XN Series - XN 15.0.3
User Manual

Rev 1.0.6

Publication date: 18th February 2026

SKU Number: XN806-SPKR-0000-7531

Tech Support : support@atomikaudio.com

CONTENTS

WARNINGS AND IMPORTANT SAFETY INSTRUCTIONS ____ 4

XN SERIES OVERVIEW ____ 5

DATASHEET ____ 6

INTERNAL WIRING SCHEMATIC ____ 7

VISUAL IDENTIFICATION OF PARTS AND ACCESSORIES ____ 8

ACCESSORIES ____ 9

- C-Clamp, Anchor Bolt, Eye Bolt ____ 9
- Passive Crossover Assembly, Top Flying Gear, Rear Flying Gear ____ 10
- Rear Safety Flying Point, Side Flying Gear, Speaker Stand ____ 11
- Top Hat, Top Hat Plate, Mounting Pole ____ 12
- Array Plate - Top, Array Plate - Bottom, Triple Array Plate - Top ____ 13
- Triple Array Plate - Bottom, Weathered Coat Sleeve, Dual Weathered Coat Sleeve ____ 14
- Soft Cover ____ 15

INSTALLATION DETAILS ____ 16

- Gang Box / Back Box Installation ____ 16
- D1, D2 ____ 17
- D3, D4 ____ 18
- D5, D6 ____ 19
- D7, D8 ____ 20
- D9, D10 ____ 21

WARRANTY ____ 22

CONTACTS ____ 24

WARNINGS! IMPORTANT SAFETY INSTRUCTIONS

We sincerely appreciate your trust in choosing the Atomik Epoch Series 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 Epoch series of loudspeakers with their dedicated DSP presets to achieve their optimum best.

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

Atomik 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.

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.

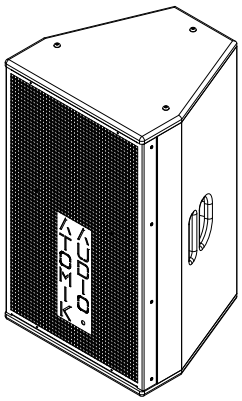
The XN Series delivers clear and detailed sound even at very high volumes, which is rare in the pro audio world. They keep the sound quality intact, ensuring every detail is heard. This makes them essential for any place where sound quality is important.

XN 15.0.3

SKU Number: XN1503-SPKR-0000-9315

Description

The Atomik 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.

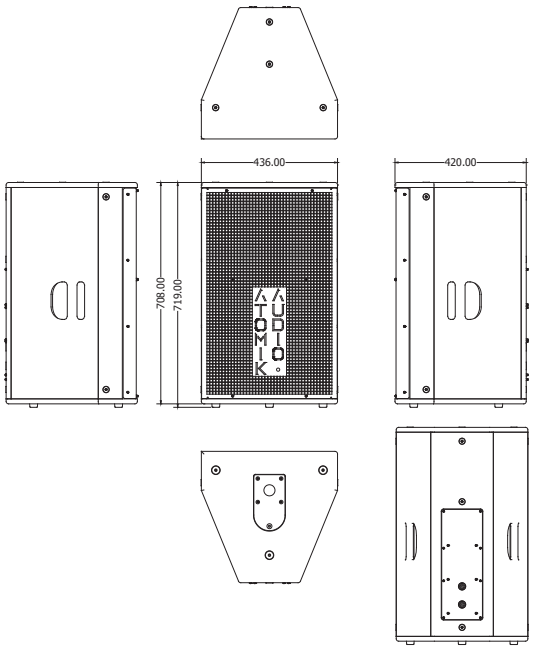


Features

- 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 - 96.8dB @ 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 - 18kg / 39.6lbs



Dimensions in mm

Accessories

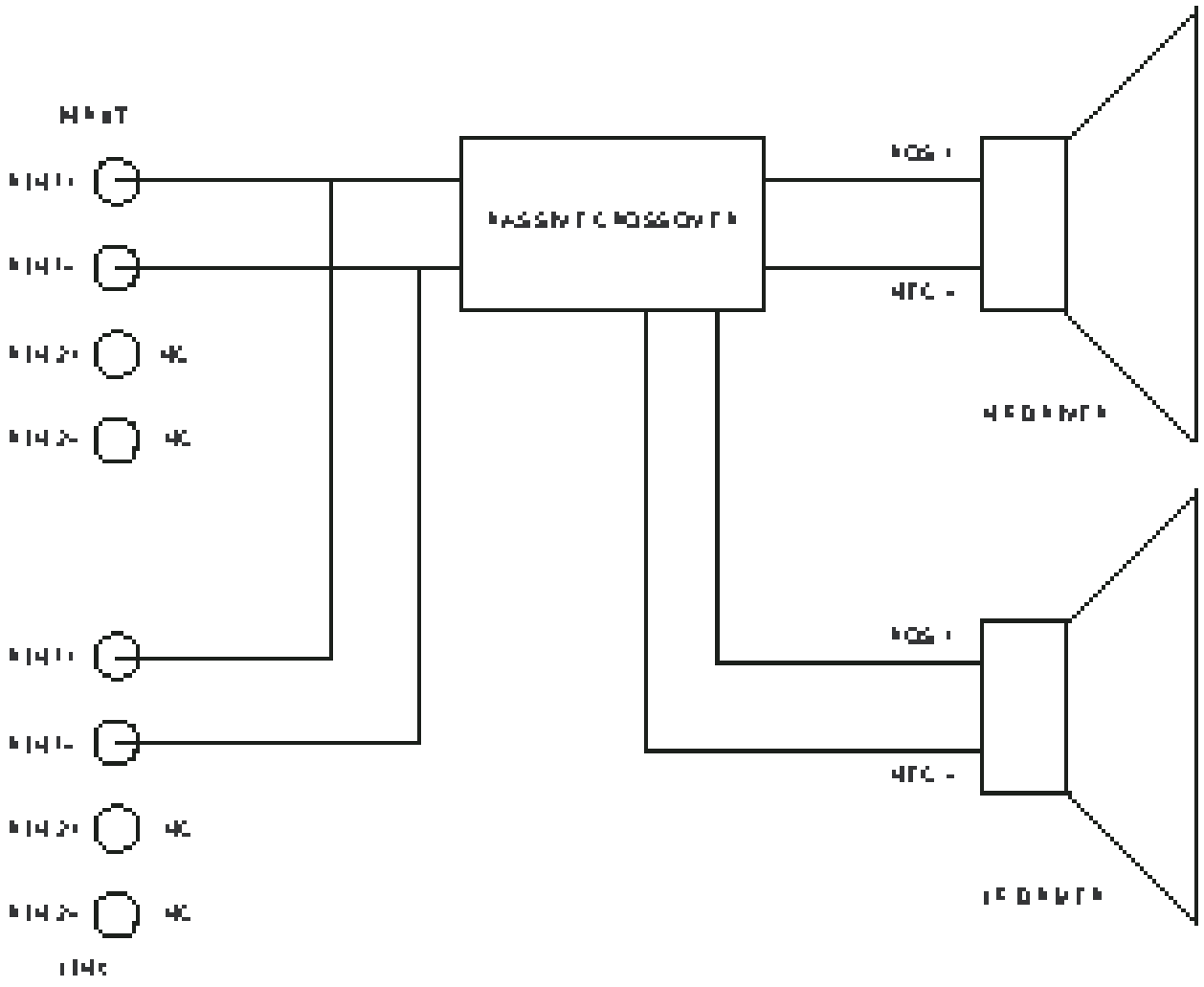
- Top Hat
- Top Hat cover plate
- Eye bolts
- Array frame for 2 x XN 15.0.2 boxes
- Array frame for 3 x XN 15.0.2 boxes
- Rain proof cover

