Dear Customer,

Quality has always been our driving force and founding
Argon Audio is a natural extension of this philosophy.
We have 20 years' 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!

Congratulations with your new Argon DAB2+BATT

Content

1. Introduction

1.1 Safety
Safety instructions

WARNING
To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.
The lighting flash with arrowhead symbol, within an equilateral triangle, is intended to alert user of the presence of un-insulated dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute risk of electric Shock to a person.
The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

Read Instructions
Read all safety and operating instructions before operating the product.

Retain Instructions
Keep all safety and operating instructions for future reference.

Heed Warnings
Take note of all warnings on the product and in the operating instructions.

Follow Instructions
Follow all operating and usage instructions.

Cleaning
Unplug this product from the power source before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

Attachments.
Do not use attachments of accessories not recommended by us as they may cause hazards.
.
Water and Moisture
Do not use this product near any water source or water hazard.

Placement
Place the product on a stable surface or recommended stand, otherwise the product may fall and cause injury to a person, and damage to the product.
Follow the manufacturer's instructions for mounting the product.

Ventilation
To ensure reliable operation and to prevent overheating, do not block or cover ventilation openings and slots with fabrics or impermeable material Do not place in a built-in installation such as a bookcase or rack unless there is proper ventilation or our instructions have been adhered to.

Heat
Do not place this product anywhere near heat sources such as radiators, stoves, and other products (including amplifiers) that produce heat.

Power Sources
This radio is specifically designed for operation within the electrical range(s) specified on the provided power adapter and use outside of this range shall be at your own risk. Please contact your local electric utility company if you have any questions about the electrical voltage at your intended location of use

Power-cord Protection
Arrange the power-cord to minimize the risk of damage from traffic or other hazards. Pay particular attention to the area near the plug head, the power source outlet and the connection from the product.

Lightning
Unplug the product from the power source during lightning storms of if unused for long periods of time. This will prevent lightning and power-line surge damage to the product.

Overloading
Do not overload wall outlets, extension cords, or integral power circuits as this can result in a risk of fire or electric shock.

Object and Liquid Entry
Never push any object through the product openings, as this can result in a fire, electric shock or damage. Do not spill liquids on the product.

Servicing
Do not attempt to service the product yourself. Refer all servicing to qualified service personnel.

Damage Requiring Service
Call for servicing when:
a) the power-supply cord or plug is damaged.
b) objects have fallen through or liquids have been spilled into the product openings.
c) the product does not operate normally when following the operating instructions.
d) the product has been dropped or damaged in any way.

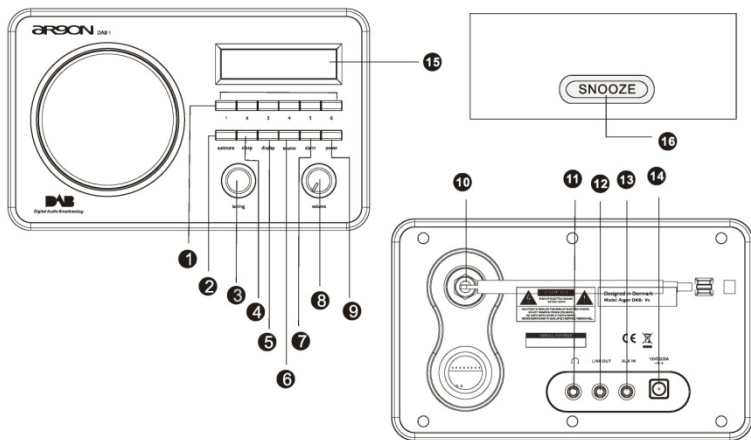**1.2 Contents of the box;**

• ARGON DAB2+BATT
• DC12V 1,5A Power adapter
• Quick Start Guide - English.

We recommend that you keep the original box and packing material for future transportation.

We also recommend that you keep this User Manual.

2. Usage, controls and connections

This chapter describes and shows you the location of the various controls and connections on your Argon DAB2+BATT.

