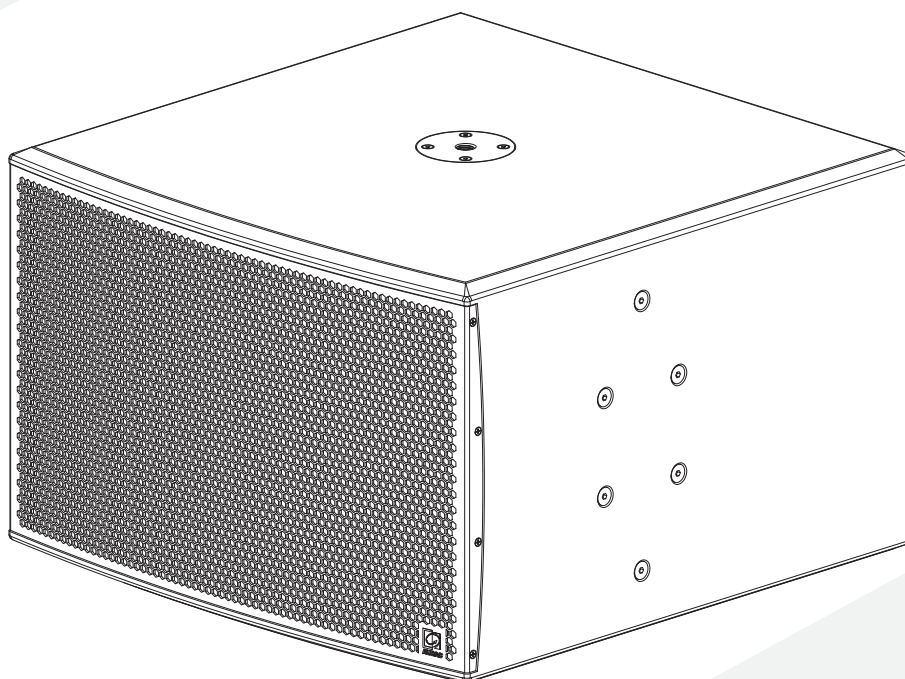


BASSO1xx



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ADDITIONAL INFORMATION

This manual is put together with much care, and is as complete as could be on the publication date. However, updates on the specifications, functionality or software may have occurred since publication. To obtain the latest version of both manual and software, please visit the Audac website @ www.audac.eu.



Ultra-high power infra-subwoofer

Engineered for demanding environments such as nightclubs, concert venues, theme parks, and hospitality spaces, the BASSO Series combines cutting-edge technologies like the pure carbon fiber cone and AeroVent for exponential low-noise venting with meticulous craftsmanship to set a new standard in low-frequency fidelity.

With a focus on ultra-high power output and exceptional sound clarity, the BASSO Series offers a flexible, efficient solution for diverse applications. Each model is designed to deliver a visceral sound experience with immersive infra-sub performance and extremely low distortion.

READ FOLLOWING INSTRUCTIONS FOR YOUR OWN SAFETY

ALWAYS KEEP THESE INSTRUCTIONS. NEVER THROW THEM AWAY

ALWAYS HANDLE THIS UNIT WITH CARE

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

THIS UNIT HAS VERSIONS DEVELOPED FOR INDOOR USE AND OUTDOOR USE. CHECK THE VERSION YOU HAVE BEFORE DEPLOYMENT

THE OUTDOOR VERSION OF THIS UNIT HAS BEEN DESIGNED FOR THE WEATHER CONDITIONS ENCOUNTERED IN PROTECTED OUTDOOR ENVIRONMENTS.

NEVER EXPOSE THIS EQUIPMENT DIRECTLY TO RAIN, MOISTURE, ANY DRIPPING OR SPLASHING LIQUID. AND NEVER PLACE AN OBJECT FILLED WITH LIQUID ON TOP OF THIS DEVICE.

NO NAKED FLAME SOURCES, SUCH AS LIGHTED CANDLES, SHOULD BE PLACED ON THE APPARATUS

DO NOT INSTALL THIS UNIT NEAR ANY HEAT SOURCES SUCH AS RADIATORS OR OTHER APPARATUS THAT PRODUCE HEAT

DO NOT PLACE THIS UNIT IN ENVIRONMENTS WHICH CONTAIN HIGH LEVELS OF DUST, HEAT, MOISTURE OR VIBRATION

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.