Applications

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

NOTE: Refer the user manual for more accessories.

INTERNAL WIRING SCHEMATIC



*NC - NOT CONNECTED

VISUAL IDENTIFICATION OF PARTS & ACCESSORIES

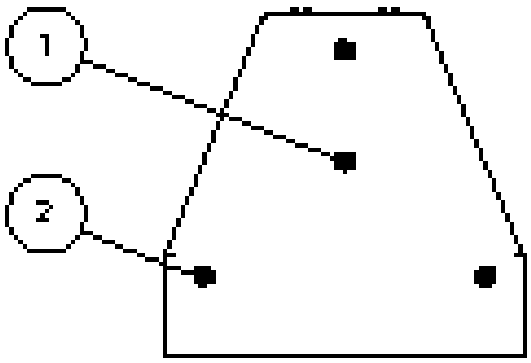
1 - Locking screw for C-Clamp

2 - Flying point

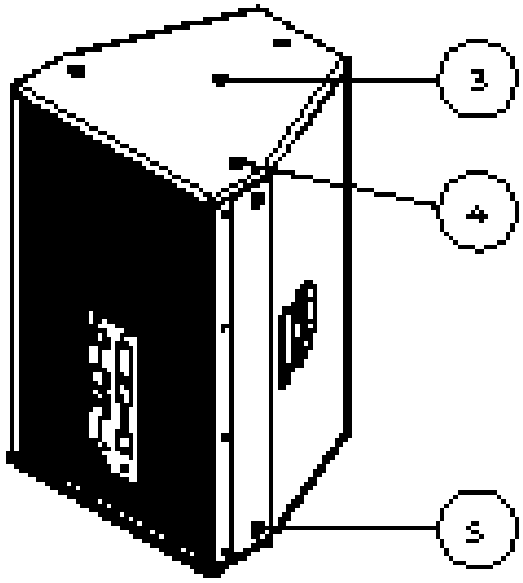
3 - Locking screw for C-Clamp

4 - Flying point

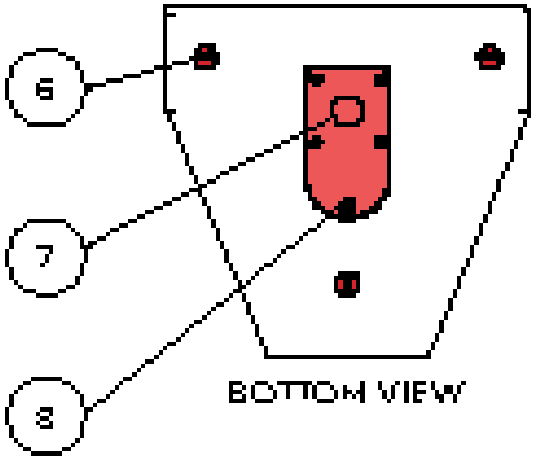
5 - Side Flying point



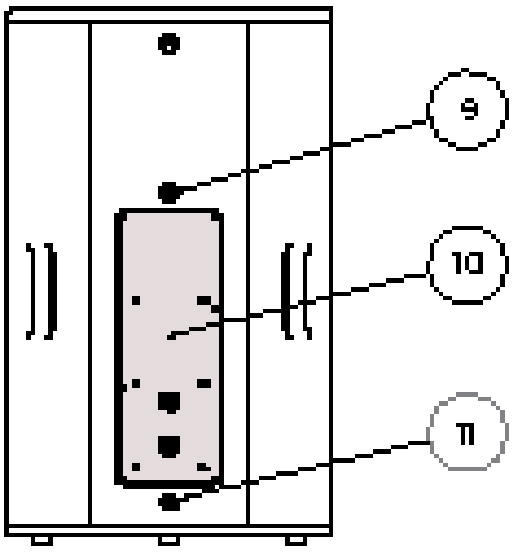
TOP VIEW



ISO VIEW



BOTTOM VIEW



REAR VIEW

6 - Rubber feet

7 - Inserts

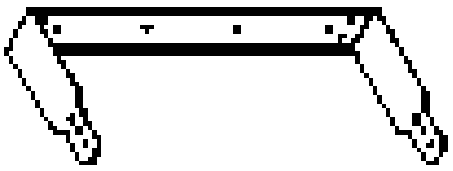
8 - For C-Clamp

9 - Safety cord

10 - Passive crossover

11 - Rear flying point

C Clamp



For ceiling mounted installations

SKU: XN803-CLMP-C-BLK-8579

Anchor Bolt

For suspension of the loudspeakers (ceiling side)

SKU: XN803-ABOLT-8639

Eye Bolt

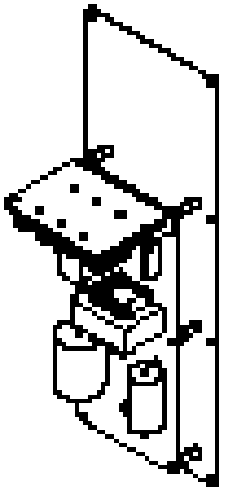
For suspension of loudspeakers (speaker side)

