press and hold down the **PRESET** button until the display shows “**Preset Store**” Not “**Preset Recall**”.
4. Turn the dial until you find the Preset number you want to save the playing station into. Press the **ENTER** dial button to save in the numbered position.

5. You will see for example, **“Pre-set 01 stored”**. The station will be stored under the chosen preset. Repeat this procedure as needed.

6. Stations which have been stored in preset memories may be overwritten by following the above procedure.

Recalling Pre-sets:

1. Press once the **PRESET** button. The display will show **“Preset Recall”**.

2. Turn the dial to choose which favourite Preset station you want to play. Press **ENTER**

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

Brightness settings:

Press the dial Dimmer/Snooze button for four levels of brightness: High, Medium, Low and Sleep low.

Back-light Setting:

1. To set the back-light to never dim, press the **MENU**.

2. Turn the dial to find **“System”**. Press **ENTER**.

3. Turn the dial to find **“Backlight”** Press **ENTER**.

4. Turn the dial to **“Timeout”** Press **ENTER**.

5. Set the time 10, 20, 30, 45, 60, 90, 120, 180 or 300 seconds, the LCD would dim 1/2 after the setting time or select ON for the display to stay ON all the time.

Note. If using on battery it is recommended to set the Display to dim to give longer battery life.

Sleep function:

Your radio can be set turn off after a pre-set time between 15 and 90 minutes. Ensure your radio is playing first to set “Sleep”.

1. Press **SLEEP** until **“Set Sleep time”** is highlighted on the display.

2. Press **SLEEP** continuously to set 15, 30, 45, 60, 75 and 90 minutes or Sleep Off which will cancel the sleep function.

3. The sleep timer indicator will show on the display. Your radio will switch off after the pre-set sleep time has elapsed.

Time/Date Setting:

1. Press **MENU** to enter the settings menu.
2. Turn dial or Press >> until **"System"**, press **ENTER**.
3. Turn dial or Press >> until **"Set Time/Date"** is displayed, press **ENTER**.
4. Turn dial or Press >> to set **"Date"**. Press **ENTER**.
5. You can set Date format and 12hr or 24hr Time format when starting again from 3 above and turn dial to choose either **"Set Date Format"**, **"Set 12/24 hour"** format. Press **ENTER**.

Alarm Set:

NOTE: PLEASE SELECT A RADIO STATION BEFORE SETTING THE ALARM.
The centre dial in the ENTER button.

You will be given the option to choose from last station used or one of your favourite pre-set channels.

1. Press **ALARM 1** or **ALARM 2** to entry the **"Alarm setup"** menu. Press **ENTER**.
2. Turn dial or Press >> to set the alarm time. Press **ENTER**.
3. Turn dial or Press >> to set the duration from 15 to 90 minutes. Press **ENTER**.
4. Turn dial or Press >> to set the alarm source. Press **ENTER**.
5. If you choose DAB radio or FM radio as your alarm you can choose from last station listened or choose from your favourite pre-set channels 01 to 30
 Turn dial or Press >> to scroll between last listened and pre-set channels. Press **ENTER** to confirm choice.
6. Turn dial or Press >> to set the Once / Daily / Weekdays / Weekends, choose the days on which the alarm is active. Press **ENTER**
7. Turn dial or Press >> to set the alarm volume and press **ENTER**.
8. Turn dial or Press >> to set Alarm **"ON or OFF"**. Press **ENTER**

If set Alarm to **ON** you can see the alarm icon on LCD display.

Notes: Please ensure the cable is disconnected to listen to the Multiplex D2 in other modes such as DAB or BT Wireless Audio.

Snooze - Stop Alarm - Disable Alarms:

1. When the alarm sounds, pressing the **ZZZZZ** button will temporarily silence (SNOOZE) the alarm, you can choose the time from 5, 10, 15, 20, 25, 30 minutes and snooze off.
2. The snooze function also has a countdown allowing you to see how long before the alarm re-sounds.
3. When you choose "**SNOOZE OFF**", the radio returns to standby mode, showing the time and date. Press **POWER** to turn it on.

Stop Alarm:

When the alarm is sounding you can press any buttons except the **SNOOZE** button one time to stop the alarm sound. The Multiplex D2 will then return to STANDBY MODE.

Disable Alarms:

How to disable your Alarm 1 or 2 once you have set them:

Press and hold **ALARM 1** button until the Alarm 1 icon on the display disappears. Press and hold **ALARM 2** button until the Alarm 2 icon on the display disappears.

To reactivate the Alarm. Press and hold the **ALARM** button until the alarm icon reappears.

BT Wireless Audio:

To pair your device via BT Wireless Audio for the 1st time:

1. Press **MODE** button until "**Bluetooth**" is displayed,
2. After a few seconds the screen will then say "**BT Searching**" and the speaker automatically goes into pairing mode.
3. On your BT Wireless Audio Device such as "Mobile Phone" do a search and once available please choose "**Multiplex D2**".
4. After 5-20 seconds the screen on the radio will say "**BT connected**".
5. You are ready to start streaming via BT Wireless Audio. Play any sound on your BT Wireless Audio device and listen on the speaker.

Whenever the BT Wireless Audio Mode is selected, the Multiplex D2 will automatically go into pairing mode and either pair with the last paired device (if in range) or be available for pairing to a new device.

Earphones (NOT INCLUDED):

1. Plug the earphones into the Earphone socket on the back of your radio.
2. Check that the Volume level is not too loud before listening through the earphones.

AUX-IN:

1. Plug on end of 3.5mm audio cable (not included) into the headphone or line out jack on your player, plug the other end of cable into the unit AUX-IN jack on the back of the D2 unit.
2. Turn on the external audio source and play the device.
3. Press MODE button to see "Aux Input".
4. The volume level can be now controlled through the main D2 radio volume dial.

USB Charging port:

This port is only for charging your mobile phone or compatible products. It is not a USB player.

Factory reset:

1. Press **MENU**.
2. Turn dial until the shows "**System**". Press **ENTER**.
3. Turn dial until the shows "**Factory Reset**". Press **ENTER**.
4. If you wish to perform the reset operation, choose "**YES**". Press **ENTER**.

A full reset of your radio will be performed. All pre-sets and station lists will be erased.

5. After a system reset a full scan of the DAB band will be performed and Time will be auto set.

Power reset:

If your radio at anytime freezes you can power reset the unit by pressing the reset button on the rear of the radio..

Technical Specifications:

Power requirement mains (via adaptor):

AC 100-240V, 50/60Hz

DC 9V 1.5A

Battery: 2000mAh battery.

Frequency Coverage:

FM: 87.5-108MHz

DAB: 174.928 - 239.200MHz

Circuit Features:

Loudspeaker: 3.5 inch x 2

Output power: 30W Max

Earphone socket: 3.5mm dia. stereo

Aerial system: FM: Telescopic Aerial

DAB: Telescopic Aerial

USB: 500mA output charge.



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