Usage, controls and connections	Function
1. Preset buttons	Press to recall a stored radio station.
2. Autotune button	Press to perform quick scan or full scan in DAB mode. Press to perform an automatic scan in FM mode.
3. Tuning knob	Turn to select options, scan or switch stations and select ensembles. Press to confirm selection or activate a function
4. Sleep button	Press to activate and set your sleep delay timer. This function turns off your radio after a preset period of time.
5. Display button	Press this button to change the display information on your OLED display
6. Source button	Press to switch between DAB and FM and Aux in mode.
7. Alarm button	Press to activate and set your alarm.
8. Volume knob	Turn to adjust the volume of your radio.
9. Power button	Press to switch between Stand By and Playing Mode.
10. Antenna	You can adjust the antenna direction for better Reception.
11. Head phone connection	Connect stereo headphones with a 3.5mm (1/8") stereo plug to this jack
12. Line out	Use this jack to provide the sound to other audio accessories.
13. Aux In connection	Connect an external device such us a Mobile phone or iPod to this jack with a 3.5 mm stereo-to stereo cable.
14. Power connection	Connect the power adapter to this connector.
15. OLED Display	Backlit display.
16. Snooze button	Press to temporarily turn off your alarm. Press to mute a radio broadcast or the audio from a connected external audio device.
17. USB	USB plug for software upgrades

3. Using Your Argon DAB2+BATT radio

3.1 Quick start

3.1.1 Start up
1. Extend the Antenna
2. Plug the Power supply into an electric outlet and into the back of the Radio.
3. Press "**power**" (9) on
4. The Radio will start searching for DAB stations automatically. This may take a few minutes and the progress will be shown in the display.
5. Once finished searching, the Radio will start playing the first found station.

3.1.2 Basic Operating
1. Stations can be chosen by turning the "**Tuning/Select**" (3) knob/button.
2. Once the prefer station is found press the "**Tuning/Select**" (3) knob/button and the chosen station will start playing.
3. To store a station on one of the 1-6 preset buttons, press and hold the wished preset button for 3 sec., while playing the station that you want to store.
4. When stored, the display will show "Preset X saved"
5. To change between the Modes DAB, FM, AUX and Bluetooth (if your Radio has this function), press the "**Source**" (6) button repeatedly until you reach the preferred Mode.
6. To tune stations in FM Mode press and hold the "**Autotune**" (2) button for 3 sec. and the Radio will scan to the next available station. You can store FM stations like mentioned in point 3.

3.2 DAB mode

1. If you are not in DAB mode, press the **Source** (6) button continuously, until it shows "DAB". It will start playing on the last played station.
   The radio displays the correct time in DAB and FM mode, after a full scan has been preformed) in DAB mode for the first time (normally done automatically at first time installation. Your radio retrieves the time information from a DAB station.
2. While in DAB mode, press the **Source** (6) button, and the radio switches to FM mode.
3. While in FM mode, press the **Source** (6) button, and the radio switches to AUX IN mode.
4. You can switch the DAB/FM/AUX IN by pressing **Source** (6) button at any time.

3.2.1 Scanning stations in DAB mode

There are two ways to scan for stations:

- Automatic full scan (**autotune** (2))
- Manual scan

To do an automatic full scan:

1. Press and hold the **Display** (5) button for three seconds and <Full scan> will show in the display.
2. Press the **Tuning/select** (3) button/knob and automatic full scan will start.
   This may take a few minutes, during which you will see the displays in the sequence below.
   When there scan is finished the first found station, starts to play immediately.
3. To preview another station, turn the **Tuning** (3) knob until the name of another station appears.
4. Press the **Tuning/select** (3) button/knob to select and listen to the new station.

To do a manual scan

1. Press and hold the **Display** (5) button for three seconds until the text in the display changes.
2. Turn the **Tuning/select** (3) button/knob until the display shows <Manual Tune>.

3. Press the **Tuning/select** (3) button/knob to activate manual tune.
4. To choose another frequency turn the **Tuning/select** (3) button/knob
5. and confirm by pressing the **Tuning/select** (3) button/knob.

3.2.2 Viewing additional Information (Display Information)
Display information containing useful ones such as; time, date, station name, signal strength, program type, frequency, signal error, kbps quality, including radio services, song titles, and special announcements sent by your DAB provider.
   1. While playing a station in DAB mode, press the **Display** (5) button shortly. Additional information appears at the bottom row of the display.
   2. Each time you press **Display** (5) button, new Display information will appear.