SKU: XN803-EBOLT-8634

Passive Crossover Assembly

Field replaceable passive crossover assembly

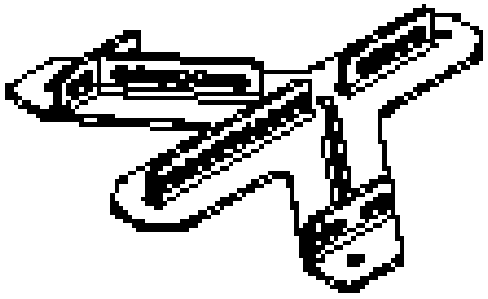
SKU: XN803-XVR-08-7859



Top Flying Gear

For suspension of the loudspeaker in normal mode

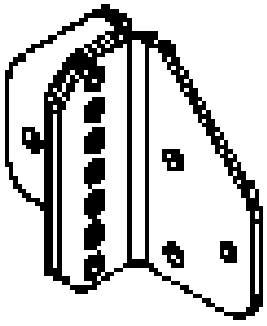
SKU: XN803-TFG-R-BLK-3214



Rear Flying Gear

For tilting the suspended loudspeaker.

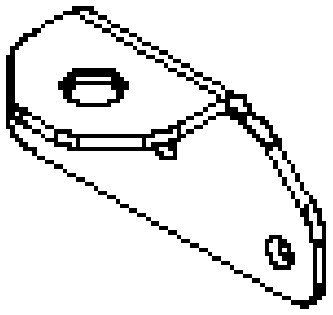
SKU: XN1503-RFG-R-BLK-9750



Rear Safety Flying Point

Extra safety flying point on the rear of the loudspeaker

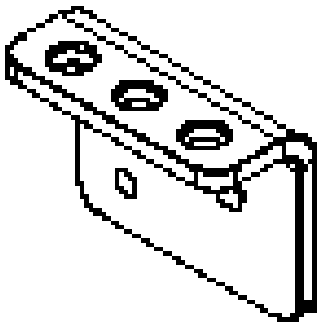
SKU: XN803-RFPD-BLK-1243



Side Flying Gear

For suspension of the loudspeaker in bi-rascal or mode

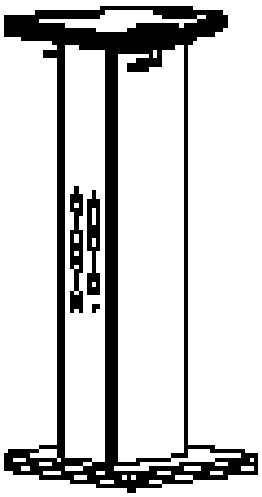
SKU: XN803-SFGD-BLK-2841



Speaker Stand

To place the loudspeaker, naval

SKU: XN803-STAND-BLK-6791



Top Hat

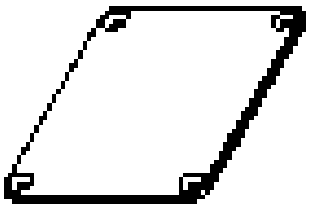
For pole mounting.

SKU: XN18CP - THAT - BLK - 6846

Top Hat Plate

To cover the top hat hole when not in use.

SKU: XN18CP - THATP - BLK - 6498



Mounting Pole

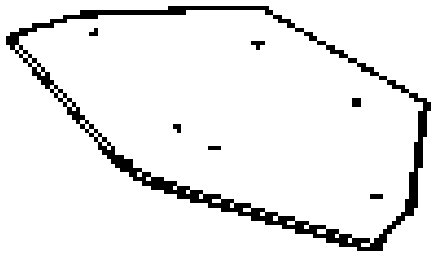
For pole mounting on sub-woofers.

SKU: XN30S - POL - BLK - 7984

Array Plate - Top

For twin loudspeakers suspended deployment.

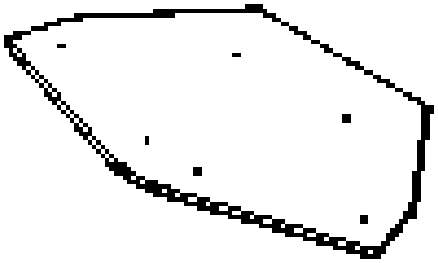
SKU: XN1503 - APLT2 - T - 7384



Array Plate - Bottom

For twin loudspeakers suspended deployment.

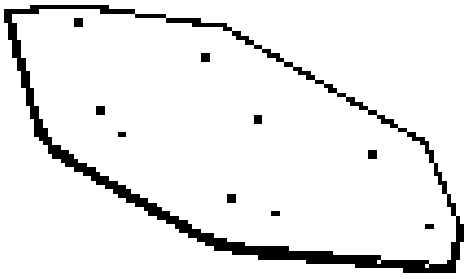
SKU: XN1503 - APLT2 - B - 9762



Triple Array Plate - Top

For triple loudspeakers suspended deployment.

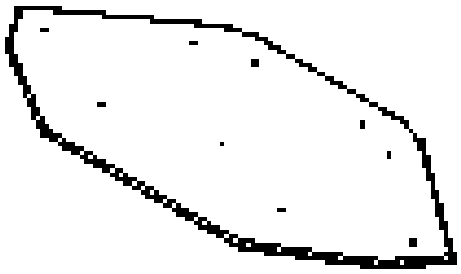
SKU: XN1503 - APLT3 - T - 9614



Triple Array Plate - Bottom

For triple loudspeaker suspended deployment.

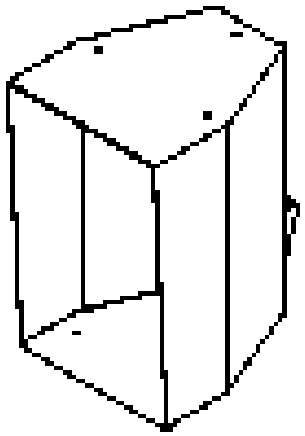
SKU: XNB03-ADLT3-B-2965



Weatherproof Sleeve

Weatherproof metal sleeve for protection against natural elements.

