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XN Series - XN 15.0.3

User Manual

Rev 1.0.3

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Tech Support : support@atomikaudio.com

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WARNINGS! IMPORTANT SAFETY INSTRUCTIONS

Thank you for your confidence in purchasing the Atomik Audio XN series of sound systems.

Please read the owner's/installation manual carefully to ensure optimum performance of the sound system as intended by the designer.

Please ensure use of the XN series of loudspeakers with their dedicated DSP presets to achieve their optimum best.

Atomik Audio will not be responsible for damage caused by improper use or modifications to this product.

Atomik Audio will not be responsible for damage caused by improper installation or optimization of this product.

Clean only with dry cloth.

Keep this product away from moisture and water.

Do not expose this product to direct rain.

Do not expose this product to direct sunlight.

Keep this product away from Hard Drives/Hard Disks.

Do not install near any heat sources such as radiators, stoves, or other heat-producing apparatus.

Use only accessories specified/supplied by Atomik Audio.

Refer all servicing to qualified service personnel.

No user serviceable parts inside.

DANGER!

HIGH SPL MAY CAUSE HEARING DAMAGE

CAUTION!

RISK OF ELECTRICAL SHOCK
DO NOT OPEN

XN SERIES - OVERVIEW

Introduction

The XN Series is a set of full range, point-source loudspeakers and powerful subwoofers.

Our XN Series speakers are well-known for their versatility and high-resolution sound.

They are the top choice for professionals in live performances, audio rental services, nightclub installations, pubs, bars, cafes and lounges.

The XN Series delivers clear and detailed sound even at very high volumes, which is rare in the pro audio world. They keep the sound quality intact, ensuring every detail is heard. This makes them essential for any place where sound quality is important.

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XN 15.0.3

SKU Number: XN1503-SPKR-0000-9315

Description

The Atomik Audio XN 15.0.3 is a 2-way passive full-range loudspeaker, designed for the pro-audio rental and fixed installation markets.

This point source box can be used individually or arrayed with up to 3 boxes into a single spherical point source array.

It features a 1.4" HF driver and a 15" LF driver for low frequencies, making it a high-output enclosure.

For optimal sound reinforcement with high SPL, we recommend using this enclosure with our subwoofers.

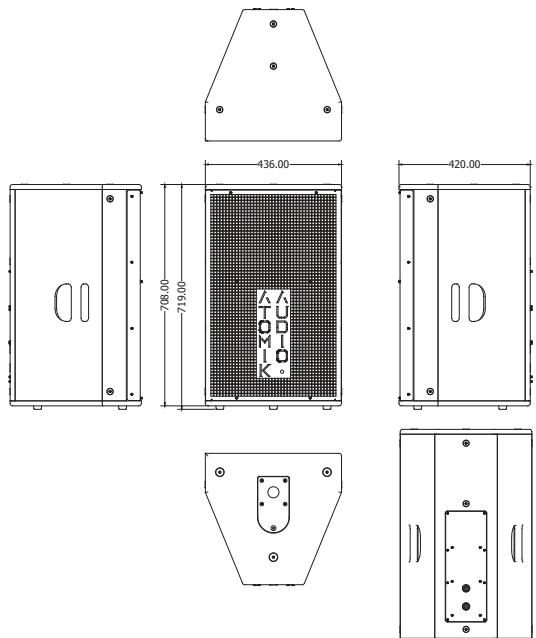
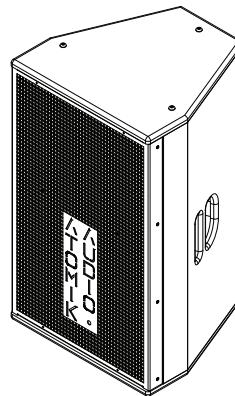
Features

- Very high SPL output.
- Exceptional fidelity & high resolution loudspeaker system.
- Very smooth power response.
- High sensitivity design.
- Dual Neutrik NL4 connectors.
- Easily compatible with the XN 18.0.1 Sub Woofer or the XN 218.0.2 Subwoofer.
- Heavy duty 16mm marine plywood enclosure.
- 2mm thick steel grill with an acoustic micro-foam backing.
- 3 x M10 rigging points for easy flying.
- Passive crossover.

Technical specifications

- HF Driver - 1.4" HF ferrite compression driver with a 51.6 mm voice coil and titanium diaphragm.
- LF Driver - 15" LF ferrite driver with a 76.2 mm voice coil.
- HF Horn - 60 x 40 degree nominal coverage pattern, rotatable HF horn.
- Axial Sensitivity - 101dB @ 1w/1m
- Maximum SPL - 127.9 dB Peak SPL (Measured - AES75-2022 M-Noise)
 - 134.4 dB Peak SPL inf (Measured - AES75-2022 M-Noise)
 - 132.5 dB SPL peak, 134.2 dB SPL peak inf (Unweighted)
 - 127.9 dB SPL peak, 134.4 dB SPL peak inf (A weighted)
 - 132.7 dB SPL peak, 134.1 dB SPL peak inf (C weighted)
- Power - Max 500 watts long term continuous / Peak 1000 watts
- Nominal Impedance - 8 ohms passive
- Frequency Response - -3dB 65Hz to 18kHz
- Dimensions in mm & in WxHxD - 436mm x 757mm x 415mm,
17.2" x 29.8" x 16.3"
- Weight - 18kgs / 39.6lbs

