argon audio

DA2 v2

Owner's manual

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!

Introduction

Thank you for choosing Argon Audio DA2V2 amplifier, we hope it will bring you many years of enjoyment.
Please read this manual fully before unpacking and installing the product.

Unpacking

We have during production and packing carefully checked and inspected this amplifier.
After unpacking please check for any damage from transport.
We recommend that you keep the original carton box and packing material for any future shipping.

About DA2V2

The DA2V2 has been designed and engineered to achieve outstanding performance way beyond the expectations of a product at this price point. Excellent build quality, reliability and ease of use combine to make a product which if used correctly will offer you a lifetime of musical enjoyment. Omitting all the usual gimmicks allows us to concentrate the manufacturing costs on the high quality parts necessary to reproduce good sound. The money we save is spent across the design. Using Cirrus, AKM and Burr Brown D/A convertors and digital processors. We use solid aluminium cabinet and having USB audio input are just some of the quality features we have added that you normally will find only in products that costs two or three times the price of a DA2V2. The minimalist design of the Argon DA2V2 and the use of high quality components ensure that your amplifier should last for many years. Argon DA2V2 is one of very few true full digital stereo amplifiers on the market. Besides the amplification being done by a power full digital 2X50 watt RMS amplifier, DA2V2 also has future proof digital package on connections. Actually DA2V2 has only one normal analogue connection (just in case ☺). DA2V2 is as "future proof" as it gets at this time and you can basically connect any audio source, digitally.
Most audio sources have digital conversion but often of poor quality. The D/A converters build into this DA2V2, ensures you top quality D/A conversion of any digital audio signal..It's recommended to use digital inputs only – if possible.

Connecting your DA2V2

We recommend that you read the manual of your other components carefully before connecting your DA2V2. Please switch off all equipment when connecting your DA2V2.

The binding posts on the loudspeaker terminal accepts wire up to Ø 4mm or cables with banana plugs.

Make sure that positive terminal binding posts on the speakers (marked + and colored red) are connected to the positive output terminal binding posts on the DA2V2 and that the negative terminals on the speakers (marked – and colored black) are connected to the negative output terminal on the DA2V2. Now you can connect the audio source you want. (read more about this on page 4 and forward).

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Care and cleaning

We don't recommend use of any solvents or cleaners on Argon DA2V2 cabinet, the cabinet surface usually only requires dusting or cleaning with a damp soft cloth (only use cold clean water).

Environmental information

Argon DA2V2 complies with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste. Electrical and Electronic Equipment (WEEE) - the crossed bin symbol indicates compliance and that the products must be appropriately recycled or processed in accordance with these directives.

Safety instructions

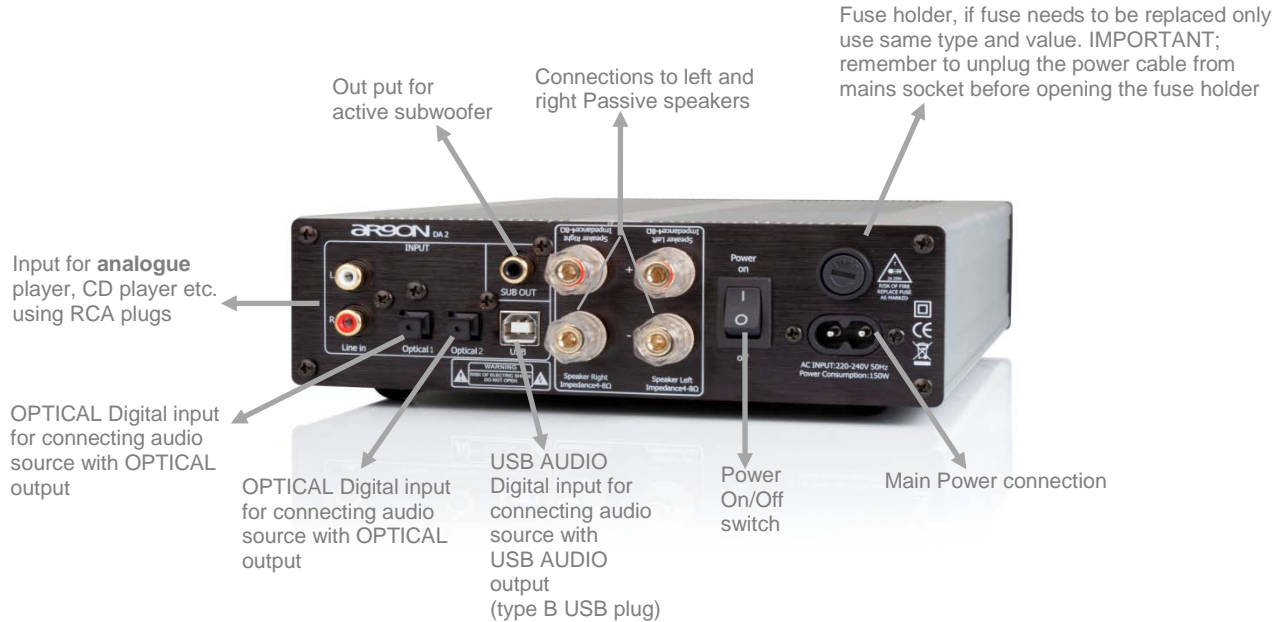*Please store this instruction manual for future reference.* Do not use this product near water or moisture. Clean only with a dry cloth. Unplug this product from the wall outlet before cleaning. Place the unit on a solid surface. Do not block any ventilation openings. Do not put it in a closed bookcase 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. Servicing is required when the product has been damaged. 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. To prevent risk of fire or electric shock, avoid over loading wall outlets, extension cords, or integral convenience receptacles. Do not let objects or liquids enter the product. Use proper power sources. Plug the product into a proper power source, as described in the operating instructions or as marked on the product.

