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, and engineering is done 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 SA1, may it bring years of enjoyment.

Table of Content

1.1 Contents of the box;

o ARGON AUDIO SA1
o Quick Start Guide
o Power cable
o Remote control w/batteries

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

We also recommend that you keep this User Manual for future use.

1.2 Safety Instructions

- Unplug this product from the wall outlet before cleaning. Do not use this product near water or moisture. Do not spill liquids on the product. Clean only with a dry cloth.
- Place the unit on a solid surface.
- Do not put it in a closed bookcase or a cabinet that may keep air from flowing through its ventilation openings.
- Do not install near any heat sources, such as radiators, heat registers, stoves or other appliances that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs and the point where they exit from the product.
- During Lightning storms, unplug the product from the power source or if unused for long periods of time. This will prevent lightning and power-line surge damage to the product.
- Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please contact the manufacturer to be referred to an authorized service center near you.
- Do not overload wall outlets, extension cords, or integral power circuits as this can result in a risk of fire or electric shock.
- Never push any object through the product openings, as this can result in fire, electric shock or damage.
- Use proper power sources. Plug the product into a proper power source, as described in the operating instructions or as marked on the product.

If there is a Lightning flash with an arrow head on product, it's intended to alert the User of the presence of un-insulated "dangerous voltage" within the product, that might be of
sufficient magnitude to constitute a risk of electric shock to persons.
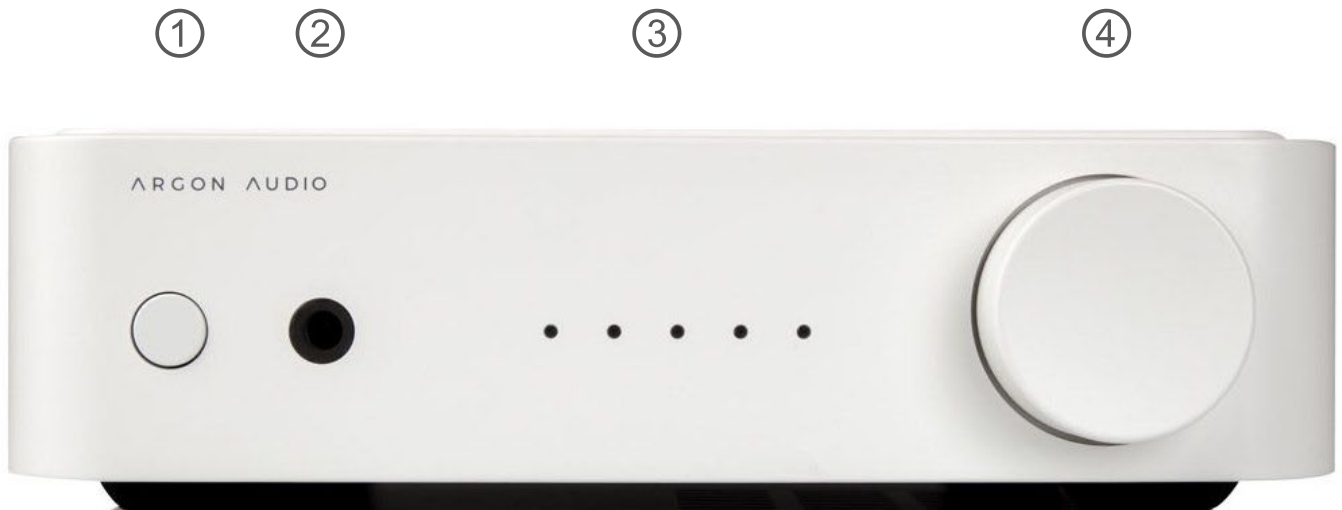
If there is an Exclamation point on the product, it's intended to alert the User that there is important operating and maintenance   (servicing) information in the User manual.

If there is a double rectangular symbol on the product, it means that the product is double insulated. Earth connection is not required.

2. Usage, controls and connections

2.1 Overview of Front

①　　②　　　　　③　　　　　　④

1. Power On power Off

　◊　Press to power ON, press to power OFF.