Dimensions in mm



Accessories

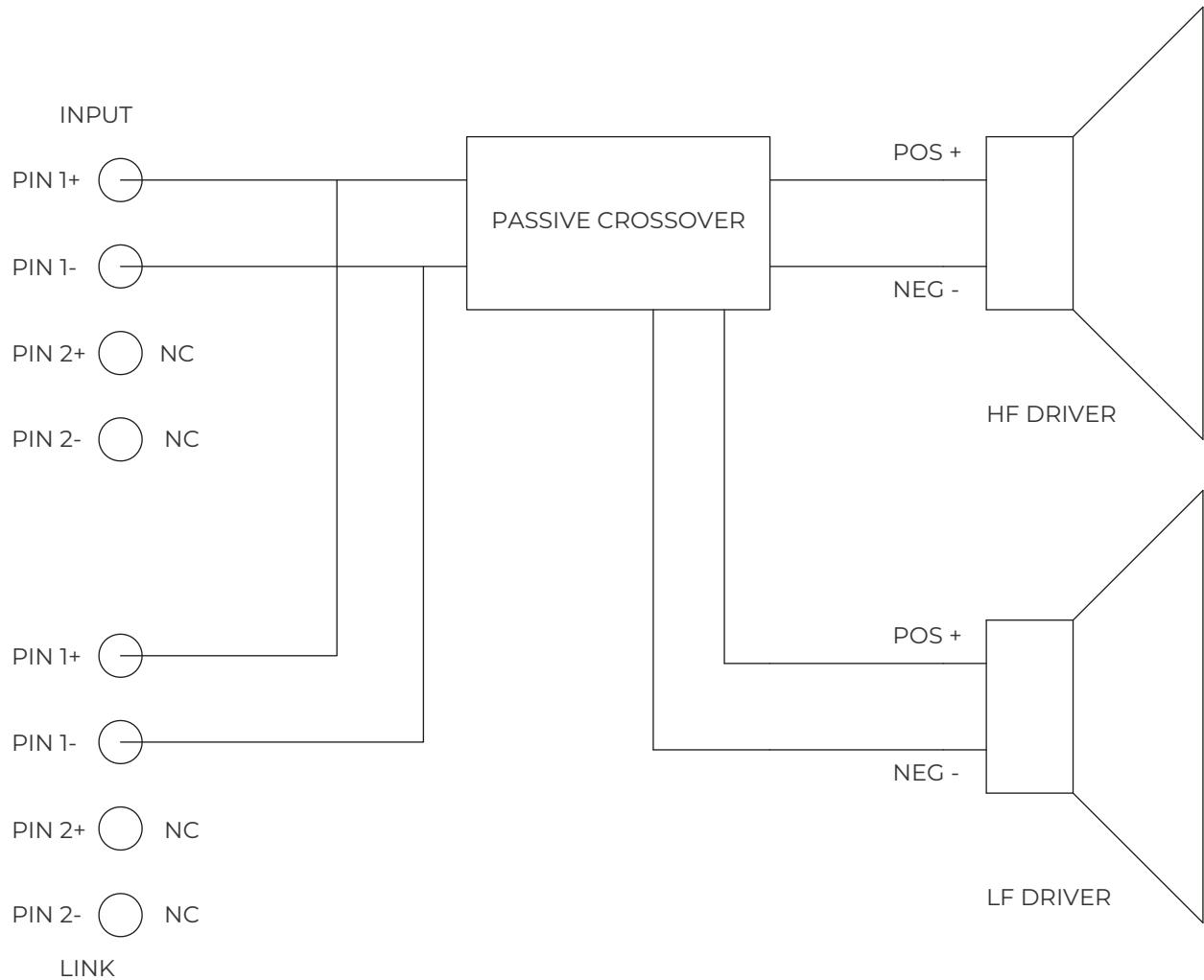
- Top Hat
- Top Hat cover plate
- Eye bolts
- Array frame for 2 x XN 15.0.2 boxes
- Array frame for 3 x XN 15.0.2 boxes
- Rain proof cover

NOTE: Refer the user manual for more accessories.

