

5CS Full Range System



Product Information Version-1.0



5CS Full Range System



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 #5CS. The container shall contain - 2 #5CS 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.

www.qanon-audio.com

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Features

- 5 inch Coaxial
- Short Distance Applications (Distributed)
- Maximum SPL 121dB
- 1 x 5" neodymium low driver unit
- 1 x 1" neodymium High driver unit
- Horizontal 110° Vertical 110°
- Monitor Angel (1) 0°
- Mic stand U-shaped
- 12Low/12LowX extend Bass
- 1x M8 Mic stand
- 2x M6 U threaded insert
- H Series /VDA12 power amplifier controller
- Dark brown、White



5CS

5CS provides original, powerful acoustic effects in an ultra-compact 5-inch housing. It can supplement any smaller audio system in previous fill or distributed applications. Its wide conical directional mode provides a smooth off-axis response - ensuring the best sound effect to the audience's location.

5CS has a variety of customized colors, which can be easily integrated into any architectural style to meet the most demanding architectural needs. Hanging options include wall mounting, ceiling mounting and microphone bracket mounting in different directions to integrate into any possible situation.

For Installation applications, this unique horn provides 110° x 110° (H x V) constant directional dispersion, providing precisely defined coverage areas on the stage. 5CS can also work in high efficiency mode. When the speaker is used vertically, 5CS can be used as a powerful PA speaker and a powerful sound compensation system for various applications.

5CS has impact resistant paint, M8 threaded inserts and sockets that can accommodate mic stand. Each M6 threaded insert can accommodate U-shaped hangers.

The cabinet shall be equipped with internal hardware and connected through two parallel NL-4 SpeakOn.

Size width: 165mm, height: 165mm, depth 165mm, box weight should be 3.5kg/7.7lbs

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5CS Technical Specification

Frequency Response(Preset)	95Hz-20kHz(-10dB)
Horizontal	110°(-6dB)
Drivers	HF:1×1.75" Neodymium
	LF:1×5" Neodymium
Handling Power (AES)	HF:50W
	LF:80W
Maximum Peak SPL	121dB/1m
Nominal Impedance	LF:16Ω
Nominal Impedance	HF:16Ω
Connections	2 x NL4 SpeakOn
Pin Connections	NL4=LF: +1-1
Heigh Front	165mm
Heigh Back	165mm
Width	165mm
Depth	165mm
Weight	3.5kg/7.7lb

Rigging and Handling

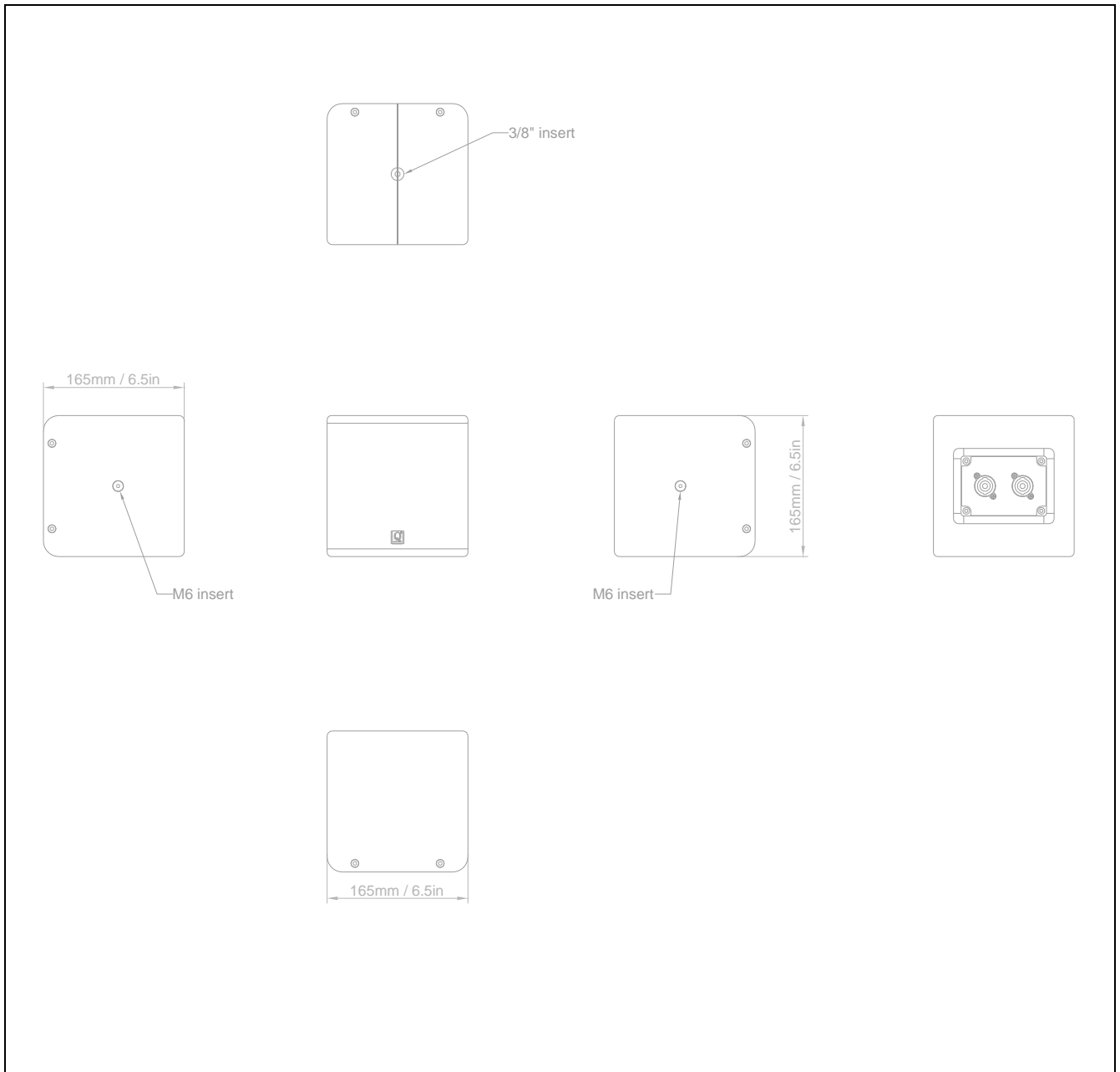
Threaded	1x M8 threaded insert
Threaded	2x M6 threaded insert

