

X8 Sub Extend Woofer Product Information



Product Information Version-1.0



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SAFETY INSTRUCTIONS



1. Read this document

2. Pay attention to all safety instructions and hazards and obligatory warnings

3. Do not use equipment or accessories that are not approved by QANON AUDIO.

4. Attention to Sound Level

Do not approach the speaker when operating, and consider wearing earplugs.

Speaker system can produce very high sound pressure level (SPL), which can be instantaneous.

It results in permanent hearing impairment to performers, producers and audiences.

Listening can take place for a long time:

8 hours 90 decibels (A-weighted), 30 minutes 110 decibels (A-weighted), less than 4 minutes 130 decibels (A-weighted).

5. Read the manual before operating the product.

Use speaker system components described in user manual and follow instructions

6. Read the rigging manual before installing the product.

Use the hanging accessories described in the installation manual and follow the relevant procedures.

7. Before repairing the product, please read the "Maintenance" section of this document.

8. Do not expose products to extreme conditions

Do not expose the product to rain or waves.

Do not expose the product to humidity (fog, steam, humidity, cooling, etc.) or overheating (direct sunlight, radiator...) For a long time

9. Do not store products on unstable carts, brackets, tripods, brackets or tables.

10. Maintain this document as an integral part of the product

Put this document in a safe place.

Record any services of the product in the maintenance section of this document

Do not resell products without this update document

Thank you for purchasing QANON AUDIO #X8 sub. The container shall contain - 1 #X8 sub enclosure. Each QANON AUDIO #product has been tested and inspected before it leaves the factory and should arrive intact. Carefully open the container and check for any apparent damage. If so, inform the transport company or distributor immediately. Only the consignee can claim against the carrier for damage in transit. Cartons and packing materials must be kept for inspection by carriers. Read this document carefully to familiarize yourself with the product and identify external documents that contain basic information on correct and safe installation and operation of the product. All the documents described below can be accessed free of charge on the QANON AUDIO < website (www.qanon-audio.com).

As part of the continuous development of technology and standards, QANON AUDIO reserves the following rights:

Change product specifications and document contents without prior notice. Please visit the QANON AUDIO website regularly to download the latest updates of documents and software.

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Features

- Maximum SPL 134dB
- 1 x 15" neodymium low frequency drive unit
- 0° horizontal
- Adjust angle with (X8)0°, -2°, -4°, -6°
- Rigging or ground stacking integrated assembly system
- Lifting X8 speaker system integration
- Low frequency limit extends to 36Hz (-10dB)
- C15/H Series /VDA12 power amplifier controller



X8 Sub High Power Extended Low Frequency Loudspeaker

X8 Sub is a recommended subwoofer for X8 line arrays and other QANON AUDIO < products. It adds to the sub-low frequency of the system by enhancing the throwing ability of the low frequency. It allows the operating frequency range of the system to be extended to 36Hz.

The X8 Sub extend woofer is internally loaded with a 15-inch speaker. It has powerful impact, sensitivity and low frequency performance, and its internal four corners have a triangular vent progressive shape that allows laminar airflow and reduced turbulence noise. These combined features help to improve the level of operation.

The X8 Sub enclosure is made of Baltic birch plywood to ensure maximum acoustic and mechanical integrity.

The X8 Sub extend woofer can be used as an independent array or fly at the top of a vertical array composed of X8 line arrays. X8 Sub is driven and amplified by C15 or H series /VDA12 power controller. Protect and optimize different configurations of loudspeaker systems, including cardioid

Dimensions: 430mm, height: 560 mm, depth: 600 mm ,
weight: 35kg (79.3lbs)

The cabinet shall be fitted with internal hardware and connected via two parallel NL-4 SpeakOn

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X8 Sub Technical Specification

Type	Extend woofer
Frequency Response(Preset)	36Hz-300Hz(-10dB)
Horizontal	0°
Angle Increments(X8)	0° 2° 4° 6°
Angle Increments(X8)	0° 2° 4° 6°
Drivers	LF:1×15" Neodymium
Handling Power (AES)	LF:1200W
Maximum Peak SPL	134dB/1m
Nominal Impedance	LF:8Ω
Connections	2 x NL4 SpeakOn
Pin Connections	NL4=LF: +1-1
Heigh Front	560mm
Heigh Back	560mm
Width	430mm
Depth	35kg/79.3lb
Weight	35kg/79.3lb