Applications

- Rental
- HOW
- Nightclubs & Discotheques
- Bars
- Restaurants
- Auditorium

INTERNAL WIRING SCHEMATIC

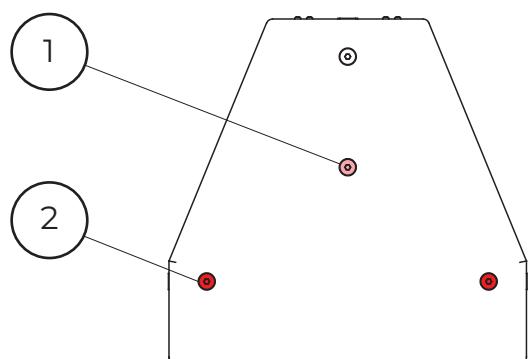


*NC - NOT CONNECTED

VISUAL IDENTIFICATION OF PARTS & ACCESSORIES

1 - Locking screw for C-Clamp

2 - Flying points

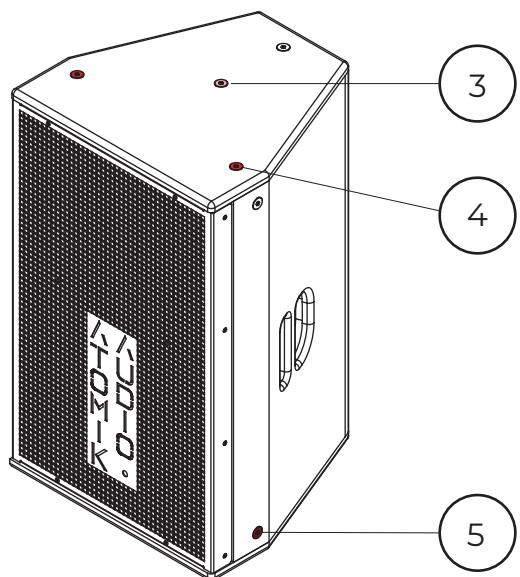


TOP VIEW

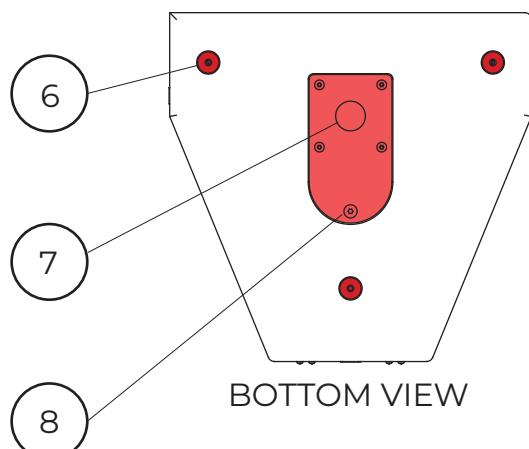
3 - Locking screw for C-Clamp

4 - Flying points

5 - Side flying points



ISO VIEW

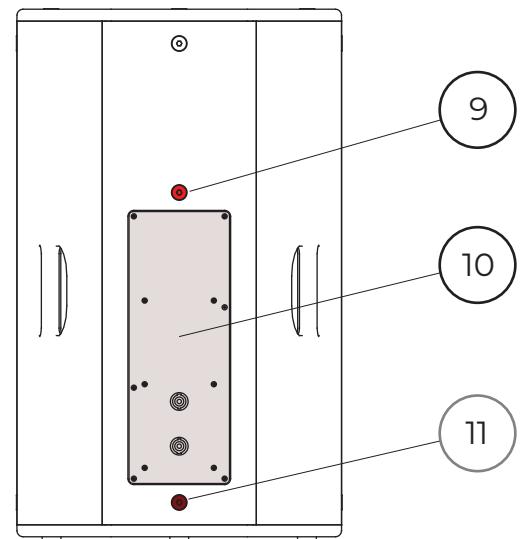


BOTTOM VIEW

6 - Rubber feet

7 - Top hat

8 - For C-Clamp



REAR VIEW

9 - Safety point

10 - Passive crossover

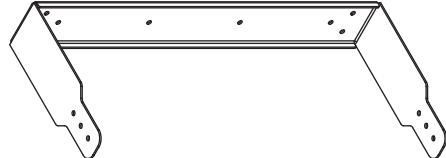
11 - Rear flying point

ACCESSORIES - XN 15.0.3

C Clamp

For ceiling mounted installations.

SKU: XN1503 - CLMP - C - BLK - 8679



Anchor Bolt

For suspension of the loudspeakers (ceiling side).

SKU: XN1503 - ABOLT - 5639



Eye Bolt

For suspension of loudpseakers (speaker side).

SKU: XN1503 - EBOLT - 8374

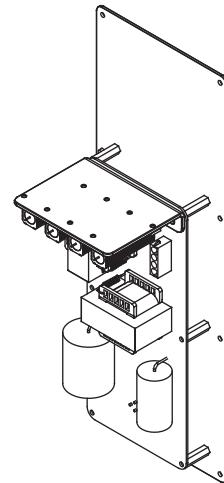


ACCESSORIES - XN 15.0.3

Passive Crossover Assembly

Field replaceable passive crossover assembly.

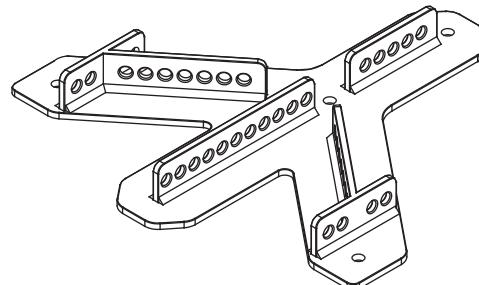
SKU: XN1503 - XVR - 08 - 7869



Top Flying Gear

For suspension of the loudspeaker in portrait mode.

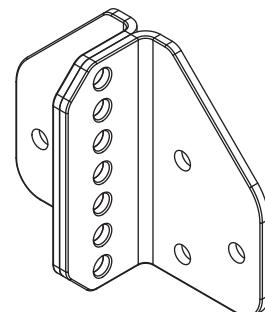
SKU: XN1503 - TFGR - BLK - 3214



Rear Flying Gear

For tilting the suspended loudspeaker.

SKU: XN1503 - RFGR - BLK - 9750

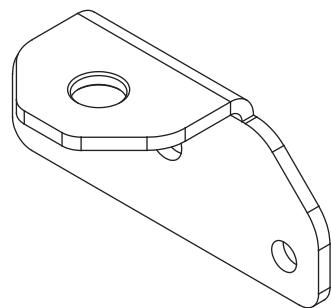


ACCESSORIES - XN 15.0.3

Rear Safety Flying Point

Extra saftey flying point on the rear of the loudspeaker.

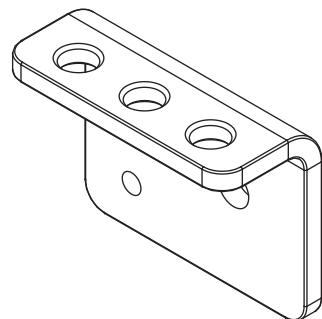
SKU: XN1503 - RFFP - BLK - 1243



Side Flying Gear

For suspension of the loudspeaker in landscape mode.

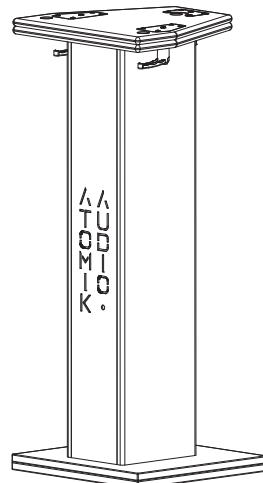
SKU: XN1503 - SFGR - BLK - 2341



Speaker Stand

To place the loudspeaker, haha!

