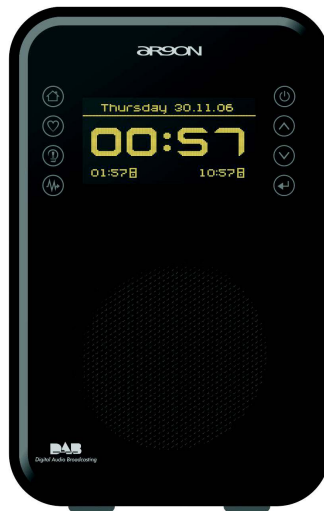# Argon DAB4+

Quality has always been our driving force and founding Argon Audio is a natural extension of this philosophy. We have 20 years of experience in creating and specifying high quality products, manufacturing them and selling them on to end users with Value-for-Money as the primary aim. And Argon Audio is a brand fully compliant with these values.

Design, features and quality standards are all specified in Denmark and manufacturing takes place in the Far East, where quality vendors are highly competitive - and as a result supply outstanding Value-for-Money products – to the delight of both ourselves and our customers!

Contents
Argon DAB4+ Quick start Guide and Manual

A few warnings, hints and tips:

Instructions: Read (even though its very boring), follow and maintain this Manual

Water and Moisture: Keep the DAB4+ out of and away from water and moisture

Heat: Do not expose the DAB4+ to excessive heat or sunlight.
Notice that the color of the casing can fade if placed directly in sunlight for prolonged period of time.

Battery usage: If the Battery Power ON/OFF buttom is left in "ON" position the
DAB4+ will continue to consume battery power even though it is used on the Electric Outlet.

Tip: The sound of the DAB4+ can be affected by how you place the Radio.
If the Radio is placed close to a wall or in a corner the Bass sound will be more predominant.
On the other hand if placed "in the open" the sound will be thinner and more clear.
You can experiment with this for your optimal sound quality.

Tip: The sound quality on DAB stations my vary a lot. This is due to two main reasons.
1) the bitrate that is broadcasted. The higher the bitrate the better the sound quality
2) broadcaster use of audio-compression. Some broadcasters choose to use equalization and compression
   on the sound. Its our experience that it makes the sound distorted and we would never recommend that.
   However its not our choice and we can do nothing about it except make the listener aware of this.
   For more information on which broadcasters use compression in your area contact argon.audio.com

Tip: consider to buy a set of Active speaker as Argon 7340A or Argon 7350A and you will get a outstanding
sound out of your DAB4+
Alternatively, if you have a pair of speaker yourself, but dont want to use a big Amplifier you can buy a
Mini Digital Amplifier such as Argon DA-1 and connect the DAB4+ to this.

Front panel controls

Volume control
Turn the aluminum ring mounted around the speaker driver to increase or decrease the volume

Other Front panel controls,
see next page for specifiactions

Front panel controls

"Home" let you select between the different Sources: DAB/FM/AUX

"Favorites" or Preset stations. Allows you to save 6 stations on DAB and 6 stations on FM

Menu button/Display Information Press this button once and you will change the display information press and hold 3 sec and you will enter the Menu

Auto Tune function by pressing shortly you do a quick scan for station and by pressing and holding 3 sec. you do a full scan for stations.

Power On/Off

Scroll up for information

Scroll down for information

Enter/select button activates the selection you have chosen by using either Scroll buttons.

Connections and back panel

Antenna for DAB and FM

Speaker for "beep" sound

Battery power ON/OFF

Line-Out for Amplifier or Ear Phones

Input for iPod or other external Source

Connection for Power Supply

Battery compartment

aRGON

DAB 4+
DESIGNED AND ENGINEERED BY
ARGON AUDIO, DENMARK
WWW.ARGONAUDIO.COM

SERIES NO.