2. Remote eye sensor

3. Input indicator

4. Volume control and selector

　◊　Turn left or right for volume +/-, press volume button for input select

2.2 Overview of Back (inputs and connections)

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

1. **Ground (GND)**
   ◊ Connection for turntable grounding
2. **USB power**
   ◊ Connect power to a Chromecast device (see point 5 on page 8)
3. **Phono (MM) for turntable only**
   ◊ Connect a turntable, remember to connect "Ground" (①) as well
4. **Line in for analogue sources (AUX)**
   ◊ Connect any analogue audio source with Left Right cable
5. **Optical 1 (D1), optimized for TV input**
   ◊ Digital input, connect a TV to this input
6. **Optical 2 (D2), optimized for Hi-Fi listening**
   ◊ Digital input, connect a audio product to this input
7. **Pre out for pre-amplifier or subwoofer**
   ◊ Connect to a external Power Amplifier or,
   ◊ Connect a Subwoofer to this output
8. **Speaker right**
   ◊ Unscrew the plug to mount the un-isolated speaker cable or use a banana plug. (remember to get + and – connected similar on SA1 and your loudspeakers)
9. **Speaker left**
   ◊ Unscrew the plug to mount the un-isolated speaker cable or use a banana plug. (remember to get + and – connected similar on SA1 and your loudspeakers)
10. **Power**
    ◊ Insert the power cable that comes with the SA1, and connect to an electric outlet

2.3 Overview of Remote control (functions)

1. Power ON/OFF
   ◊ Press to turn power on or off
2. Input selector
   ◊ Press to choose your desired input source
3. Volume up/down
   ◊ Press to adjust volume up or down
4. Pairing of Bluetooth device
   ◊ Press to pair a new Bluetooth device
5. Skip track in Bluetooth mode
   ◊ Press to skip track forward or backwards
6. Mute or un-mute the sound
   ◊ Press to Mute or un-mute the sound

3. Quick start

1. Connect the Power cord into an electric outlet and into the back of the Amplifier.
2. Connect your speakers to the Amplifier using normal speaker cable.
3. Connect your source player (tablet, laptop, mobile phone, CD player, TV) to an input on the amplifier, using the input connection that fits your source device best.
4. The SA1 has a pre out, enabling you to connect an active subwoofer or a power amplifier.

4. Special functions and features

1. Remote control function with Samsung, Sony and Denon remotes
   ◊ Argon SA1 is born with IR commands from the most common Sony and Samsung TV. That is, you can use your Sony or Samsung IR remote control for completely basic commands such as: **volume up, volume down and mute**. On the SA1.
   ◊ If you have a remote control that does not send IR commands (eg, a Smart remote), some newer TVs also support IR learn so you can force the television to broadcast IR commands to your product, thus using your TV remote control to control your SA1. Find it in the list under setup on your TV to use this feature. Check the manual for your TV if in doubt.
2. Auto sense (APU Auto Power Up)
   ◊ When in standby mode, SA1 will by default start up automatically once you start playing music from your source. (notice, there is No Auto sense on Phono/Turntable input)
   ◊ Bluetooth will Auto connect to already paired devices.
   ◊ You can turn the Auto sense OFF if you wish. Press and hold the Power button on the remote for 5 sec.
     All LED indicators will light up for 2 seconds, and the SA1's APU is now disabled. When SA1 is powered on again it works normal again with APU function.
   ◊ If you do not want auto sense on the inputs at any time, you should always power the amplifier off manually with the remote (and hold the power button for 5 seconds when doing so)
3. Auto standby (APD Auto Power Down)
   ◊ The SA1 will automatically go into standby after 15 minutes if no music is playing.
   ◊ Timeout for Bluetooth connection loss with Bluetooth device is also 15 minutes
4. Un-Pair Bluetooth devices
   ◊ Press and hold pairing button for 5 sec – light will flash and unpair

5. Specifications

◊ Integrated Stereo amplifier (hybrid digital technology)
◊ Power 8 ohm: 2 x 40 watt in 4/8 ohm (20-20.000Hz, THD 0,03%)
◊ Dynamic Power (IHF) in 8 ohm: 50 watt
◊ Dynamic Power (IHF) in 4 ohm: 100 watt
◊ Frequency range: 3-60.000 Hz
◊ THD (20-20.000 Hz): <0,03%
◊ Energi usage in standby: <0,5 watt

◊ **Inputs** : 2 x optical digital (standard and low jitter), L/R analog stereo-in (RCA)
◊ Turntable MM input, wireless Bluetooth aptX HD
◊ **Outputs**: Pre out for external power amplifier, subwoofer or head phone amplifier, 5V USB-output for Chromecast Audio

◊ Bluetooth-function with Qualcomm aptX HD Audio for optimal BT sound quality
◊ 32-bit ESS Sable DAC full balanced mode
◊ Full balanced signal path from DAC to speaker connections
◊ Separate power supplies for analogue and digital (6 power supplies in total))
◊ Supports up till 24-bit/192kHz on optical inputs
◊ Auto power on/off on inputs incl. Bluetooth, but excluded turntable input
◊ Gold plated connections
◊ Electronic protection against power overload and short circuit

◊ Size : 22,0 x 6,3 x 25,2 cm (WxHxD)
◊ Weight : 2,2 kg