

ARGON

SUB640



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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 Subwoofer, we hope it will bring you many years of enjoyment.

Please read this manual fully before unpacking and installing the product.

Argon SUB640 is manufactured with a no-nonsense approach. SUB640A is without any unnecessary gimmicks, bling bling or fancy features. The money is spent on quality components, efficient woofer driver and extremely solid cabinet. Quality features you only see on products twice the price of an Argon SUB640.

Unpacking

We have during production and packing carefully checked and inspected this Subwoofer.

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.

Subwoofer installation

The Subwoofer requires connection to the mains power supply, so for your safety it is important that you read both this manual and the amplifier manual before connecting.

Subwoofer positioning

Variations in placement of loudspeakers can produce dramatic differences in the way music sounds. No listening room is the same and therefore we encourage you to spend some time experimenting with which placements work best in your listening room. Positioning of Subwoofers is however less critical compared with full-range loudspeakers because the low frequencies reproduced by a subwoofer can be difficult to locate in the room. You can start with our basic recommendations.

To begin with, if you use the Subwoofer in a surround set-up, the Subwoofer should ideally be positioned between the TV and one of your front loudspeakers, as fig. 2 to 4 on page 6. If you are using the Subwoofer in a stereo set-up the Subwoofer should ideally be positioned between the two front stereo speakers, as fig.1 on page 6.

You should know that, if the Subwoofer is placed close to a wall or in a corner, the bass sound will be enhanced.

It's your choice what you like the most. Another example is the placement of the Subwoofer in the middle of the stereo

speakers or away from the center of the stereo speakers. This may have an impact on how you perceive the stereo image, even though its only low frequency sounds that come from the Subwoofer. Trust your ears and be willing to experiment freely. (Almost) everything is possible ☺

Running-in period

We recommend a running-in time of your new SUB640 Subwoofer of approximately 15-20 hours at normal listening level before you decide on the final positioning and control settings of the Subwoofer. During the running-in time the drive units will settle in and perform as intended.

Connecting your Subwoofer

We recommend that you read the manual of your Amplifier or AV-receiver carefully before connecting your Subwoofer. First switch off the Amplifier and all equipment before you connect the Subwoofer.

If your Amplifier has a SUB-OUT or PRE-OUT function:

Connect the Subwoofer input IN (5) as shown on page 5 and your Amplifier's SUB out with a RCA/phono cable.

If your Amplifier does NOT have a SUB-OUT or PRE-OUT function:

Connect the speaker cables from the Amplifier to the Subwoofer (6) left/right, +/- as shown on page 5. Then connect the satellite speakers directly to amplifier's second set of speaker output. We do only recommend this connection as an emergency solution, if your amplifier is without SUB-OUT or PRE-OUT (luckily 99% of newer amps. has this). When finished connect the subwoofer net cable (10) as shown on page 5 to the mains voltage, and push the

POWER ON/OFF button (9) as shown on page 5 to ON position, the indicator lamp POWER LED will now glow blue and the Subwoofer is active and ready to be used.

The Argon SUB640 Subwoofer has a built-in AUTO STANDBY function and after approximately 10 minutes without any input signal the subwoofer will automatically switch off, and the indicator lamp POWER LED will change color. When an input signal is detected the subwoofer will become active and the indicator lamp POWER LED will glow blue. For setting AUTO standby see page 4- 5.

Setting volume, frequency and phase

The volume, crossover and phase (controls 1, 2 and 3 on page 4-5) can be adjusted on the rear panel, and we recommend that you adjust the setting of these controls to your liking – try with different music and films. If you want more detailed information on these control functions, we invite you to visit our homepage www.argonaudio.com.

Care and cleaning

We don't recommend use of any solvents or cleaners on Argon SUB640 cabinet, the cabinet surface usually only requires dusting or cleaning with a damp soft cloth (only use cold clean water).

The grille fabric may be cleaned with a normal clothes brush or vacuumed carefully with the grille detached from the cabinet. Avoid touching the drive unit, and do not use the Subwoofer as a coffee or drinks table (risk of water being spilled into the subwoofer).

Disconnect the Subwoofer from the mains supply if taken out of use for a longer period.