MADE IN CHINA

12VDC   AUX IN   DC V   BATTERY ON
- + +   LINE OUT   / OFF

6 X AA BATTERIES
CHECK ANNUALLY

TO PREVENT PERSONAL INJURY,
DO NOT MIX DIFFERENT
BATTERY TYPES, REVERSE ANY
BATTERY

CE

Quick Start - Setting up and connecting your DAB4+

1) Power-Up your DAB4+
Connect the Power Supply to the Radio and Electric Outlet or Insert 6 x AA batteries.
The Argon DAB4+ can run on both Rechargable and Disposable Batteries.
When the DAB4+ is connected to Electric outlet WITH batteries inserted, it will automatically
use the Main power and hereby save battery life. Once the Electric outlet is disconnected it will
autmatically switch to Battery power mode.

2) Tuning DAB stations
   a) Extract the antenna.
   b) Choose DAB mode with the "scroll" buttons via the "home" button and press "select" on DAB.
   c) Press the Auto tune button and hold for 3 sec in order to make a full scan. It will take a few minutes
      to make a full-scan. Once finished DAB4+ will show the avaliable stations in the display.
   d) Once the DAB stations are located they will be stored automaticall on the DAB4+.

Notice: If you move the DAB+ to another location, you will probably have to do a new Full-Scan
in order to locate the stations again.

3) Tuning FM stations
   a) Extract the antenna.
   b) Choose FM mode with the "scroll" buttons via the "home" button and press "select" on FM.
   c) Search for stations using either the Scroll up or Scroll down button. Press once and the DAB4+
      will seach 0,5 on the frequency scale. Hold for 3 sec and DAB4+ will search automatically till
      next avalible station is found. To continue to next avaliable station, press and hold again for
      3 sec on the scroll button.

Quick Start - Setting up and connecting your DAB4+

4) Connecting an external devise using AUX in.

   You can connect an iPod or other external Source device to the AUX-IN on the
   back side of the DAB4+ using a cable with mini jack for the DAB4+ and a
   plug fitting the external device at the other end.

5) Connecting your DAB4+ to an external amplifier.

   You can connect DAB4+ via the LINE-OUT connection on the back side,
   using a cable with mini jack for the DAB4+ connection and a plug fitting the Amplifier at the
   other end. This will typically be white and red RCA plugs.

6) Using batteries and battery life time.

   Argon DAB+ can run on batteries.
   You need to use 6 X AA batteries. Both disposable and rechargable batteries can be used.
   DAB4+ can not charge the batteries by itself, so you need to charge the batteries externally.
   Playing in DAB mode battery life time is app. 8 hours with continous play.
   Playing in FM mode battery life time is app. 12 hours with continous play.
   When shifting from external power to battery, you will notice that the display contrast
   goes down slightly. This is done to prolong the battery life time. You can choose yourself to
   turn up the contrast again, but this will affect the life time of the batteries.
   Important: in order to activate Battery Mode you need to turn the "Battery power ON/OFF"
   button on the back panel to "ON".
   If you switch back to use power from Electric Outlet remember to turn the
   "Battery power ON/OFF" back to "OFF". If this is not done, the DAB4+ will continue to use up
   the Batteries even though its connected to the Electric Power outlet.

Using your DAB4+

DAB mode and Tuning DAB stations
Tuning of station can be done in 3 different ways
1) Automatic Full scan
2) Automatic Quick scan
3) Manual scan

To do a Automatic Full scan press and hold the "autotune" button for 3 sec.
The DAB4+ will start searching for avaliable stations. It may take a few minutes.
Once the search sequence is finished it will start playing the first found station.

All found stations can be viewed pressing the "scroll" bottons

To do a Quick scan pres the button once.

To do a Manual tune press and hold the "Menu" button for 3 sec. The Menu screen will appear.
Choose "Manual Tune" and choose the frequency.

Viewing additional display information
You can view different kind of information from the station that broadcast.
This is done be pressing the "Menu" button repeatedly.
Information shown includes; broadcast quality in kbs, frequency, Broadcaster, type of broadcast.

