



5CS 2-way passive coaxial





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 #5 Series. 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.



5CS 2-way passive coaxial



- 5 inch Coaxial Point Source
- Maximum SPL 121dB
- 1 x 5" Ferrite low driver unit
- 1 x 1" Ferrite High driver unit
- LF frequency extended to 95Hz(-10dB)
- Short Distance Applications (Distributed)
- H x V 110° x 110° (-6dB)
- 12Low/12LowX extend Bass
- Mic stand / U-shaped
- H / VDA18 / C15 amplifier controller
- Dark brown、White

5CS small package

5CS is a coaxial point source speaker, which is suitable for many small applications. The 5CS enclosure is equipped with a 5 "low frequency driver and a 1" high frequency driver, coaxial design, with a nominal impedance of 16 ohms. 9mm birch plywood is used to seal the shell. Provide a frequency range of [90Hz-20kHz (-10dB)] to produce an H / V 110 ° x 110 ° (-6dB) to provide the original and powerful acoustic effect. It can be used to supplement any larger audio system in front fill or distributed applications. Its wide circular directional pattern provides a smooth off-axis response - ensuring the best sound effect to the audience's location.

For dedicated installation applications, this unique horn provides a constant directional dispersion of 110° x 110° (H x V), 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, as well as a powerful sound compensation system, which is suitable for various applications.

The 5CS can be stacked as a stand-alone system or fixed to one of its ultra-low speaker extensions. Compatible with wall mounted and flying. With a variety of custom colors, you can easily integrate any architectural style to meet the most demanding architectural needs. Hanging options include wall mounting, ceiling mounting and sound stand mounting, microphone stand mounting in different directions to integrate into any possible situation. There are M6 threaded inserts on the left and right to accommodate U-shaped hanger, and M8 threaded inserts on the top and bottom to accommodate microphone bracket and 5CS U-shaped hanger.

The cabinet shall be equipped with internal hardware and connected through two parallel NL-4 SpeakOn.
Size width:165mm, height: 165mm, depth 165mm
Weight:3.5kg / 7.7lbs



5CS Technical Specification

Technical Specification

Type	2-way passive Coaxial Point source
Frequency Response(Preset)	95Hz-20kHz(-10dB)
Horizontal	110°(-6dB)
Drivers	LF:1×5" Ferrite HF:1×" Ferrite
Handling Power (AES)	LF:80W HF:50W
Maximum Peak SPL	121dB/1m
Nominal Impedance	LF:16Ω / 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

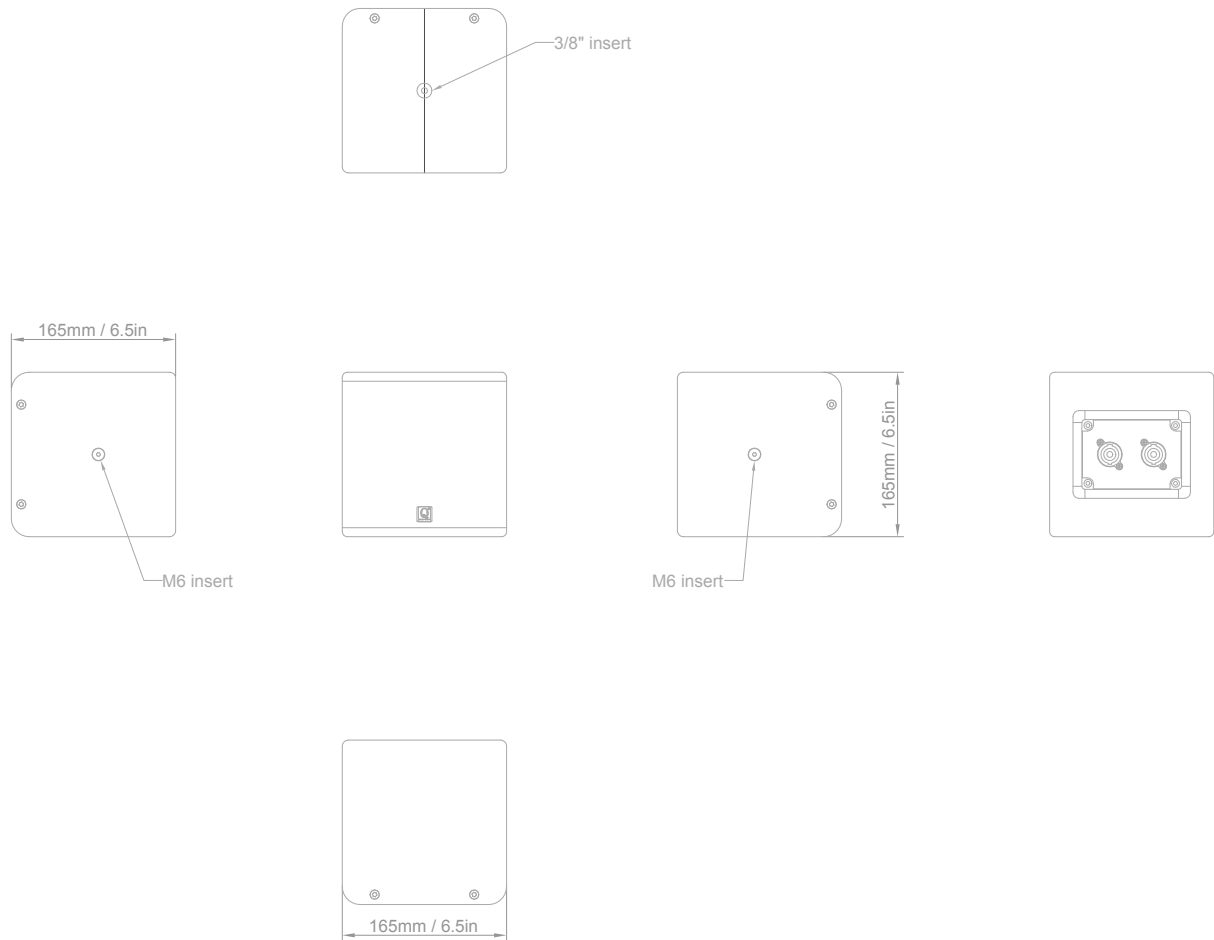
Rigging and Handling

Threaded	1x M8 threaded insert
Threaded	2x M6 threaded insert
Rigging	5CS-UL U-shaped