Front panel

"ON" or "STANDBY"

MUTE the sound

Infra Red Eye for remote

1) Analogue line-in

2) OPTICAL Digital input

3) OPTICAL Digital input

4) USB AUDIO Digital input

Volume control

Notice: The above buttons marked with 1-4 are all input selectors that each corresponds to a connection on the back side of DA2V2.

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DA2v2

Rear panel and connections

Fuse holder, if fuse needs to be replaced only use same type and value. IMPORTANT; remember to unplug the power cable from mains socket before opening the fuse holder

Out put for active subwoofer

Connections to left and right Passive speakers

Input for **analogue** player, CD player etc. using RCA plugs

OPTICAL Digital input for connecting audio source with OPTICAL output

OPTICAL Digital input for connecting audio source with OPTICAL output

USB AUDIO Digital input for connecting audio source with USB AUDIO output (type B USB plug)

Power On/Off switch

Main Power connection

Remote control

DA2 comes with a remote control.
The remote control is a system remote control that also can control Argon iNet6+ which is an Internet tuner in same family as DA2.

The section with the white square around is dedicated to DA2, as well as the Red Power "ON" button saying "DA2".
The rest of the controls on the remote are dedicated iNet6+ (see page 10)

Notice:
Controlling Bass, Treble and Balance levels can only be done via the remote.

Notice:
If DA2 is connected with a Argon iNet6+ they have to be connected only by Optical digital out/in.
If iNet6+ is connected to DA2 via analogue RCA the volume function on the remote will not work properly.

Connecting your speakers

Connect the RED (+) and BLACK (-) terminals from the **left** speaker to the corresponding terminals on the DA2V2.
Connect the RED (+) and BLACK (-) terminals from the **right** speaker to the corresponding terminals on the DA2V2.
Use good speaker cable, to enhance sound quality. Expect to pay around 4-6US$ pr meter.
The binding posts on the DA2V2 terminals accepts wire up to Ø 4mm or cables with banana plugs.
Insulation on cable must be stripped on all ends.
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Connect your Argon DA2V2 to a subwoofer

Connect the single RCA plug to your Argon DA2V2 SUB OUT.
Your subwoofer need to have input for one RCA plug just like there is only one RCA output plug from the DA2V2.
Connect using this single RCA plug at both ends.
Your Subwoofer might have a Left and Right input. In this case you can choose between two options:
Option 1 is to use one single RCA connection on the subwoofer and you can choose either L or R input and leave the other one unplugged.
Option 2 is to get a cable with one RCA plug at one end for connection to DA2V2 and two RCA (L and R) at the other end for connecting to the Subwoofer.
To make things simple, we recommend you to use only one RCA at both ends, even though your subwoofer might have both an L and R input.
Warning: You should never connect a Subwoofer using the speaker cables from your Argon DA2V2 as output to the subwoofer. Using this option can seriously damage your Argon DA2V2.

Analogue audio connection

Your Argon DA2V2 is equipped with 1 analogue audio input.
The analogue input is of the left/right RCA type.
You simply connect the left/right RCA plugs to the corresponding plugs on ex. your CD player (if it doesn't have digital output)
You can also use this connection for analogue sound out from a TV.