Rigging and Handling

Handle	4 ergonomic handles
Pole socket	1x35mm Pole socket
Fastener	5 side fastener

Physical Data

Material	Baltic Birch Plywood
Finish	Black
Front	Polyester powder-coated steel grill
Rigging	Steel
Protection rating	IP45

X8 Sub

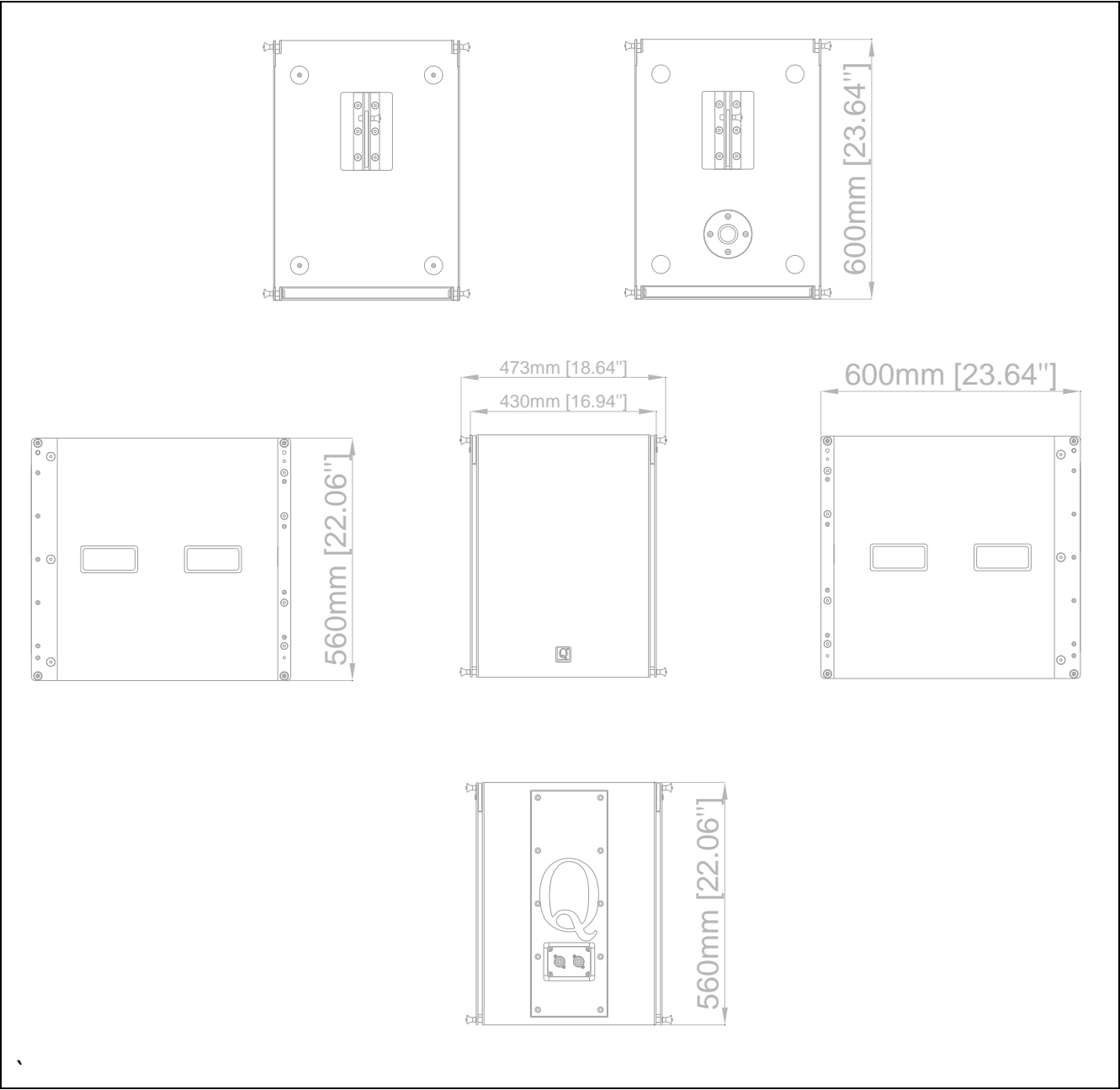
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Dimensions