Using your DAB4+

FM mode and Tuning FM stations
To do tuning of FM stations first select "FM" from the "HOME" button.
This is done by pressing the "HOME" button untill FM appears and then confirm by pressing
"Enter/select" button

Once in FM mode you can search for the stations, either manual or automatical
Manual tuning is done be pressing either "Scroll" up or "Scroll" down once.
You need to press for each frequency step.

Automatical tuning is done be pressing and holding the "Scroll" button for 3 sec.
The DAB4+ will then search for the next avaliable station. By pressing and holding again it will
search for the next station and so forth.

Viewing additional display information
You can view different kind of information from the station that broadcast.
This is done be pressing the "Menu" button repeatedly.
Information shown includes; Auto (stereo or mono), Broadcaster, type of broadcast.

Selecting audio mode (stereo or mono)
in "FM" mode press and hold the the "Enter/select" button for 3 sec. a new display will appear.
Choose "Force mono" and the press "Enter/select" button again to confirm. To go back to "Auto stereo"
Repeat the process.

Using basic functions on your DAB4+

Storing and recalling stations
You can store 6 DAB and 6 FM stations as presets on your DAB4+
The procedure for doing so is similar for both DAB and FM mode

To store a station you are listening to, press the "Favorite" button once.
Using "Scroll" button select the preset no. you want to store the station on.
Once found press and hold the "Favorite" button for 3 sec. and the station will be stored
on the chosen preset.

A new preset overrides an existing one, when you store a new station over it.

To recall a stored station press "Favorite" button once, select the station you want to listen to
by using "Scroll" buttons and then press "Enter/ select"

Sorting stations
In DAB mode you can sort the stations in the main list either alphanumeric or by type "ensemble".
Press and hold the "Menu" button for 3 sec. a new display appears. Choose "Station sort" by using the
"Scroll" buttons and press "Enter/select". Then choose your favorite option and confirm by pressing
"Enter/select".

Auto "Enter/select"
The DAB4+ has a Auto Enter/select function if you dont want to press the "Enter/select" button
each time you need to change the station.
Auto Enter/select is activated by pressing and holding the "Enter/select" button for 3 sec.
In the display it will be confirmed that you have activated "Auto enter".
To change back to Manual mode go through the proces described over again.

Using basic functions on your DAB4+

Setting the date and time
In DAB mode the date and time will be set automatically so you actually dont have to do anything.
The date and time will be updated continously no matter what DAB station you use.

However, if the DAB4+ is used in FM mode only for more prolonged time (typically more than 24 hours),
the date and time has to set manually as there is no automatic update from the broadcasters.
Setting date and time is manually is done be pressing and holding the "Menu" button for 3 sec.
A new display will appear and you should chose "Utility" by using the "Scroll" buttons.
Press "Enter/select " and then chose "Clock setup" and press "Enter/select" again.
You are now in the setup menu for Date and Time. Change the setting by using "Scroll" buttons
and confirm by pressing "Enter select".

Setting the Alarm
The DAB4+ has an alarm and sleep timer function.
Setting the alarm is done by done be pressing and holding the "Menu" button for 3 sec.
A new display will appear and you should chose "Utility" by using the "Scroll" buttons.
Press "Enter/select " and then chose "Alarm setup" and press "Enter/select" again.
You are now in the Alarm setup menu .
The DAB4+ has 2 preset Alarms. Go through the setting by using the "Scroll" buttons to choose.
Confirm your choise by pressing "Enter/select" and the DAB4+ will take you automatically to the next step.
Once finished the setting it will go back showing the station playing.
Notice: you can choose to either have a Buzz tone for Alarm or the radio station playing as "Alarm".