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)



EC DECLARATION OF CONFORMITY

This product conforms to all the essential requirements and further relevant specifications described in following directives: 2014/30/EU (EMC2) & 2014/35/EU (LVD).

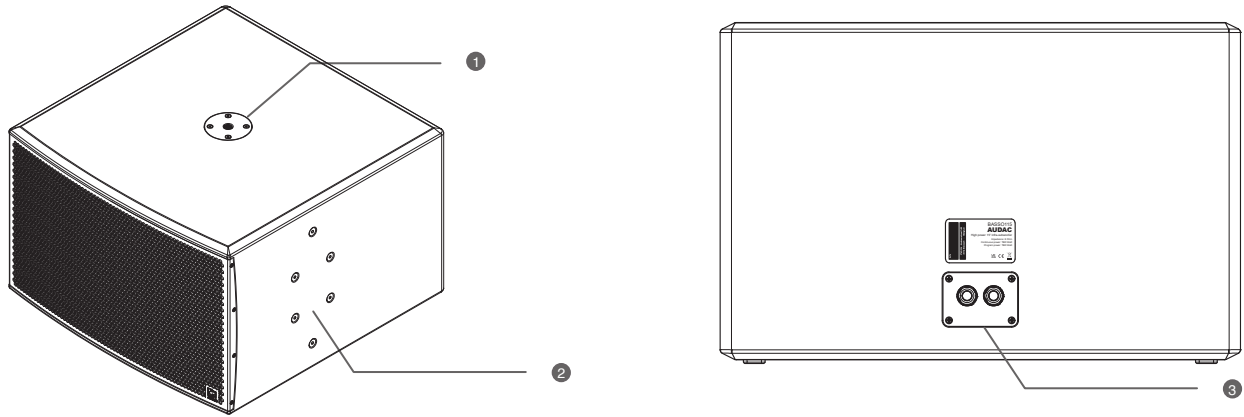


WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The WEEE marking indicates that this product should not be disposed with regular household waste at the end of its life cycle. This regulation is created to prevent any possible harm to the environment or 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 at your local collection point or recycling centre for electrical and electronic waste. This will make sure that it will be recycled in an environmentally friendly manner, and will help to protect the environment in which we all live.

Overview and connecting BASSO1xx



1) Stand fitting

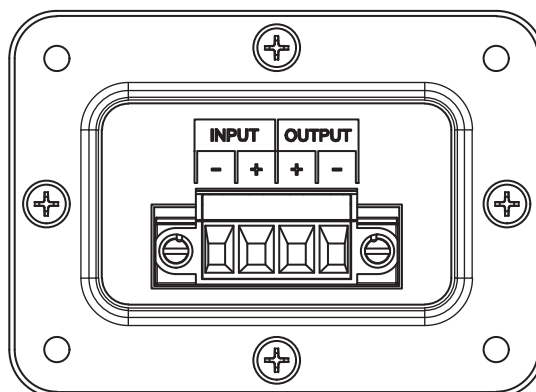
The AUDAC BASSO1xx series equipped with a single M20 internal thread stand adapter on top, allowing secure and stable mounting on speaker poles. This feature ensures flexible integration in various setups, providing optimal positioning for enhanced infra-low frequency performance. This M20 internal thread stand adapter is not available on /OB models.

2) Rigging points

The BASSO112 features 8 x M10 mounting bracket installation holes on both sides of the cabinet. The BASSO115 and BASSO118 features 12 x M10 mounting bracket installation holes on both sides of the cabinet. These mounting points provide flexibility for secure and stable installation in a variety of configurations allowing for customized positioning to provide infra-low frequency reinforcement in any environment.

3) Terminal block connector with link-through

The wires from the amplifier should be connected to the high-current terminal block located on the back of the BASSO1xx ultra-high power infra-subwoofer. This high-current terminal block connector ensures a secure and reliable connection, making it ideal for fixed installations. The BASSO1xx is equipped with a link-through terminal, allowing multiple BASSO1xx ultra-high power infra-subwoofer to be connected. This simplifies wiring in larger setups by distributing the input signal efficiently across multiple infra-sub, ensuring consistent infra-low frequency coverage.