There are nine different types of Display information available for DAB mode:
   - Station information with text messages such as song title, artiste name etc, are displayed.
   - Station category
   - Programs being played.
   - Stations broadcast frequency.
   - Signal error
   - Signal strength
   - Time obtained automatically from a DAB transmission in your country or region.
   - Date obtained automatically from a DAB transmission in your country or region.
   - Kbps quality

3.2.3 Additional Menu functions in DAB mode
   1. Pressing and holding the **Display** (5) button for 3 seconds, will bring you into the DAB Menu.
   2. In the Menu you will find these options, by turning/using the **Tuning/select** (3) button/knob:

<Full scan>
see point 3.2.1 page 9

<Manual tune>
see point 3.2.1 page 9

<DRC> Dynamic range compression
This function reduces the difference between the loudest and quietest audio being broadcast. Effectively, this makes quiet sounds comparatively louder and loud sounds comparatively quieter.
Note: DRC only works if it is enabled by the broadcaster for a specific station.
There are three settings High, Low and Off.
1. Chose your preference by turning the **Tuning/select** (3) button/knob, confirm your choice by pressing the **Tuning/select** (3) button/knob.

<Prune>
This removes all invalid stations, indicated in the station list with a '?' in front of the station name.
1. Choose "Yes" or "No" using the **Tuning/select** (3) button/knob
2. Confirm your choice by pressing the **Tuning/select** (3) button/knob.

<System>
See point 4.5 page 17
No matter if you are in DAB, FM or AUX mode the "System" settings/information will be the same.
To enter the System settings:
1. Press and holding the **Display** (5) button for 3 seconds.
2. Turn **Tuning/select** (3) button/knob until you see <System> in the display.
3. Confirm your choice by pressing the **Tuning/select** (3) button/knob.

3.3 FM Mode

3.3.1 Selecting FM mode
If you are not in FM mode:
1. Press the **Source** (6) button continuously, until it shows "FM". It will start playing on the last played station.

.
3.3.2 Scanning stations in FM mode
To do an autoscan.

Make sure you are in FM mode.
1. Press the **Autotune** (2) button to scan for FM stations in ascending frequency.
2. To scan in descending frequency, press and hold the **Autotune** button for 3 seconds.
   Automatic scanning for an FM station begins.
   Once a station is successfully scanned it will start playing.

To do a manual scan
1. Turn the **Tuning/select** (3) button/knob clockwise or anticlockwise until you hear an FM stations broadcast, or see the frequency you want.

3.3.3 Viewing additional Information (Display Information)
Display information containing useful ones such as; time, date, station name, signal strength, program type, frequency, signal error, kbps quality, including radio services, song titles, and special announcements sent by your DAB provider.
1. While playing a station in FM mode, press the **Display** (5) button shortly. Additional information appears at the bottom row of the display.
2. Each time you press **Display** (5) button, new Display information will appear.

There are seven different types of Display information available for FM mode:.

- Station information with text messages such as song title, artiste name etc, are displayed.
- Station category
- Programs being played.
- Stations broadcast frequency.
- Signal strength
- Time obtained automatically from a FM transmission in your country or region.
- Date obtained automatically from a FM transmission in your country or region.

3.3.4 Additional Menu functions in FM mode
1. Pressing and holding the **Display** (5) button for 3 seconds, will bring you into the FM Menu.
   In the Menu you will find these options by turning/using the **Tuning/select** (3) button/knob.

<Scan setting>
see point 3.3.2 on page 12

<Audio setting>
This function is used for selecting audio mode (Auto or Mono)
Follow the steps below to set your radios audio output to Auto or Mono.

1. Use the **Tuning/select** (3) button/knob and turn until the display shows <Audio setting>
2. Press the **Tuning/select** (3) button/knob, A new menu appears
3. Using the **Tuning/select** (3) button/knob you can now choose between:
   <Stereo allowed> or <Forced mono>
4. Make your choice and confirm/save your choice by pressing **Tuning/select** (3) button/knob

In Auto mode, the radio plays the programs default output: stereo or mono.
In Mono mode, the radio plays mono output only. Some stations sound better in this mode if the signal is not strong enough to receive noiseless stereo signal.

<System>
See point 4.5 page 17

3.4 AUX Mode

Using the AUX IN jack
1. Use a 3.5mm stereo-to-stereo cable (mini-jack) to connect an external device, like your Mobile phone, Laptop or iPod to the AUX IN jack, on the back of your radio.
2. Press the **Source** (6) button until the display shows "Aux". Once connected to the 3,5 mm plug on the back your radio will start playback of the music on the connected external device.
3. To adjust the radio volume level, you may need to adjust the volume on your external audio device. In other words you can adjust the sound level both on the Radio and on the External device.

4. Using Basic Functions

4.1 Storing and recalling your stations

Your radio can store up to 6 DAB and 6 FM radio stations as presets.