Using basic functions on your DAB4+

Setting the Sleep Timer
To enter the Sleep Timer menu press and hold the "Menu" button for 3 sec.
Using the "Scroll" buttons select "Utility" and press "Enter/select".
Using the "Scroll" buttons go to "Sleep setup" and press "Enter/Select".
You are now in the Sleep Timer setup. Use the "scroll" buttons to navigate and use the
"Enter/select" button to confirm your choice.
Sleep function activated will be shown in the display as " zzz".
To deactivate or display your settings for the Sleep Timer repeat the above steps.

Setting the Snooze function
To enter the Snooze mode press and hold the "Menu" button for 3 sec.
Using the "Scroll" buttons select "Utility" and press "Enter/select".
Using the "Scroll" buttons go to "Snooze setup" and press "Enter/Select".
You are now in the Snooze setup setup. Use the "scroll" buttons select Snooze time and use the
"Enter/select" button to confirm your choice.

Using basic functions on your DAB4+

Reseting the DAB4+
You may want to erase the settings on your DAB4+, including presets, alarms and sleep delays.
In both DAB and FM mode press and hold "Menu" button for 3 sec.
Using the "Scroll" buttons select "Set up" and press "Enter/select".
Using the "Scroll" buttons go to "Factory reset" and press "Enter/Select".
The DAB4+ will now reset to facory settings and automatically start a new Qucik scan for stations.

Software version
In both DAB and FM mode press and hold "Menu" button for 3 sec.
Using the "Scroll" buttons select "Set up" and press "Enter/select".
Using the "Scroll" buttons go to "Software version" and press "Enter/Select".
The DAB4+ will show the software installed on the unit.

Contrast setting
The contrast/brightness of the Display can be adjusted to suit your preference.
In both DAB and FM mode press and hold "Menu" button for 3 sec.
Using the "Scroll" buttons select "Set up" and press "Enter/select".
Using the "Scroll" buttons go to "Contrast" and press "Enter/Select".
The display will show the contrast level on a scale from 1/8 to 8/8.
Adjust to the level you prefer by using the "Scroll" buttons.
After 5 sec. the DAB4+ will automaticall return to showing the station playing, using your new
contrast setting.

Using basic functions on your DAB4+

Using the AUX IN jack

a) connect an iPod or other external Source device to the AUX-IN on the back side of the DAB4+ using a cable with mini jack for the DAB4+ and a plug fitting the external device at the other end.
b) Choose AUX mode with the "scroll" buttons via the "home" button and press "select" on AUX.
c) you will be able to regulate the volume both on the DAB4+ and on the External device while playing through the DAB4+.

Using the LINE OUT/HEAD PHONE jack

a) connect DAB4+ via the LINE-OUT connection (showing a "headphone picture") on the back side, using a cable with mini jack for the DAB4+ connection and a plug fitting the Amplifier at the other end. This will typically be white and red RCA plugs.
b) connect the RCA plugs to a input on the Amplifier, such as AUX-IN, TAPE in, CD etc.
c) once a mini jack plug is connected to the LINE-OUT on the DAB4+ it will stop playing from its own loudspeaker and sound will only be heard from the Amplifier.
d) you will be able to regulate the volume both on the Amplifier and on the DAB4+ while playing through the Amplifier.
e) you can also connect a ear/head phone using directly, using the jack plug.

Notice: If you connect the DAB4+ to an external STEREO amplifier, the DAB4+ will play in Stereo, even though the DAB4+ itself only play Mono (due to only one speaker on the DAB4+).

General Specifications

Frequency Range
DAB: Band III (174-239.2 MHz) and L Band (1452-1490.624 MHz)
FM: 87.5-108 MHz/step: 50KHz

Audio Frequency Range: 70HZ-15KHZ
Amplifier Power: One 4W/2,75" full range speaker
OLED display: black background with yellow lettering
Battery function: 6xAA batteries, recharargable or disposable batteries
Input voltage: 12VDC/1,5A
Input connector: 3,5mm stereo Jack for iPod etc.
Output connector: 3,5 mm stereo Jack for Amplifier
Dimensions (W*H*D): 102mm X 160mm X 108mm
Weight: 2,4 kg