SKU: XN1503 - STAND - BLK - 6791

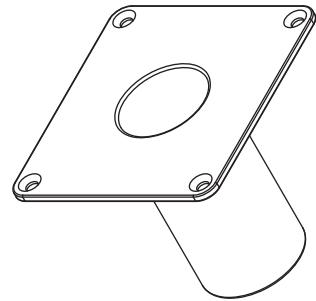


ACCESSORIES - XN 15.0.3

Top Hat

For pole mounting.

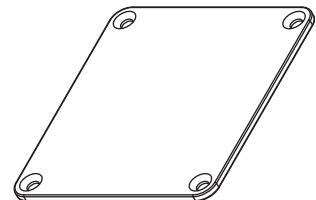
SKU: XN1802 - THAT - BLK - 6845



Top Hat Plate

To cover the top hat hole when not in use.

SKU: XN1802 - THATP - BLK - 6498



Mounting Pole

For pole mounting on sub-woofers.

SKU: XN806 - POL - BLK - 7984

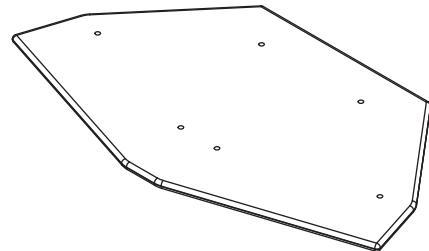


ACCESSORIES - XN 15.0.3

Array Plate - Top

For twin loudspeaker suspended deployment.

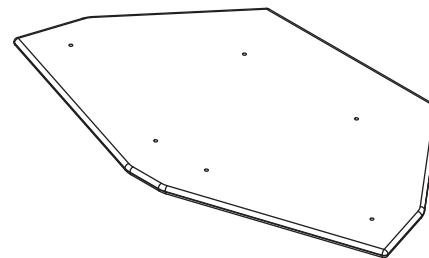
SKU: XN1503 - APLT2 - T - 7384



Array Plate - Bottom

For twin loudspeaker suspended deployment.

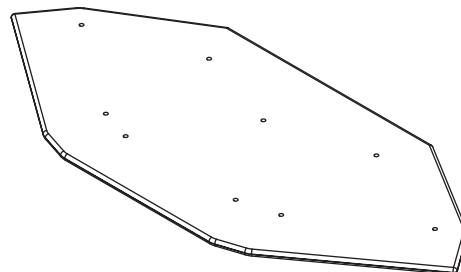
SKU: XN1503 - APLT2 - B - 9762



Triple Array Plate - Top

For triple loudspeaker suspended deployment.

SKU: XN1503 - APLT3 - T - 9614

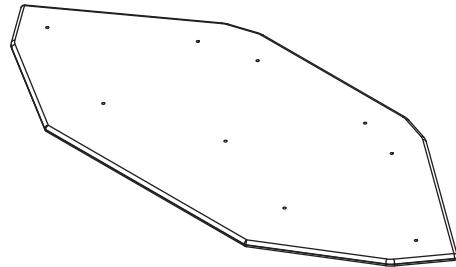


ACCESSORIES - XN 15.0.3

Triple Array Plate - Bottom

For triple loudspeaker suspended deployment.

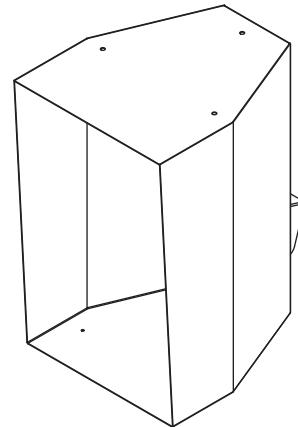
SKU: XN1503 - APLT3 - B - 2965



Weatherproof Sleeve

Weatherproof metal sleeve for protection against natural elements.

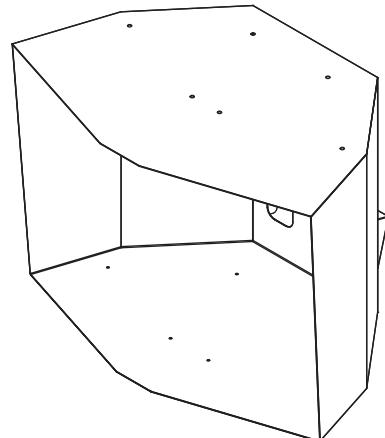
SKU: XN1503 - SLV - BLK - 4623



Dual Weatherproof Sleeve

Weatherproof metal sleeve for protection against natural elements.