1. To store a station you are listening to, press and hold any one of button 1~6 number you want to store the station in.
2. Hold until Preset x stored (Where x is anyone of the 1~6 number selected) appears in the Display. A new preset overrides an existing one when you store a new station over it.
3. To recall a station you press any one of the 1~6 number buttons, you will hear the corresponding station that you stored with the corresponding number buttons.

4.2 Setting and checking the sleep timer

This option turns the radio off automatically after a specified period.

1. Press **Sleep** (4) button and it will show "Sleep off".
2. Keep pressing the **Sleep** (4) button and for each press it will increase the sleep intervals of 15 minutes, up to a maximum of 90 minutes.
3. Confirm your wished choice by pressing the **Tuning/select** (3) button/knob.
   Your sleep function is now activated and an "S" will appear in the top right corner of the display.
4. To deactivate the sleep function follow the steps above, but confirm "Sleep off" instead of a Sleep time.

4.2.1 Checking the sleep timer setting

1. Press the **Sleep** (4). The amount of time left is displayed on the bottom of the display.
2. To deactivate the sleep function follow the steps as in point 4.2, but confirm "Sleep off" instead of a Sleep time. Notice: When you press the **Power** (9) button, the sleep delay mode is deactivated.

4.3 Setting the alarm

The Radio has two Alarm presets

1. When your radio is in ON mode (playing), press the **Alarm** (7) button. The display will show "Alarm 1 setup". If you press one more time it will show "Alarm 2 setup".
    Press the **Tuning/select** (3) button/knob on either "Alarm 1 setup" or "Alarm 2 setup" depending on which Alarm you want to activate and the Alarm Wizard will start up.
2. Hours will start blinking in the display. Adjust time (hours) by turning the **Tuning/select** (3) button/knob until you reach the hour you want the alarm to start. Confirm by pressing the **Tuning/select** (3) button/knob
3. Next "minutes will start blinking. Adjust time (minutes) by turning the **Tuning/select** (3) button/knob until you reach the minutes you want the alarm to start. Confirm by pressing the **Tuning/select** (3) button/knob
4. Next Source will start blinking showing "Buzzer". Turn the **Tuning/select** (3) button/knob and scroll between Alarm start on "Buzzer", "DAB" or "FM" and confirm your choice by pressing the **Tuning/select** (3) button/knob.
5. Next choose "Last listened" on DAB and FM by pressing the **Tuning/select** (3) button/knob. Next by turning the **Tuning/select** (3) button/knob you can choose if the alarm has to be activated: Once, Daily, Weekdays or Weekend. Confirm you choice by pressing the **Tuning/select** (3) button/knob.
6. Next Date will start blinking, choose the date by turning the **Tuning/select** (3) button/knob and after you choose day, month and year remember to press the **Tuning/select** (3) button/knob to confirm each step.
7. Next the volume scale will show in the display. Choose your wished Alarm sound level by turning the **Tuning/select** (3) button/knob until you reach the volume level you want

8. Finally a screen appears that shows "Alarm 1 ON" where the "ON" is blinking. Press the **Tuning/select** (3) button/knob to confirm the whole alarm setup. When the Radio is turned off an Bell (alarm sign) is shown in the top right corner of the display. And you are ready.

4.3.1 To deactivate the alarm
1. Press **Snooze** (16) button to temporary stop the alarm.
2. To totally stop the alarm in Radio standby mode press the **Alarm** (7) button continuously until both Alarm 1 and Alarm 2 shows OFF.

4.4 Use of the Snooze function
1. When the radio is playing, you can press the **Snooze** (16) button to mute the radio.
2. To turn off the mute function, press the **Snooze** (16) button again.
   Notice that the Snooze function only mutes the build in speaker of the Radio. If you have connected your Radio to an external amplifier, the Snooze function will not work.
3. In alarm mode the Snooze function will, when pressing the button, mute the alarm for 5 minutes. After 5 minutes the alarm will sound again.

4.5 <System> settings and information
The radio has a system menu with various functions and information. The system menu can be accessed from all playback modes.
1. To enter the system settings press and hold the **Display** (5) button for three seconds.
2. Turn the **Tuning/select** (3) button/knob until it shows <System> in the display.
3. Activate the System menu by pressing the **Tuning/select** (3) button/knob.
4. Once in the system menu you can scroll through all the options by turning the **Tuning/select** (3) button/knob.