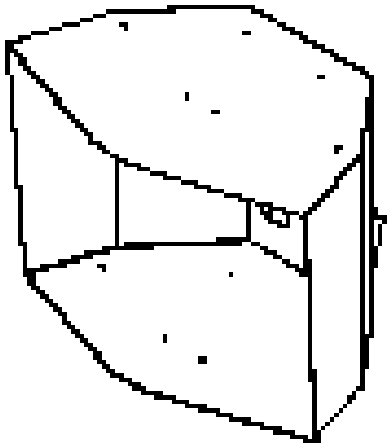
SKU: XNB03-SLV-BLK-4523



Dual Weatherproof Sleeve

Weatherproof metal sleeve for protection against natural elements.

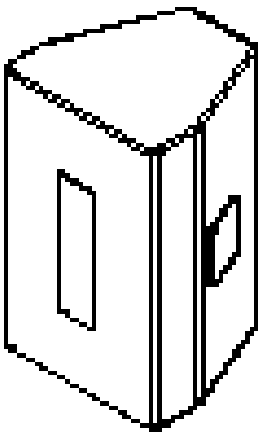
SKU: XNB03-DSLV-BLK-9748



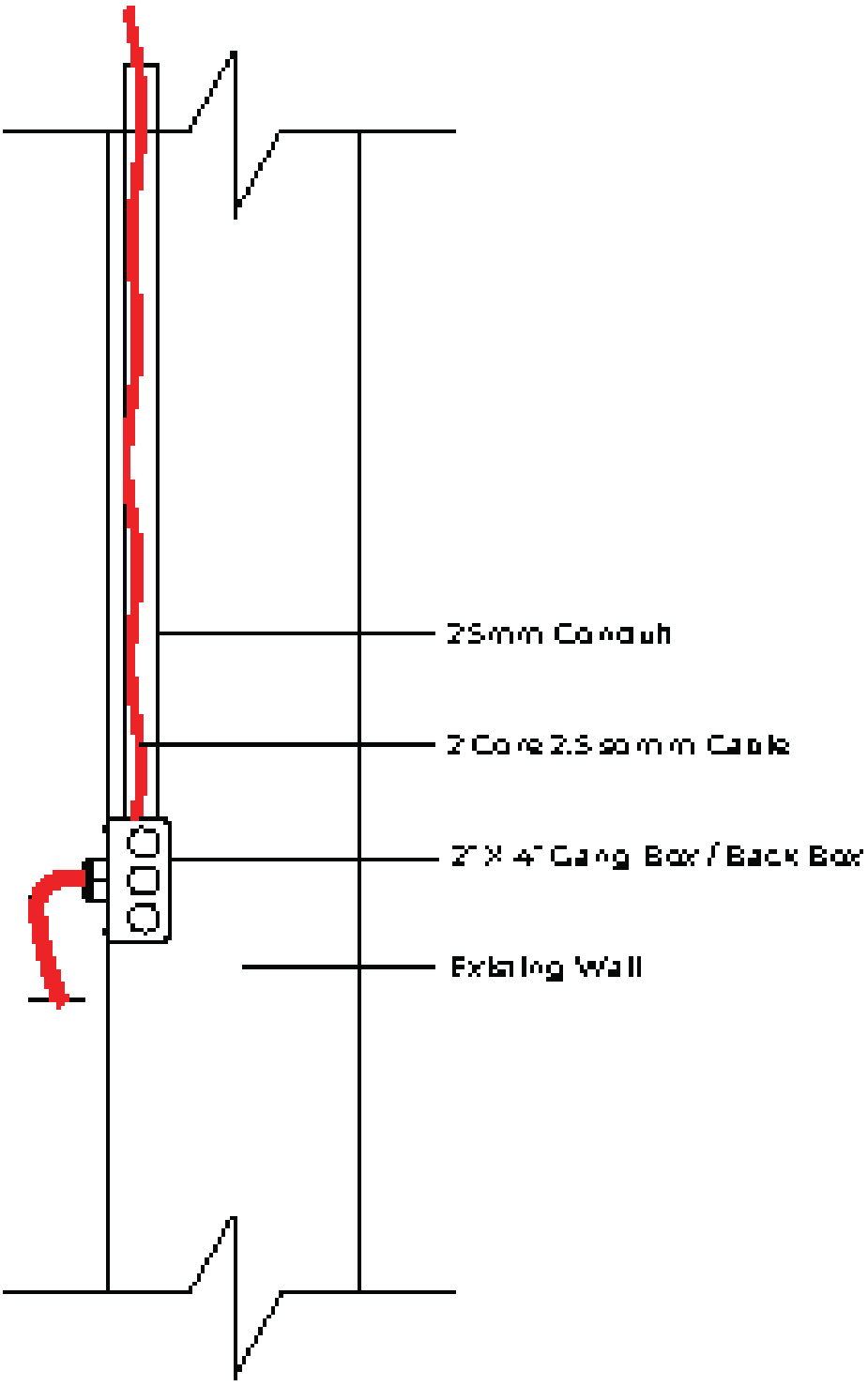
Soft Cover

A soft cover to protect the speaker.