Installing BASSO1xx

1) Placement

The infra-low frequencies produced by the AUDAC BASSO1xx series ultra-high power infra-subwoofers are naturally omnidirectional, meaning their placement within a space is flexible. However, following a few key guidelines can significantly enhance performance and efficiency.

For optimal dispersion, infra-low frequency speakers perform best when positioned close to the ground. This is why BASSO1xx ultra-high power infra-subwoofers are typically floor-deployed rather than attached to ceilings, unless absolutely necessary. Additionally, placing the infra-sub near boundaries, such as walls or floors, reinforces bass output by naturally increasing sound pressure levels. Positioning a infra-subwoofer in a room corner further enhances infra-low frequency response due to boundary coupling.

When using multiple BASSO1xx ultra-high power infra-subwoofer, placing them side by side enhances acoustic coupling, resulting in greater sound pressure levels and a more impactful bass response. However, in some applications—depending on room size, layout, and acoustic characteristics—a wider dispersion may be preferable to achieve balanced coverage. Since ideal infra-subwoofer placement depends on the specific application, experimenting with positioning and coupling can help optimize performance for the best possible listening experience.

2) Outdoor deployment

The BASSO1xx/OB ultra-high power infra-subwoofer is rated IP55 and is designed for protected outdoor environments. The BASSO1xx/OB is not designed for direct exposure of outdoor environments, water or moisture. Direct exposure may compromise the integrity of the unit.

3) Connection

The BASSO1xx infra-sub is equipped with a high-current terminal block connector with link-through for easy and secure wiring. This allows for straightforward daisy-chaining of multiple BASSO1xx, ensuring a seamless setup.

Since the BASSO1xx does not include an internal low-pass filter, the input signal should be processed using an external crossover, a DSP-controlled amplifier. WaveDynamics preset are available in the latest version of AUDAC Touch to achieve optimal performance.

Mind the polarity markings when wiring the loudspeaker cables.

Technical specifications



	BASSO112	BASSO115	BASSO118
Speaker type	12" Infra- sub	15" Infra-sub	18" Infra-sub
Configuration	AeroVent	AeroVent	AeroVent
Peak power handling	4000W	6000W	6000W
Program power handling	2000W	3000W	3000W
Continuous power (AES)	1000W	1500W	1500W
Nominal impedance	8 Ohm	8 Ohm	8 Ohm
Max SPL (Continuous)	124 dB	130 dB	131 dB
Sensitivity 1W/1m	94 dB	98 dB	99 dB
Frequency response (- 3dB)	33 Hz - 120 Hz	37 Hz - 120 Hz	30 Hz - 120 Hz
Frequency range (-10dB)	26 Hz - 200 Hz	31 Hz - 200 Hz	23 Hz - 200 Hz
Bass port tuning frequency	39 Hz	38 Hz	33 Hz
Connectors	High-current terminal block with linkthrough		
Drivers	12" carbon cone with dual suspension (low-loss) and 3.5" high excursion voice coil	15" carbon cone with dual suspension (low-loss) and 4" high excursion voice coil	18" carbon cone with dual suspension (low-loss) and 4" high excursion voice coil
Ingress Protection rating	IP55 (BASSO112/OB)	IP55 (BASSO115/OB)	IP55 (BASSO118/OB)
Dimensions (w x h x d)	608 x 366 x 595 mm (excluding feet)	688 x 446 x 703 mm (excluding feet)	758 x 550 x 798 mm (excluding feet)
	608 x 371 x 595 mm (including feet)	688 x 451 x 703 mm (including feet)	758 x 555 x 798 mm (including feet)
Weight	26 Kg	35 Kg	45 Kg
Operating temperature	-20 °C ~ 70 °C	-20 °C ~ 70 °C	-20 °C ~ 70 °C
Construction	18 mm Multiply Plywood with multi-layer Polyurea coating		
Front finish	2.0 mm Steel grill with hexagon perforations and acoustic foam backing	2.5 mm Steel grill with hexagon perforations and acoustic foam backing	2.5 mm Steel grill with hexagon perforations and acoustic foam backing
Colours	Black		
Mounting & handling	8 x M10 mounting bracket installation holes on both sides	12 x M10 mounting bracket installation holes on both sides	12 x M10 mounting bracket installation holes on both sides
Mounting & handling	1 x M20 internal thread stand adapter (not available on /OB models)		

Notes



Notes



Notes





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