

BAS0 Series

User & Installation

Manual



www.audac.eu

Introduction

Compact bass reflex cabinets

The BASO cabinets are universally usable passive bass cabinets. Their bass reflex design is engineered to be as compact as possible while giving the maximum performance in terms of sound quality and pressure. Their enclosures are crafted out of sturdy high-quality plywood while their elegant design enables them to be placed in any environment.

The carefully selected high-grade materials in collaboration with accurate acoustical craftsmanship results in an impressive combination of punch and low frequency extension. The different models in this range with various size are resulting in different performance specifications, providing a suitable solution for every application.

Besides the acoustical specifications, there also has been paid a lot of attention to the other aspects making these cabinets as versatile as possible. The enclosures are designed without any sacrifice to robustness due to the high-grade plywood materials finished with structured coating.

Connections are made using two speakon compatible connectors located in a recessed connector dish, allowing link-through to other cabinets. This also allows close placement to any wall or corner.

The BASO bass cabinets are available in Black (/B) or White (/W).

Precautions

READ FOLLOWING INSTRUCTIONS FOR YOUR OWN SAFETY

- ALWAYS KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. NEVER THROW THEM AWAY
- ALWAYS HANDLE THIS UNIT WITH CARE
- CLEAN ONLY WITH DRY CLOTH
- HEED ALL WARNINGS AND FOLLOW ALL INSTRUCTIONS
- NEVER EXPOSE THIS EQUIPMENT TO RAIN, MOISTURE, ANY DRIPPING OR SPLASHING LIQUID. AND NEVER PLACE AN OBJECT FILLED WITH LIQUID ON TOP OF THIS DEVICE
- DO NOT PLACE THIS UNIT NEAR ANY HEAT SOURCES SUCH AS RADIATORS OR OTHER APPARATUS THAT PRODUCE HEAT
- DO NOT PLACE THIS UNIT IN ENVIRONMENTS WITH A HIGH LEVEL OF DUST, HEAT, MOISTURE OR VIBRATION
- THIS UNIT IS DEVELOPED FOR INDOOR USE ONLY. DO NOT USE IT OUTDOORS
- ONLY USE ATTACHMENTS & ACCESSORIES SPECIFIED BY THE MANUFACTURER.
- CAREFULLY CHECK THE UNIT'S CONDITION AFTER UNPACKING. IF THERE IS ANY DAMAGE TO THE CARTON BOX OR THE UNIT ITSELF, INFORM YOUR VENDOR IMMEDIATELY.

CAUTION

- USE CABLES OF THE RIGHT GAUGE TO CONNECT THE LOUDSPEAKER
- USE CABLES WITH CLEAR COLOUR CODING INDICATING THE POLARITY AND MAINTAIN THE SAME POLARITY THROUGHOUT THE WHOLE SYSTEM.
- ONLY USE THE CORRECT AMPLIFIER OUTPUT VOLTAGE AND IMPEDANCE. EXCEEDING THESE LIMITS COULD CAUSE FIRE OR OTHER FAILURES.
AVOID EXPLOSIONS: DO NOT USE THE SPEAKER AROUND GASOLINE, THINNER OR OTHER COMBUSTIBLES
- AVOID ELECTRIC SHOCKS: SWITCH OFF THE AMPLIFIER WHEN CONNECTING THE LOUDSPEAKER
- DO NOT USE THE LOUDSPEAKER FOR AN EXTENDED PERIOD OF TIME AT DISTORTED SOUND. THIS COULD CAUSE PERMANENT DAMAGE.



CAUTION – SERVICING

This product contains no user serviceable parts. Refer all servicing to qualified service personnel. Do not perform any servicing (unless you are qualified to do so.)



EC DECLARATION OF CONFORMITY

This product conforms to all the essential requirements and further relevant specifications described in following directives: 2004/108/EC (EMC) and 2006/95/EC (LVD)



WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The WEEE marking indicates that this product should not be disposed with regular household waste at the end of its product life. This regulation is created to protect both the environment and human health.

This product is developed and manufactured with high quality materials and components which can be recycled and/or reused. Please dispose this product to your local collection point or recycling centre for electrical and electronic waste. This will make to sure that it will be recycled on an environmentally friendly manner, and will help to protect the environment in which we all live.

Installing the BASO Placement

The low frequencies produced by a bass cabinet are non-directional, and therefore the placement of the subwoofer in the listening area is not critical. However, few simple rules concerning its positioning can significantly influence the result.

The bass frequencies have the best dispersion low over the ground. Because of this reason, bass cabinets are mostly commonly placed on the floor and not mounted to walls or ceilings (unless there is no other way). Additionally, placement of bass cabinets near boundaries will couple their sound with it, increasing the sound pressure level. When placing your bass cabinet into a room corner will further increase the amount of bass.

When having multiple bass cabinets in your setup, side-by-side placement will result in an acoustic coupling between them which provides an increased SPL and punch. However some other applications will require a wider dispersion of bass, depending of the room size, layout and acoustics.

The ideal positioning of bass cabinets is highly depending of the typical application, and there is no such perfect way which is always right. Making some experiment-wise tests about placement and coupling of bass cabinets can lead to improved results.

Connection

The connection of the BASO cabinets is made using speakon compatible connectors. Two connectors are provided in a recessed connector dish on the rear side of the cabinet.

There isn't any internal low-pass network provided, which means the applied signal should be filtered / processed using an external crossover or DSP controlled amplifier.

The used connectors are 4-pin types where to the low frequency signal should be applied on the +1 and -1 terminals. The second connector can be used for linking the signal coming from the amplifier to additional loudspeakers, resulting in a parallel network.

Mind the polarity markings when wiring the loudspeaker cables.