SKU: XN1503 - DSLV - BLK - 9748

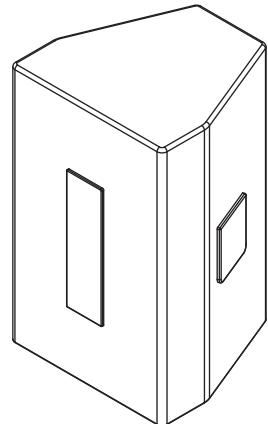


ACCESSORIES - XN 15.0.3

Soft Cover

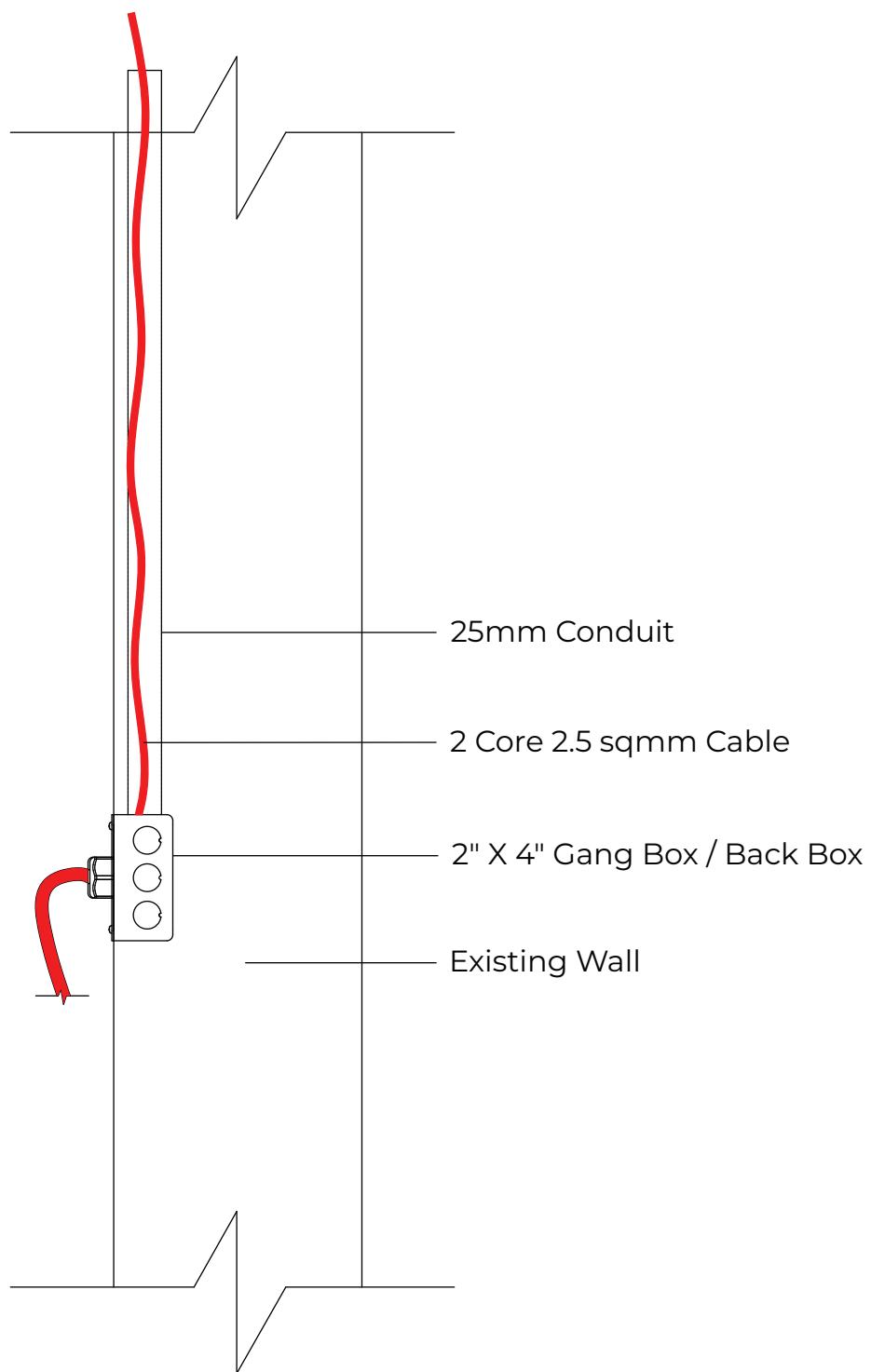
A soft cover to protect the speaker.