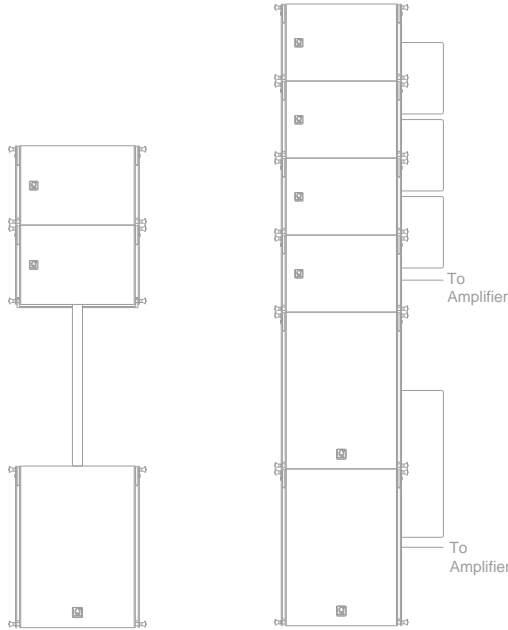
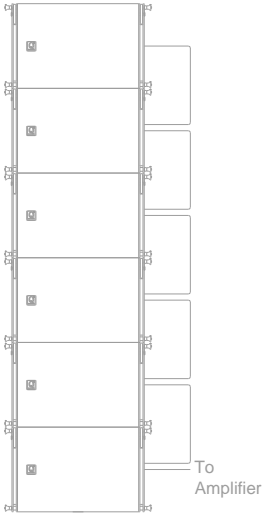
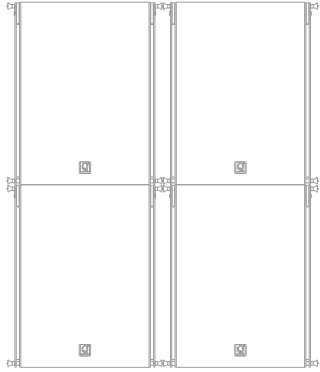
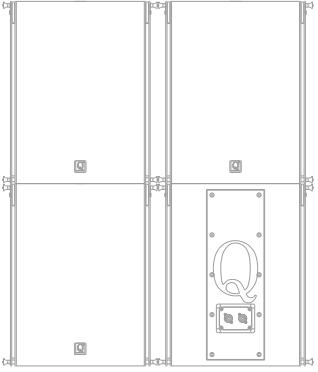
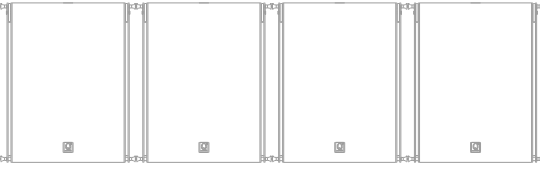
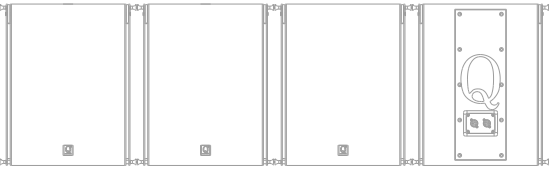
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Application X8/X8 Sub

	X8+X8 Sub	X8+X8 Sub
1		
2		
3		

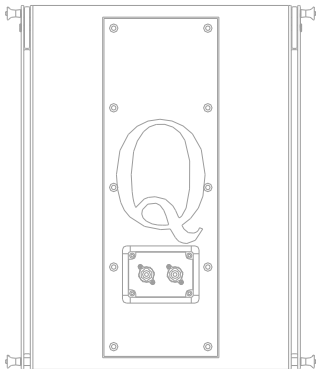
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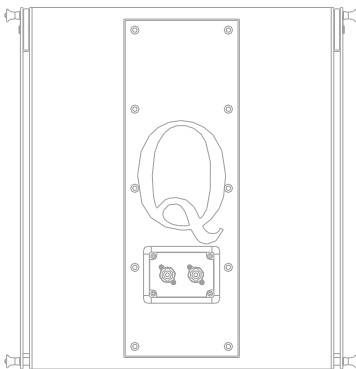
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Loudspeaker connection

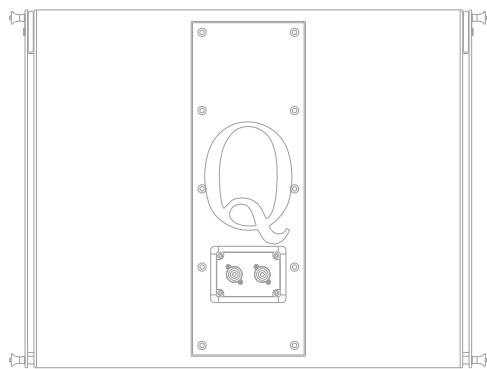
The Sub is equipped with two 4-point NL-4 speakON connectors.