SKU: XN15CB - SFCR - BLK - 4821

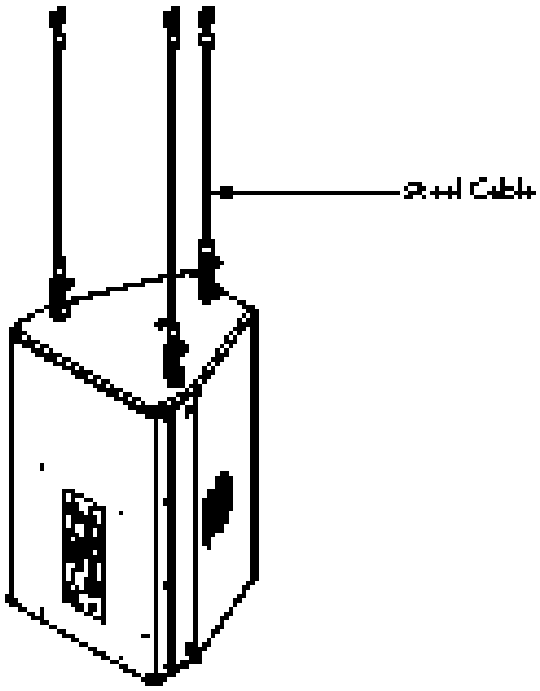


GANG BOX / BACK BOX INSTALLATION

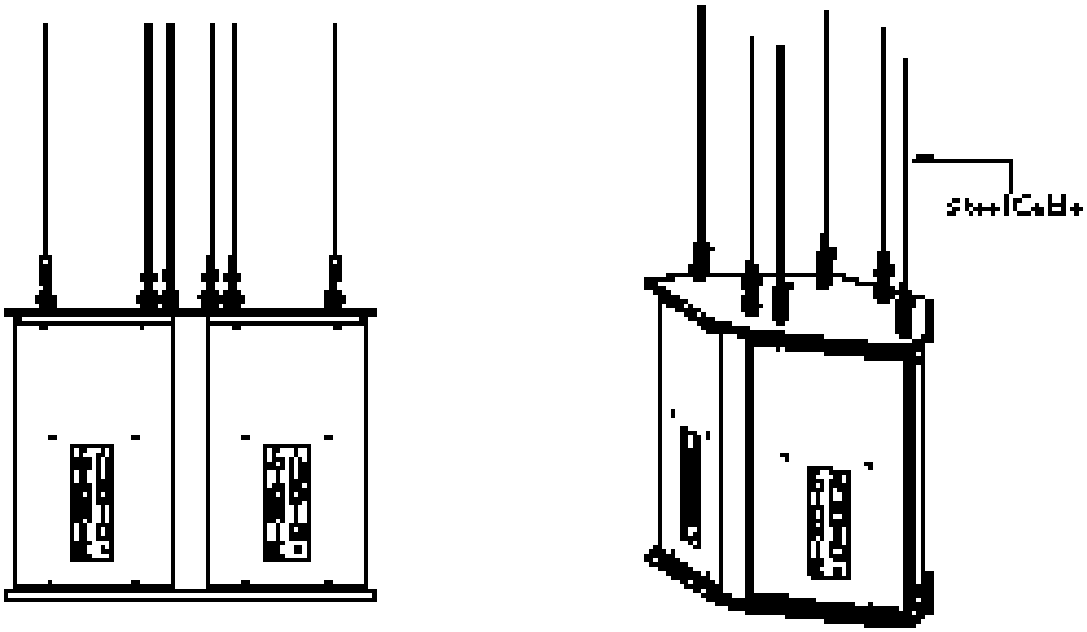


INSTALLATION DETAILS - XN 15.0.3

D1
Accessory used – Eye Bolts
Installation Type – Ceiling Suspended
Installation Mode – Permanent

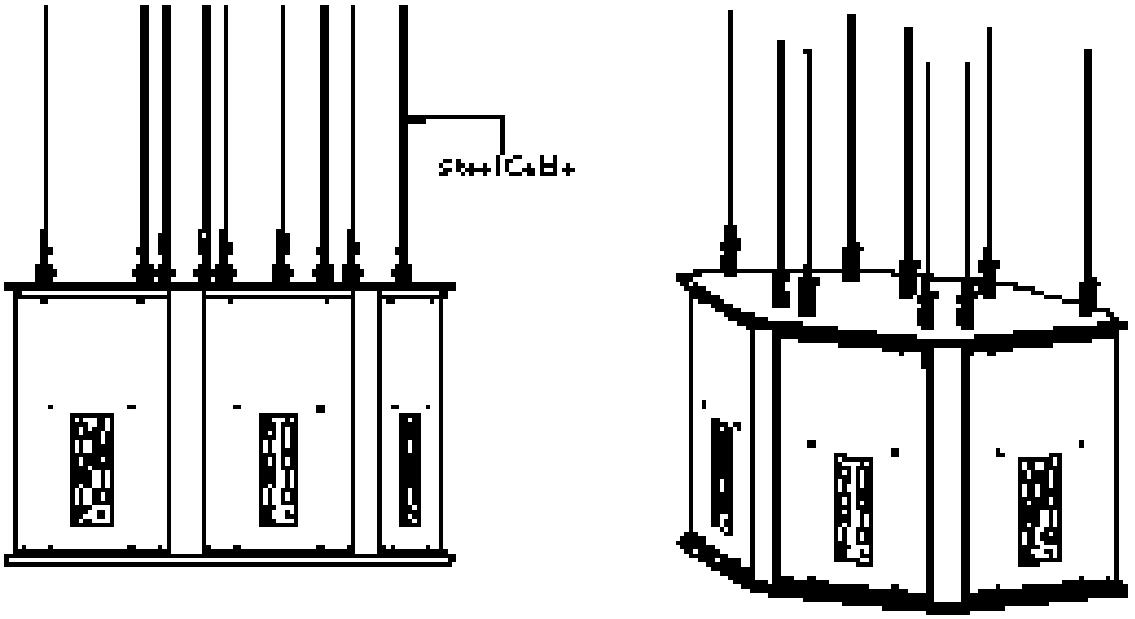


D2
Accessory used – Eye Bolts, Dual Array Flared Set
Installation Type – Ceiling Suspended
Installation Mode – Permanent