SKU: XN1503 - SFCR - BLK - 4321



INSTALLATION DETAILS

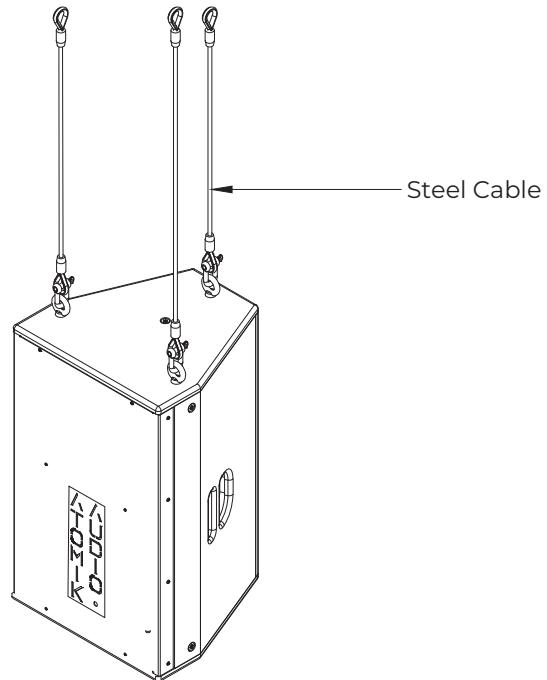
GANG BOX / BACK BOX INSTALLATION



INSTALLATION DETAILS - XN 15.0.3

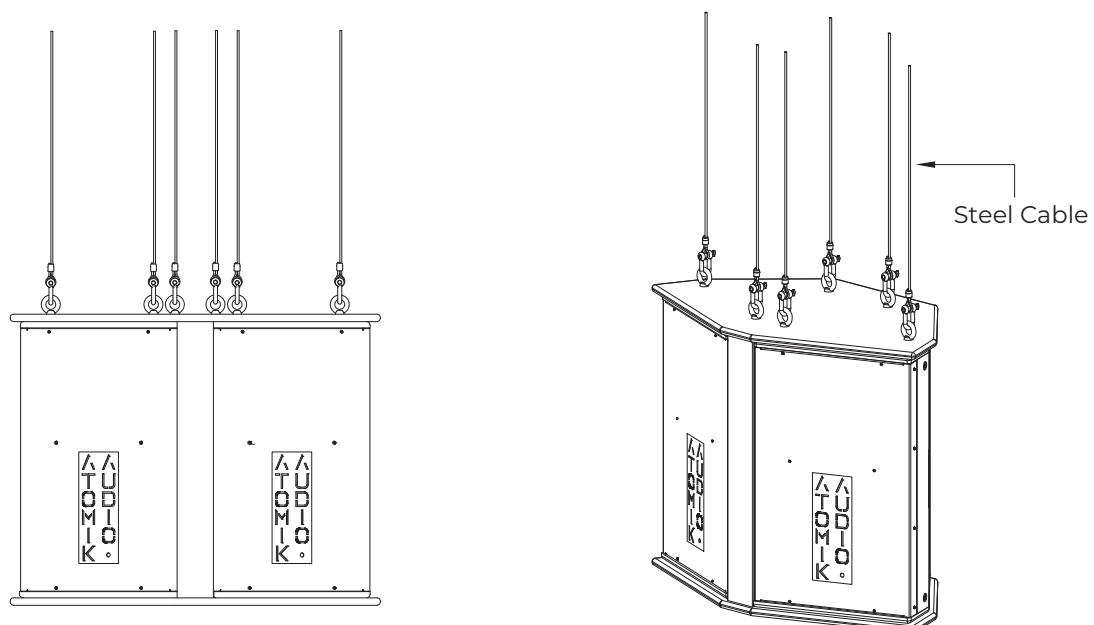
D1

Accessory Used - Eye Bolts
Installation Type - Ceiling Suspended
Installation Mode - Portrait



D2

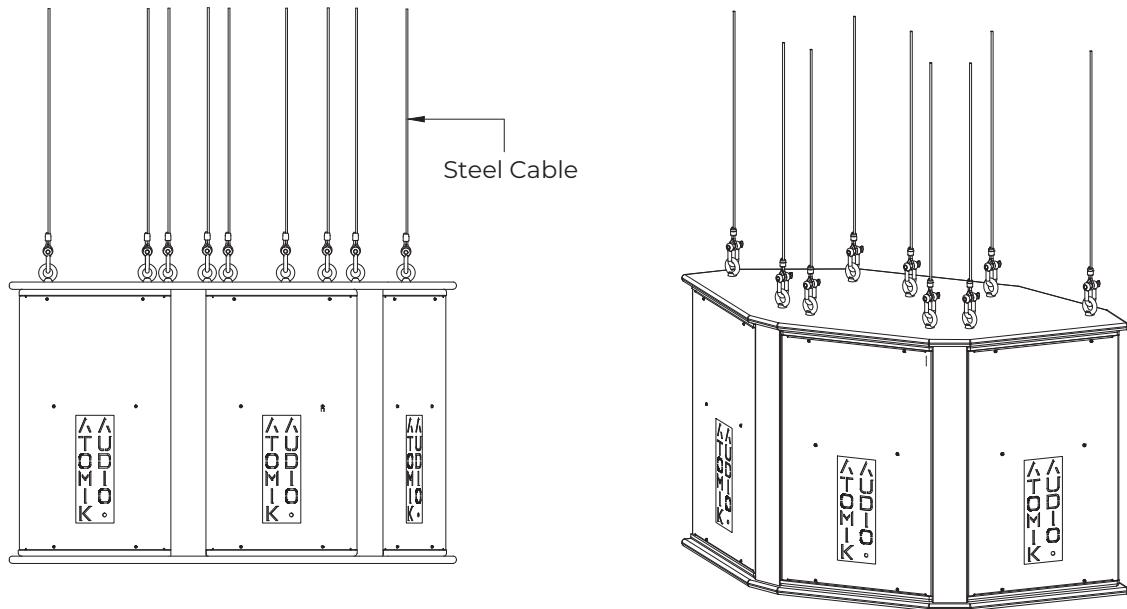
Accessory Used - Eye Bolts, Dual Array Plates Set
Installation Type - Ceiling Suspended
Installation Mode - Portrait