X8 Sub

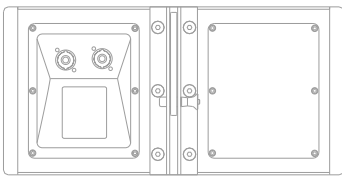


X10 Sub

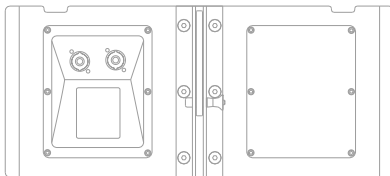


X12 Sub

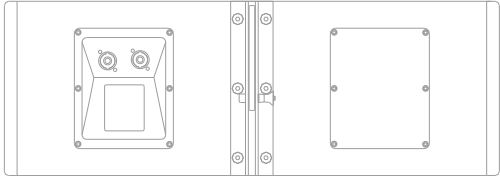
NL-4 speakON points	1+	1-	2+	2-
Transducer connectors	LF+	LF-	Not Linked	Not Linked



X8



X10



X12

NL-4 speakON points	1+	1-	2+	2-
Transducer connectors	LF+	LF-	HF+	HF-

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Maximum number of enclosures per VDA12、H Series / Impedance load (VDA12)

Enclosure	Max enclosure in parallel	Max enclosure per controller
X8	6	12
X10	4	8
X12	4	8
X8 Sub	2	8
X10 Sub	2	8
X12 Sub	2	8
Xiv18	8	8
Xiv28	1	4

Enclosure	1	2
X8	LF 16 Ω / HF 16 Ω	LF 8 Ω / HF 8 Ω
X10	LF 16 Ω / HF 16 Ω	LF 8 Ω / HF 8 Ω
X12	LF 16 Ω / HF 16 Ω	LF 8 Ω / HF 8 Ω
X8 Sub	LF 8 Ω	LF 4 Ω
X10 Sub	LF 8 Ω	LF 4 Ω
X12 Sub	LF 8 Ω	LF 4 Ω
Xiv18	LF 8 Ω	LF 4 Ω
Xiv28	LF 4 Ω	None

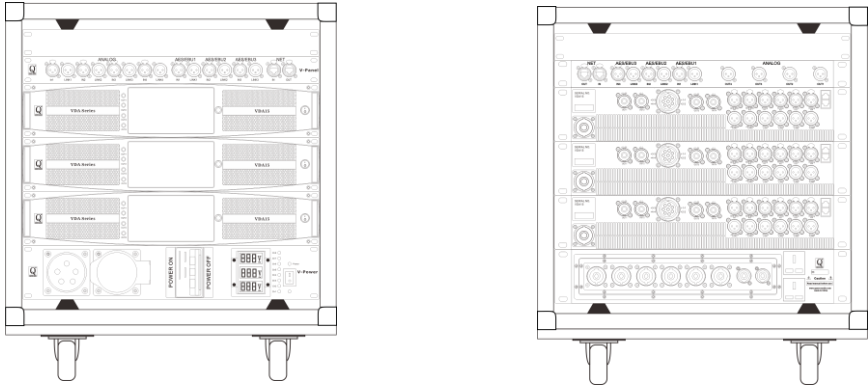
Enclosure	3	4
X8	LF 5.3 Ω / HF 5.3 Ω	LF 4 Ω / HF 4 Ω
X10	LF 5.3 Ω / HF 5.3 Ω	LF 4 Ω / HF 4 Ω
X12	LF 5.3 Ω / HF 5.3 Ω	LF 4 Ω / HF 4 Ω
X8 Sub	None	None
X10 Sub	None	None
X12 Sub	None	None
Xiv18	None	None
Xiv28	None	None

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VDA12 DSP AMPLIFIED CONTROLLER

VDA Rack



H Series AMPLIFIED CONTROLLER with Processor

H Series 2channel Recommend



H-600
2x600w 8ohm



H-800
2x800w 8ohm



H-1000
2x1000w 8ohm



H-1200
2x1200w 8ohm

ASSOCIATED ENCLOSURES

X8/X8 Sub



X10/X10 Sub



X12/X12 Sub



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