There are eight different system menu functions:
Equaliser, Time, Backlight, Inactive Standby, Language, Factory Reset, SW Upgrade, SW version

4.5.1 Time
1. Access Time settings by pressing the **Tuning/select** (3) button/knob when <Time> is shown in the display.
2. In the Time menu you can choose either to <Set Time/Date> manually or to <Auto update>
3. Choose which one you want and confirm by pressing **Tuning/select** (3) button/knob.
   It's recommended to have the setting on <Auto update>. This way the time and date will be updated automatically from either FM or DAB broadcasts.

4.5.2 Backlight
1. Access Backlight settings by pressing the **Tuning/select** (3) button/knob when <Backlight> is shown in the display.
2. Back light has 5 levels (1-5) turn the **Tuning/select** (3) button/knob until you reach your desired setting.
3. Press the **Tuning/select** (3) button/knob to confirm your choice.

4.5.3 Inactive standby
1. Access Inactive standby settings by pressing the **Tuning/select** (3) button/knob when <Inactive standby> is shown in the display.
   The Radio is default out-of-the-box set to turn off automatically after 120 minutes without any manual operation of the Radio.
2. To deactivate Inactive standby or to change the Timeout period turn the **Tuning/select** (3) button/knob until you reach your desired setting.
3. Press the **Tuning/select** (3) button/knob to confirm your choice.

4.5.4 Language

1. Access Language settings by pressing the **Tuning/select** (3) button/knob when <Language> is shown in the display.
2. Scroll through the language options by turning the **Tuning/select** (3) button/knob.
3. Press the **Tuning/select** (3) button/knob to confirm your choice.

4.5.5 Factory reset

1. Access Factory reset settings by pressing the **Tuning/select** (3) button/knob when <Factory reset> is shown in the display. You may want to erase your settings on your radio, including your presets and alarm and sleep delay settings.
2. Press the **Tuning/select** (3) button/knob to confirm. The Radio is now reset.

4.5.6 Software upgrade (SW upgrade)

1. Insert USB plug on the back side of the radio
2. Access Software upgrade settings by pressing the **Tuning/select** (3) button/knob when <SW upgrade> is shown in the display.
3. Press the **Tuning/select** (3) button/knob to confirm your choice.

4.5.7 Software version (SW version)

1. Access Software version information by pressing the **Tuning/select** (3) button/knob when <SW version> is shown in the display.
2. Press the **Tuning/select** (3) button/knob to confirm.
   The display now shows the software version of your Radio.

4.5.8 Battery operations and information

1. To charge battery, insert power plug into the backside of the radio. Indicator in the display will show that the battery is charging
2. Charge time from 0 to full is app. four hours
3. A fully charged battery, playing at 50% of maximum volume, will playback for app. 12 hours.
4. To prevent the radio from consuming battery power in stand-by mode, press and hold the "**power**" (9) button for three seconds until the display turns totally off.

5. Specifications

Broadcast Frequency ranges supported:
DAB: Band III: (174~240MHz)
FM: 87.5~108MHz
Audio Frequency Range: 85Hz ~ 20 kHz
Amplifier power/speaker: One 5w/3 inch full range speakers.
OLED display: 16x3
Input voltage: 12V DC/1,5A
Input connector: 3.5mm auxiliary input for audio players like iPod or Mobile Phone
Output connector: 3.5mm jack for connection to external amplifier
Headphone connector: 3.5mm jack for headphone
Battery play back time: 12 hours at full charge
Battery charge time: 3-4 hours
Dimensions (W x H X D): 205mmx133mmx113mm
Weight: **1.75 kg**

6. DAB Frequency Band overview

Frequency block	Frequency(MHz)	Frequency block	Frequency(MHz)
5A	174.928MHz	10N	210.096MHz
5B	176.640MHz	10B	211.648MHz
5C	178.352MHz	10C	213.360MHz
5D	180.064MHz	10D	215.072MHz
6A	181.936MHz	11A	216.928MHz
6B	183.648MHz	11N	217.088MHz
6C	185.360MHz	11B	218.640MHz
6D	187.072MHz	11C	220.352MHz
7A	188.928MHz	11D	222.064MHz
7B	190.640MHz	12A	223.936MHz
7C	192.352MHz	12N	224.096MHz
7D	194.064MHz	12B	225.648MHz
8A	195.936MHz	12C	227.360MHz
8B	197.648MHz	12D	229.072MHz
8C	199.360MHz	13A	230.784MHz
8D	201.072MHz	13B	232.496MHz
9A	202.928MHz	13C	234.208MHz
9B	204.640MHz	13D	235.776MHz
9C	206.352MHz	13E	237.488MHz
9D	208.064MHz	13F	239.200MHz
10A	209.936MHz		