Physical Data

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

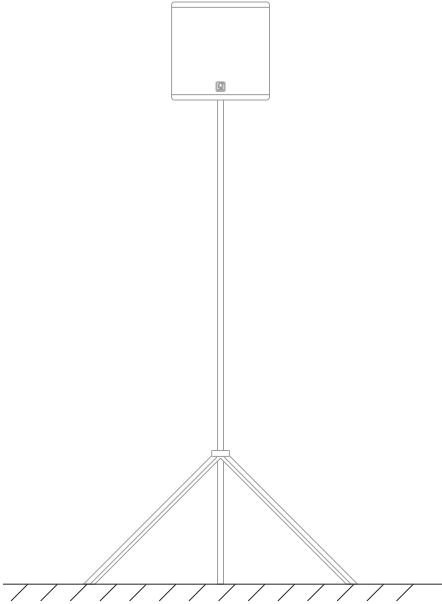

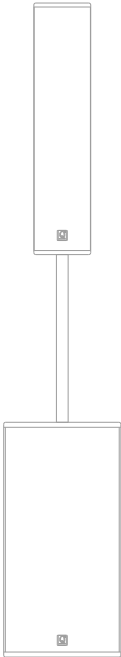
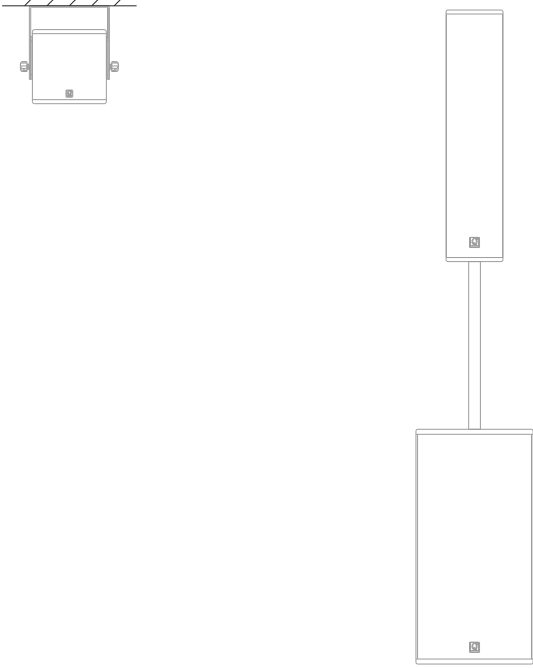
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Dimensions