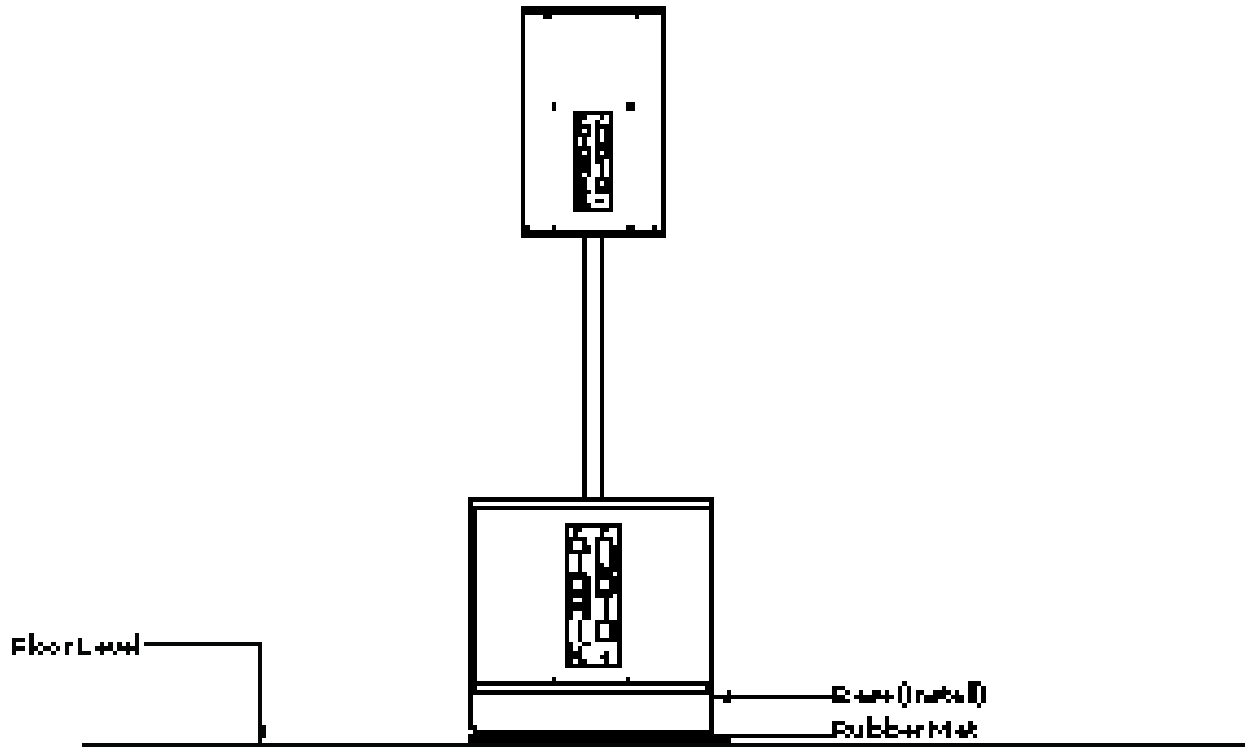


INSTALLATION DETAILS - XN 15.0.3

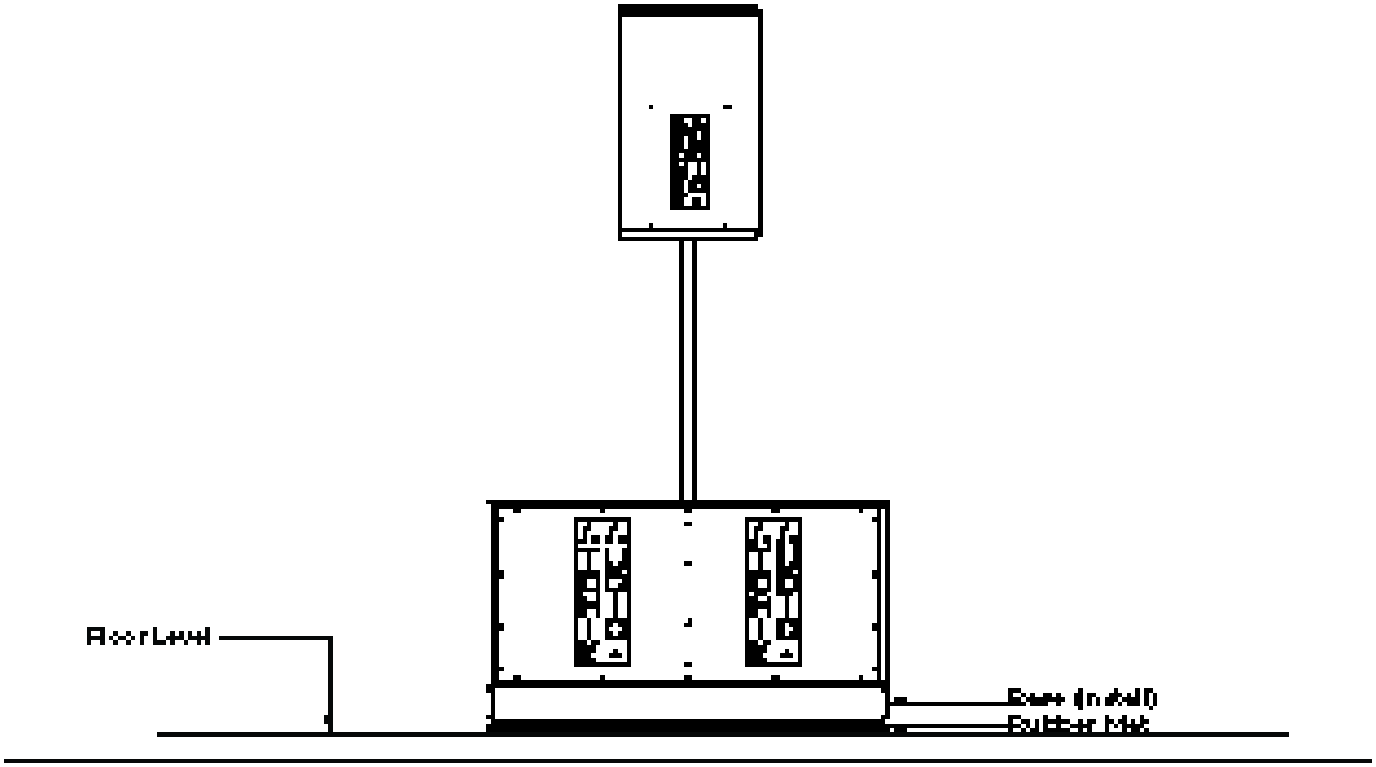
D3
Accessory Used – Eye Bolts, Triple Array Nuts and Set
Installation Type – Ceiling Suspended
Installation Mode – Normal