INSTALLATION DETAILS - XN 15.0.3

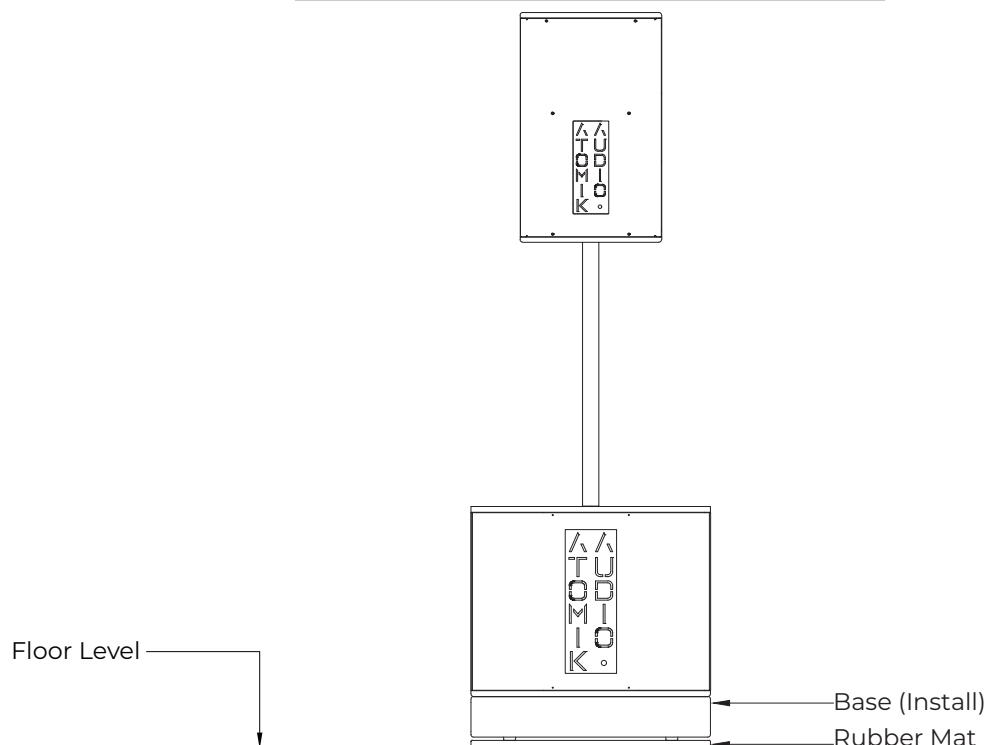
D3

Accessory Used - Eye Bolts, Triple Array Plates Set
Installation Type - Ceiling Suspended
Installation Mode - Portrait



D4

Accessory Used - Mounting Pole, Base
Installation Type - Pole Mounted
Installation Mode - XN 15.0.3 (x1) & XN 18.0.2 (x1)



INSTALLATION DETAILS - XN 15.0.3

D5

Accessory Used - Mounting Pole
Installation Type - Pole Mounted
Installation Mode - XN 15.0.3 (x1) & XN 218.0.2 (x1)

Floor Level

Base (Install)
Rubber Mat

D6

Accessory Used - None
Installation Type - Stacked
Installation Mode - XN 15.0.3 (x1) & XN 18.0.2 (x2)

Floor Level

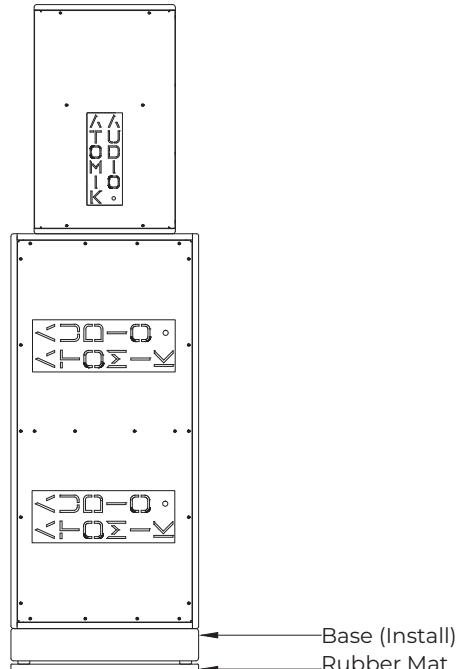
Base (Install)
Rubber Mat

INSTALLATION DETAILS - XN 15.0.3

D7

Accessory Used - None
Installation Type - Stacked
Installation Mode - XN 15.0.3 (x1) & XN 218.0.2 (x1)

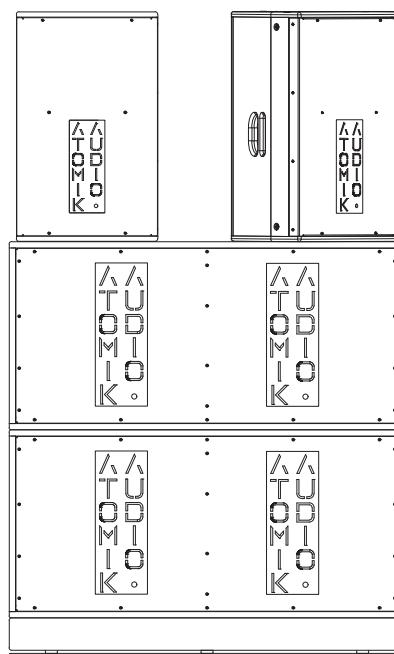
Floor Level



D8

Accessory Used - None
Installation Type - Stacked
Installation Mode - XN 15.0.3 (x2) & XN 218.0.2 (x2)