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5CS、5SP、12Low Application。

	Mic stand	Hanging、Ground
1		
2		

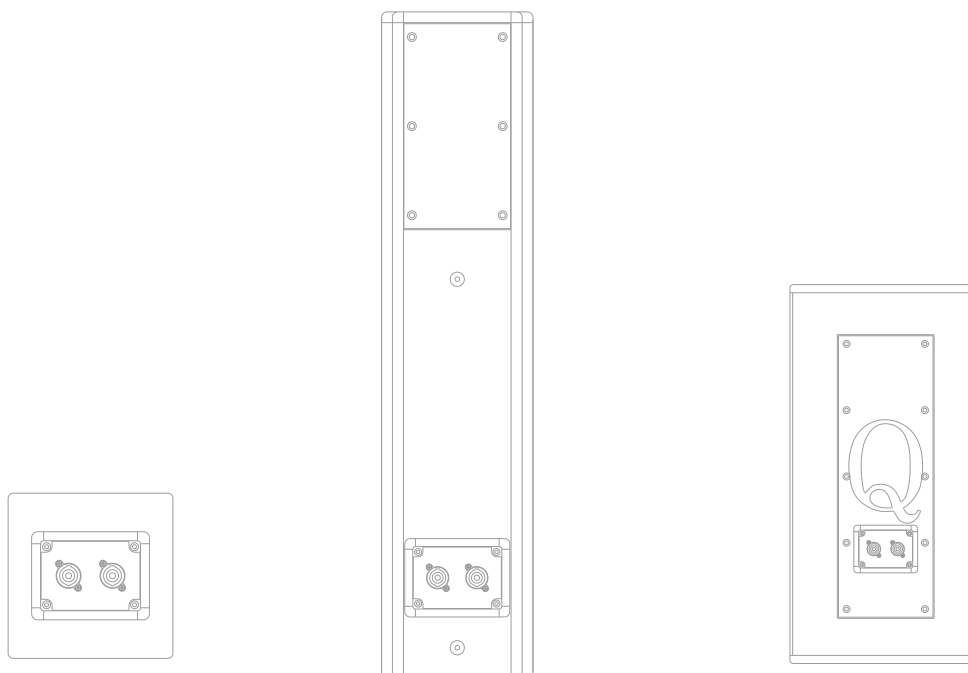
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Loudspeaker connection

The 5 Series is equipped with two 4-point NL-4 speakON connectors.



5CS				
NL-4 speakON points	1+	1-	2+	2-
Transducer connectors	LF+	LF-	Not Linked	Not Linked

5SP				
NL-4 speakON points	1+	1-	2+	2-
Transducer connectors	LF+	LF-	HF+	HF-

12Low				
NL-4 speakON points	1+	1-	2+	2-
Transducer connectors	LF+	LF-	Not Linked	Not Linked

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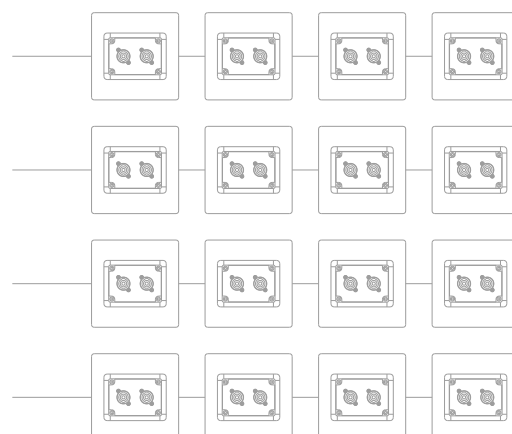
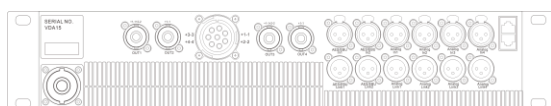
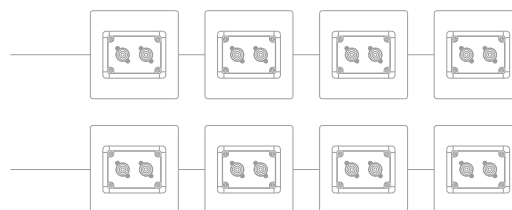
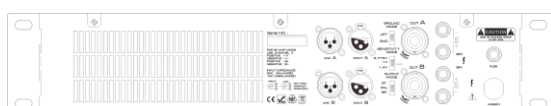
Maximum number of enclosures per VDA12 / Impedance load (VDA12)

Enclosure	Max enclosure in parallel	Max enclosure per controller
5CS	4	16
5SP	2	4
12Low	1	4

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

Enclosure	Max enclosure in parallel	Max enclosure per controller
5CS	4	8
5SP	1	2
12Low	1	2

Enclosure	1	2
5CS	LF 16 Ω	LF 8 Ω
5SP	LF 5.3 Ω / HF 8 Ω	LF 2.6 Ω / HF 4 Ω
12Low	LF 4 Ω	None



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VDA12 DSP AMPLIFIED CONTROLLER

VDA12



VDA12
4x1200w 8ohm

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

5CS



5SP



12Low



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