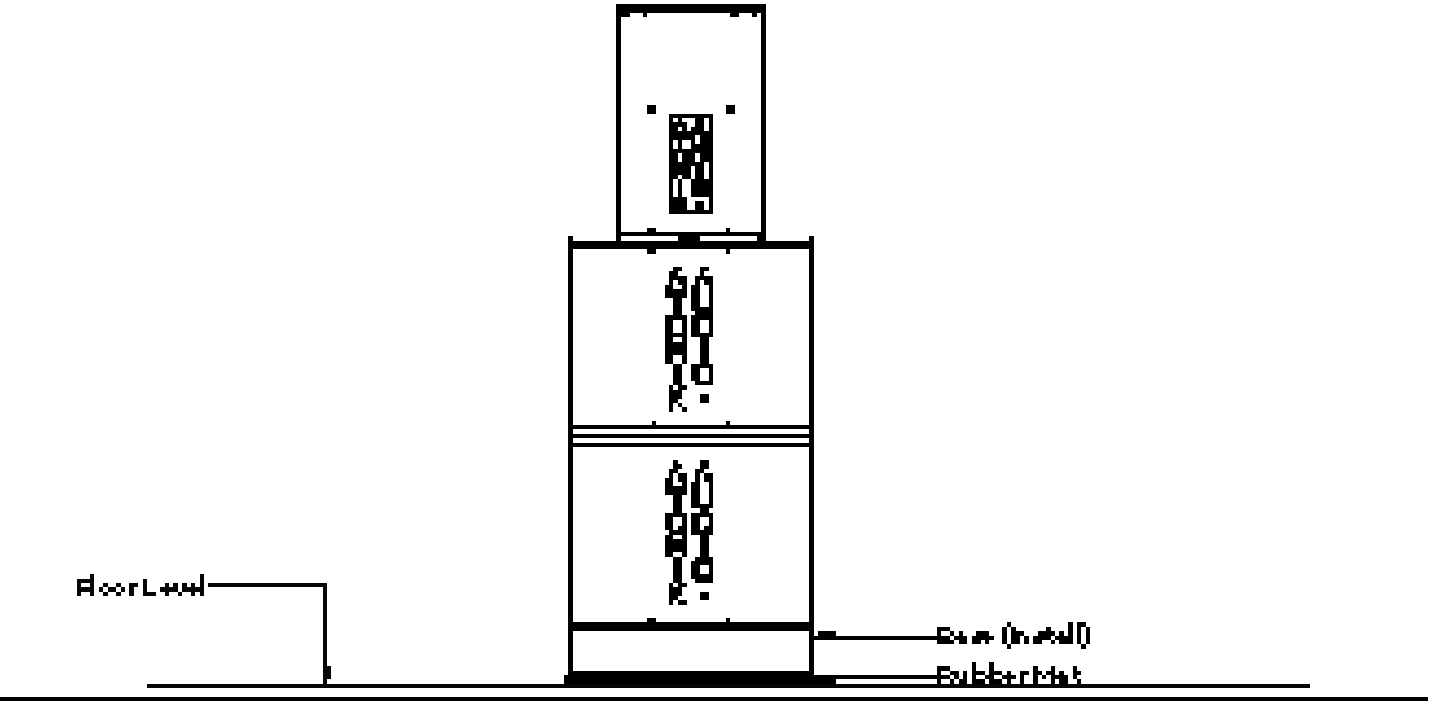
D4
Accessory Used – Mounting Hole, Base
Installation Type – Hole Mounted
Installation Mode – XN 15.0.3 (M) & XN 18.0.2 (M)