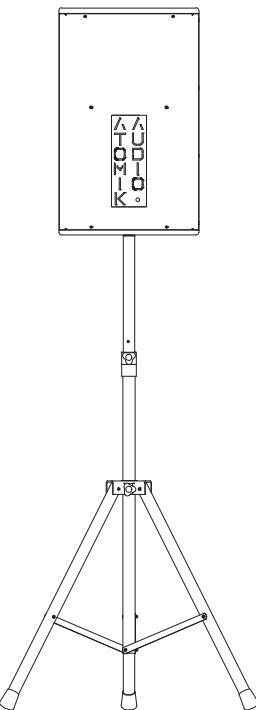
Floor Level



INSTALLATION DETAILS - XN 15.0.3

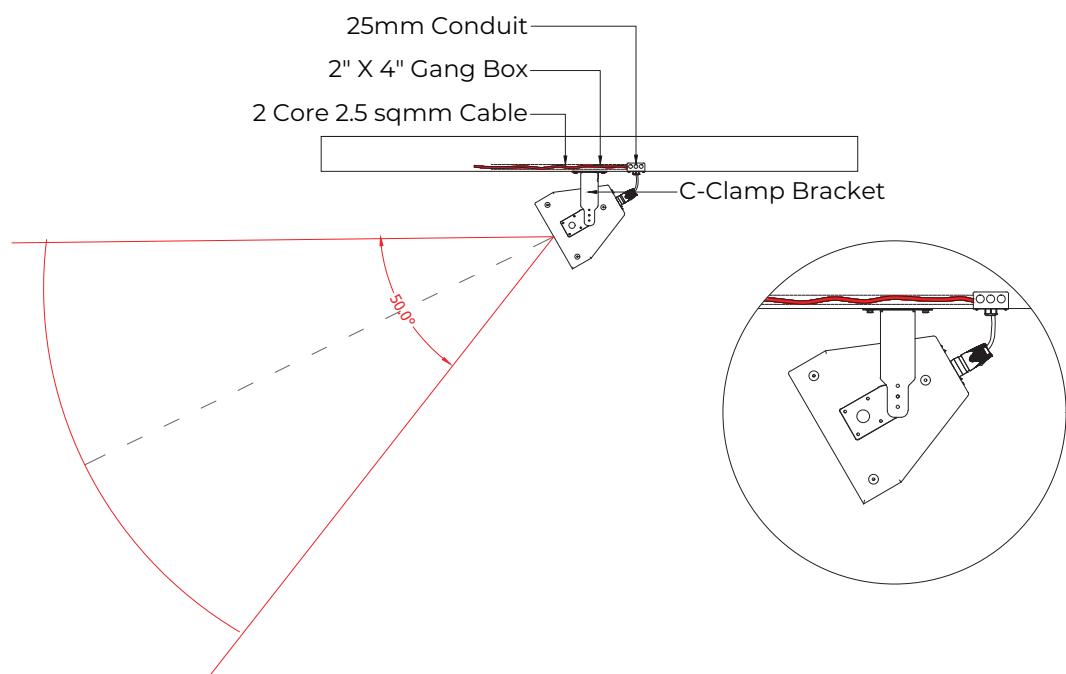
D9

Accessory Used - Loudspeaker Tripod Stand
Installation Type - Tripod Mounted
Installation Mode - Portrait



D10

Accessory Used - C-Clamp
Installation Type - Ceiling Mounted
Installation Mode - Landscape



WARRANTY

Thank you for choosing the XN Series by Atomik Audio. We take great pride in the quality and craftsmanship of our products. To ensure your satisfaction, we provide a comprehensive warranty that covers any manufacturing defects in materials or craftsmanship. Please review the details of our warranty policy to understand how we support you and your product over its lifespan.

1. Warranty Period

Atomik Audio offers a **1-year limited warranty** for all XN Series products, starting from the date of original purchase. This warranty applies to all manufacturing defects and guarantees that the product will function as intended during this period, provided that it is used according to the guidelines in this manual.

2. Warranty Validation

To validate your warranty, you must provide proof of purchase. The original receipt or invoice is required and must show the date of purchase and the authorized dealer where the product was purchased. Warranty claims without this documentation may not be accepted.

3. Transferability of Warranty

The XN Series warranty is transferable to a subsequent owner during the warranty period. However, the warranty period will not be extended beyond the original 1-year coverage from the date of purchase. If you sell or transfer ownership of the product, the new owner will inherit the remaining warranty period, provided they also provide the original proof of purchase.

4. Coverage Details

During the warranty period, Atomik Audio will, at its sole discretion, repair or replace any product or parts found to be defective in materials or workmanship. Warranty repairs or replacements will be carried out at no cost to the customer, except for the shipping costs associated with returning the product for service. Products must be shipped prepaid in their original packaging to an authorized Atomik Audio service center or distributor.

5. Exclusions and Limitations

This warranty covers only defects in materials and craftsmanship. It **does not cover** the following:

- **Unauthorized Modifications:** Any modification or repair performed by a third party not authorized by Atomik Audio will void this warranty.
- **Improper Use:** Damage or failure resulting from improper use, misuse, or use not in accordance with the guidelines in this manual.
- **Negligence or Accidents:** Any damage caused by neglect, accidents, mishandling, or misuse by the user, including physical damage, dropping, or impact.
- **Environmental Exposure:** Exposure to extreme conditions such as inclement weather, excessive heat, humidity, or moisture can damage the product and is not covered under this warranty.
- **Acts of God:** Natural events such as lightning, floods, earthquakes, or other acts of God.
- **Wear and Tear:** Normal wear and tear of parts, such as knobs, switches, and connectors, that may degrade with time or heavy usage.

6. Warranty Service Process

In the event of a defect or issue covered by this warranty, follow these steps to initiate service:

- **Contact Atomik Audio Support:** Before returning the product, please contact our support team or authorized dealer to troubleshoot and confirm the issue.
- **Shipping and Handling:** Products being returned must be packed securely in their original packaging. Shipping charges to the service center are the responsibility of the customer. Once repaired, Atomik Audio will cover the cost of return shipping.
- **Inspection and Repair:** Upon receipt, the product will be inspected by our technicians. If the defect is confirmed, the product will be repaired or replaced as necessary.

WARRANTY

- **Non-Warranty Repairs:** If the issue is determined to be outside of warranty coverage (due to user error or other exclusions), Atomik Audio will provide a cost estimate for repairs. Non-warranty repairs will only be carried out with customer approval.

7. Liability Limitations

Atomik Audio is not liable for any incidental or consequential damages, including but not limited to loss of profit, data, or usage, that may arise from the use or inability to use the XN Series products. The warranty covers the repair or replacement of the defective product only, and Atomik Audio's liability is limited to the value of the product at the time of purchase.

8. Statutory Rights

This warranty does not affect your statutory rights. Some jurisdictions do not allow limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

9. Additional Support

We are committed to providing our customers with exceptional service. If you have any questions or concerns regarding your XN Series product, please do not hesitate to contact us at [\[support@atomikaudio.com\]](mailto:support@atomikaudio.com) or visit our website for additional resources.

CONTACTS

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Kanakagiri Main Road, Hormavu Agra,
Bangalore - 560043, India.

Send us an e-mail:

support@atomikaudio.com

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