Environmental information

Argon SUB640 Subwoofer complies with international directives on the Restriction of Hazardous Substances 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. (RoHS) in electrical and electronic equipment and the disposal of Waste.

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 operation instructions or as marked on the product.

Rear panel and connections

- 01** Volume adjustment
- 02** Cross-over / Frequency adjustment
- 03** Phase adjustment
- 04** Low Level Output, for connection extra Subwoofer etc.
- 05** Sound input from audio source or from amplifier/av reciever with pre-out or sub-out (1. priority use)
- 06** Speaker input from amplifier/av reciever. Should only be used if there is no PRE-OUT or SUB-OUT available on the amplifier/av-reciever.
- 07** LED indicator Blue = "on", red = "stand-by"
- 08** The unit will go into stand-by status if put on "AUTO", if there is no signal input for 10 minutes. If in "ON" position the Subwoofer will remain powered ON indefinitely.
- 09** On/Off function of the unit
- 10** Power cable
- 11** Fuse holder, if fuse needs to be replaced use only same type and fuse value. **IMPORTANT**; remember to unplug the power cable from mains socket before opening the fuse holder.

See illustration on page 5 for explanation

Rear panel and connections



Subwoofer positioning

fig. 1 stereo

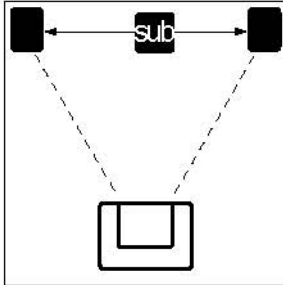


fig. 2 surround 5.1

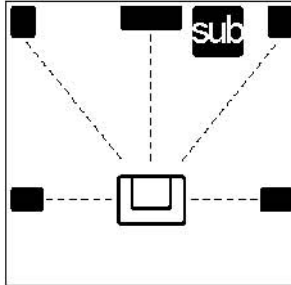


fig. 3 surround 6.1

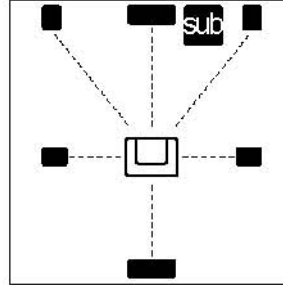
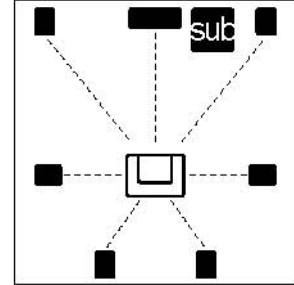


fig. 4 surround 7.1



As explained on page two under “Subwoofer positioning” you have various choices. The above illustrations are the optimal placements of both loudspeakers and the Subwoofer.

However, in “real life” it can be difficult to set up at sound system optimally.

As mentioned, the Subwoofer is the loudspeaker that is least affected by the positioning. So once again, feel free to experiment.

Specifications

Type: Reflex type cabinet

Speaker: 1 woofer Driver

Inputs: L/R RCA stereo input, speaker input from amplifier

Output: Low level line out

Main voltage: 220-240V, 50/60Hz

Amplifier type: Analogue Hi-Fi Amplifier

Woofer: 6 1/2" Long stroke Woofer Speaker

Phase regulation: yes 0-180 degrees

Volume regulations: yes

Auto stand-by: yes after 10 min.

Frequency Response: (-3db): 50Hz-200Hz

Cross over Frequency: 40-200Hz adjustable

Output Power: 1x65W (RMS)

Weight: 6,5 kg

Troubleshooting

Basic troubleshooting

If the LED indicator lamp does not light up, check...

that the power cord (10) is firmly plugged into the wall outlet

that the POWER switch (9) on the rear panel is ON

that the mains voltage is correct and matching the subwoofer

the fuse, if fuse (5) need to be replaced only use same type and value

If no sound, check...

that the subwoofer is turned on (indicator LED lamp glows blue)

that the VOLUME control (1) on the rear panel is not all the way down

that the input cable (5) or (6) is firmly plugged in both subwoofer and amplifier

that the subwoofer gets a signal from the amplifier - check tone on most av-receivers