D5


Floor Level
Base (Install)
Rubber Mat

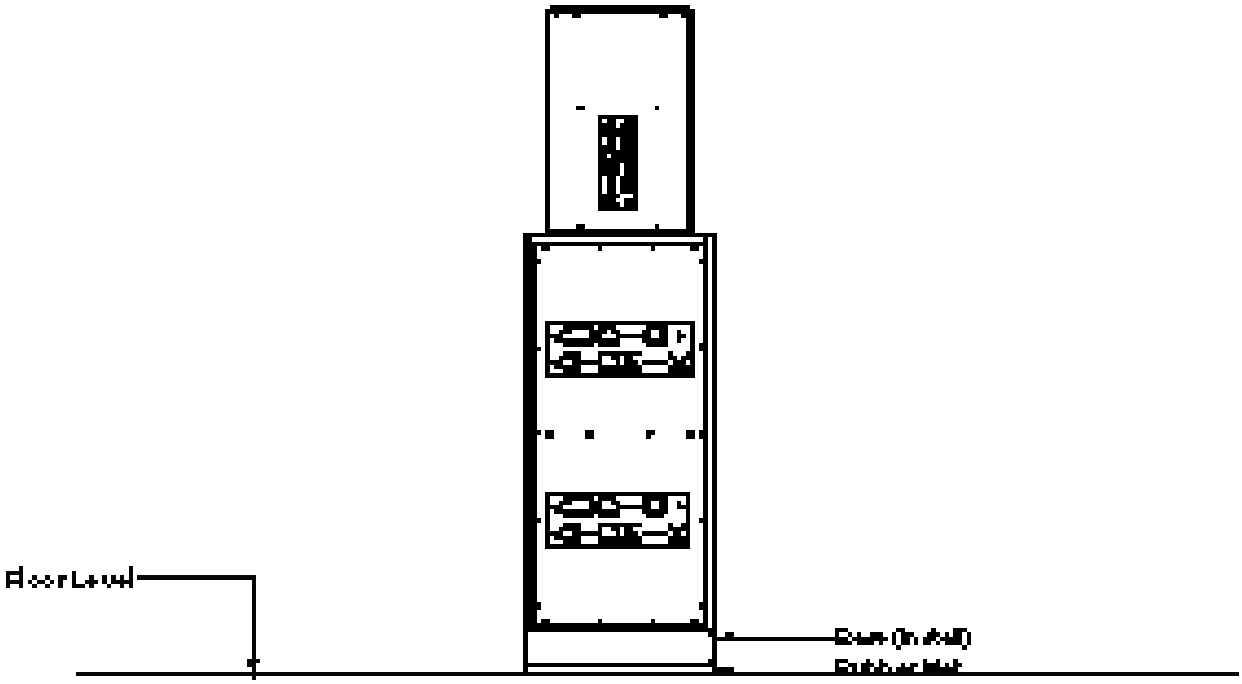
D6


Floor Level
Base (Install)
Rubber Mat

INSTALLATION DETAILS - XN 15.0.3

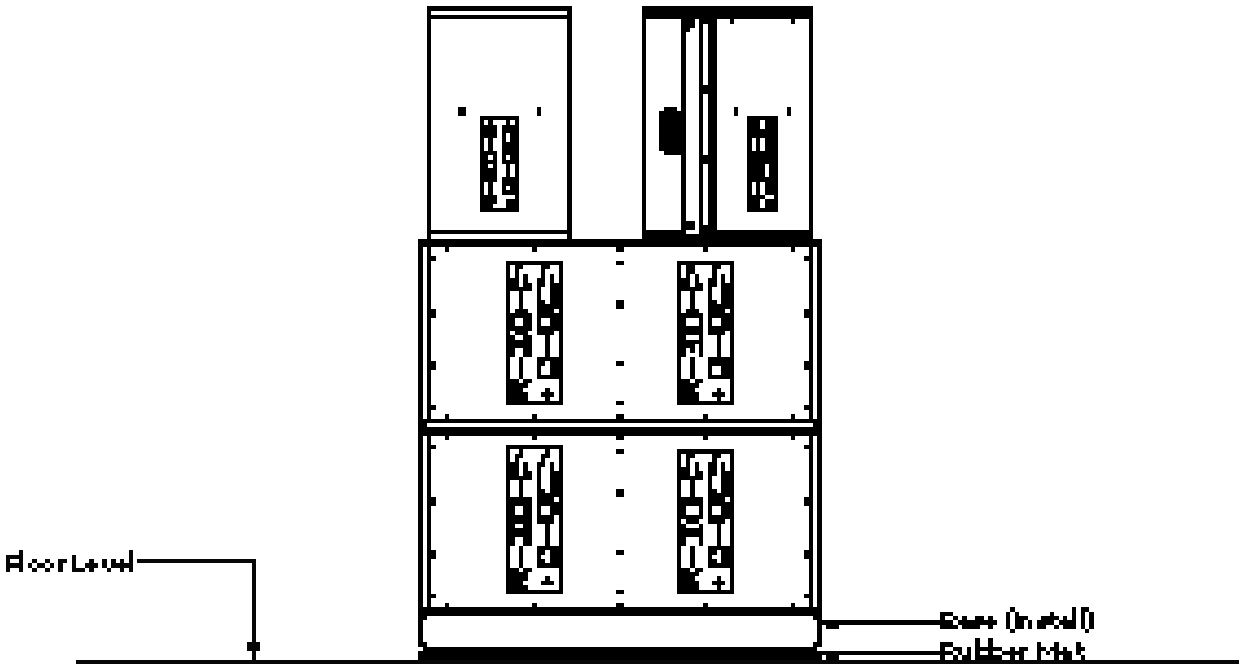
D7

Accessory Used – None
Installation Type – Stacked
Installation Mode – XN 15.0.3 (x1) & XN 15.0.2 (x1)

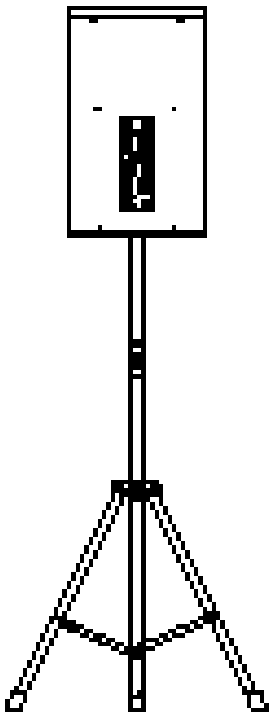


D8

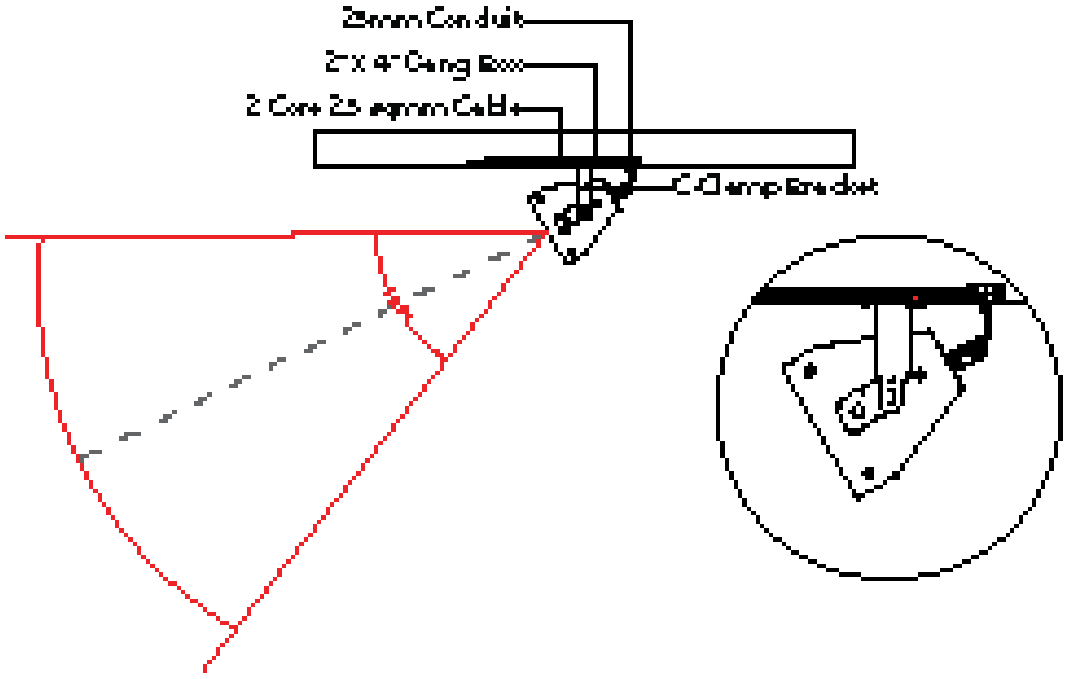
Accessory Used – None
Installation Type – Stacked
Installation Mode – XN 15.0.3 (x2) & XN 15.0.2 (x2)



D9
Accessory used – Loudspeaker Tripod Stand
Installation Type – Tripod mounted
Installation Mode – Portable



D10
Accessory used – C-Clamp
Installation Type – Ceiling mounted
Installation Mode – Permanent



WARRANTY

Thank you for choosing the X4 Series by Atomik Audio. We are dedicated to 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 so that you understand how we support you and your product over the lifespan.

1. Warranty Period

Atomik Audio offers a 1-year limited warranty for all X4 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 X4 Series warranty is transferable to subsequent owners 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 part found to be defective in materials or workmanship. Warranty repairs or replacements will be 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, carelessness, 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 that damages the product 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.

- 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 X4 Series processor. The warranty covers the repair or replacement of the defective processor only, and Atomik Audio's liability is limited to the value of the processor 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 X4 Series processor, please do not hesitate to contact us at support@atomikaudio.com or visit our website for additional resources.

CONTACTS

Write us:

2nd Floor, No – 177, New Airport Rd, beside MANTRI SPLENDOR, Apartment, Hiremath Layout, Hennur Gardens, Geddalahalli, Bengaluru, Karnataka 560077

Send us an e-mail:

support@atomikaudio.com

Visit our website:

https://www.atomikaudio.com

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