Note: that most new TV remotes can control the Argon DA2V2 volume if connected to variable TV audio out.

Use of digital audio connection

Your Argon DA2V2 has 3 digital inputs
- Optical digital 1
- Optical digital 2
- USB audio digital

The Optical digital connections are typically used for; newer TV's, hi-fi products such as CD player, DVD players, Digital tuners (like Argon iNet6+). Take a look at the back side of your audio source product and see what kind of digital output it has.
Notice; when using Optical cables, remember to remove the small plastic protection from each end of the optical cable.

Use of digital audio connection (USB Audio)

Your Argon DA2V2 is uniquely equipped with a USB Audio Digital input
A USB Audio Digital input means that you can connect a PC and directly play digital audio content from the PC.
Conversion of the signal from digital to analogue would normally happen in the PC, but often the D/A conversion quality in PC's are of poor standard.
DA2V2 has high quality build in D/A converters that converts the Optical signal in the DA2V2 with up till 16bit/96Khz and USB digital audio with 16bit/48Khz. **Notice**: optical is **not** supported via Bluetooth to an Argon BT2. Instead, use analogue input on DA2V2, if you intend to connect an Argon Audio BT2 Bluetooth adaptor.

What can you connect to USB AUDIO input?

USB digital audio input is shown on page 5 on the back panel description.
Your Argon DA2V2 is using a USB type B plug (similar to what many Printers use)

USB AUDIO is primarily intended for playback from a PC.
All PC's have USB AUDIO out.
Connection will in most cases be a standard flat USB plug in the PC end and a USB type B plug for the DA2V2.

Other audio source products might also have USB AUDIO out. Refer to your audio source manual about this issue.
Notice that Apple iPod, iPhone etc, are not supported for USB AUDIO on DA2V2.
If you want to know more about USB and USB AUDIO you can check http://en.wikipedia.org/wiki/USB

Notice: If DA2V2 is connected with a Argon iNet6+ they have to be connected only by Optical digital out/in.
If iNet6+ is connected to DA2V2 via analogue RCA the volume function on the remote will not work properly

Power Management (Auto Stand-by)

According to the EC regulations implemented January 1st.
2013 Argon Audio DA2V2 will automatically go into auto standby if it is without a music signal for 20 minutes.
This rule is applied by the EC in order to save power consumption.

Basic Troubleshooting

If the LED does not light up, check...
that the AC power cord is firmly plugged into the rear panel and wall outlet.
to make sure the amplifier rear panel power switch is ON.
that the amplifier is getting power from the wall outlet.
that the rear panel voltage match the operating voltage.
the fuse in the AC IN on the rear panel. If the fuse needs to be replaced it is extremely important to replace only with same fuse type and value.

If no sound output, check...
that the amplifier is turned on (blue LED illuminated)
to make sure the speakers are connected correctly
that the volume on the front panel is not all the way down.
the volume level on the iPod or other audio source.

If bass output is low, check...
speaker wire polarity (verify that wires are going to same terminals on both speakers + to + and – to -)
Using Optical cable… ensure that you have removed the small plastic covers from the Optical cable connections

Specifications:
Type: Full class D, digital amplifier
Inputs: Digital USB2.0, 2 x Optical digital,
Analogue L/R RCA stereo input
Output: SUB-OUT, 1 set speaker output
Main voltage: 220-240V, 50/60Hz
Distortion: @4ohm 20-20Khz 0,3% @8ohm 20-20Khz 0,2%
Input sensitivity: 500mV (RCA) analogue
Frequency Response: (-1db @1Khz): 20Hz-20Khz
Output Power: 2X50W (RMS @4ohm)
Resolution: USB2.0 16bit/48Khz, Optical max.
16 bit/96Khz
Optical processing: Burr Brown 2704 processed via Sp/diff and then D/A converted by AKM4388A

Notice: optical is **not** supported via Bluetooth to an Argon BT2. Instead, use analogue input on DA2V2, if you intend to connect an Argon Audio BT2 Bluetooth adaptor).

Recommendation

Argon DA2V2 is part of a small family that also consists of iNet6+.

iNet6+ is like DA2V2 a full digital product. iNet6+ is basically an Internet based tuner. Besides access to thousands of Internet radio stations, iNet6+ also has digital DAB+ radio and streaming functionality from PC or UpnP drives.

If you are into the digital Internet era of streaming music, and if you want to complete the Argon family we strongly recommend you to try out iNet6+.

Argon Stream 2,6 Full Digital, Internet and Streaming Midi-size Hi-Fi system