Physical Data

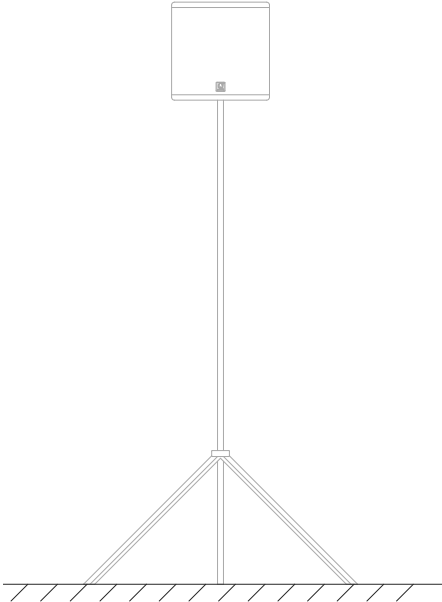

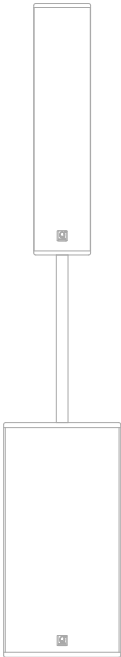
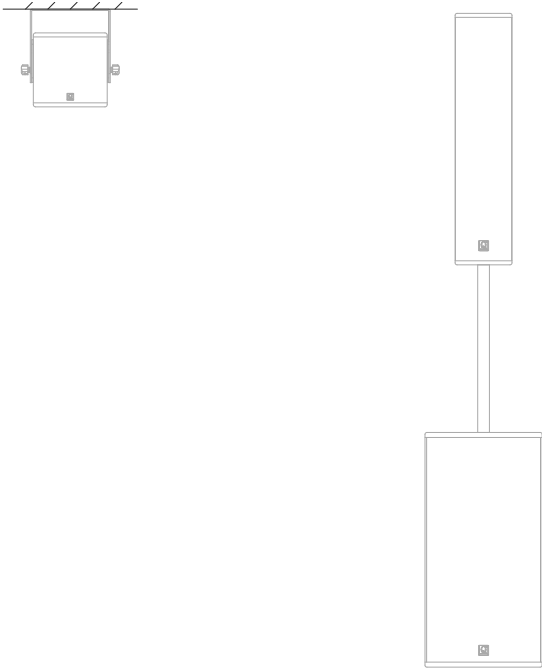
Material	Baltic Birch Plywood
Finish	Dark Grey
Front	Polyester powder-coated steel grill
Rigging	Steel
Protection rating	IP45

5CS Dimensions CAD





Application and Collocation

	Mic stand	Hanging、Ground
1		
2		
5SP + 12Low = L + R 5CS = Center		



H600 Maximum number of enclosures per Amp

Enclosure	Max enclosure in parallel		Max enclosure per controller	
584	1		2	
544	2		4	
524	4		8	
5CS	4		8	
5SP	2		4	
Enclosure	1	2	3	4
584	LF:4 Ω			
544	LF:8 Ω	LF:4 Ω		
524	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω
5CS	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω
5SP	LF:8 Ω	LF:4 Ω		

VDA18 Maximum number of enclosures per Amp

Enclosure	Max enclosure in parallel					Max enclosure per controller		
584	2					8		
544	4					16		
524	8					32		
5CS	8					32		
5SP	4					16		
Enclosure	1	2	3	4	5	6	7	8
584	LF:4 Ω							
544	LF:8 Ω	LF:4 Ω	LF:2.7 Ω	LF:2 Ω				
524	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω	LF:3.2 Ω	LF:2.6 Ω	LF:2.3 Ω	LF:2 Ω
5CS	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω	LF:3.2 Ω	LF:2.6 Ω	LF:2.3 Ω	LF:2 Ω
5SP	LF:8 Ω	LF:4 Ω	LF:2.7 Ω	LF:2 Ω				

C15 Maximum number of enclosures per Amp

Enclosure	Max enclosure in parallel				Max enclosure per controller	
584	1				4	
544	3				12	
524	6				24	
5CS	6				24	
5SP	3				12	
Enclosure	1	2	3	4	5	6
584	LF:4 Ω					
544	LF:8 Ω	LF:4 Ω	LF:2.7 Ω			
524	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω	LF:3.2 Ω	LF:2.6 Ω
5CS	LF:16 Ω	LF:8 Ω	LF:5.3 Ω	LF:4 Ω	LF:3.2 Ω	LF:2.6 Ω
5SP	LF:8 Ω	LF:4 Ω	LF:2.7 Ω			



5CS Controller Introduction



H600 Controller

2 Input x 2 Output Analog Type

2x NL4 SpeakOn

Max 4 enclosure in parallel For 5CS

Max 8 enclosure per controller For 5CS



VDA18 DSP Controller

4 Input x 4 Output Analog Type

2 Input x 2 Output AES3 Digital Type

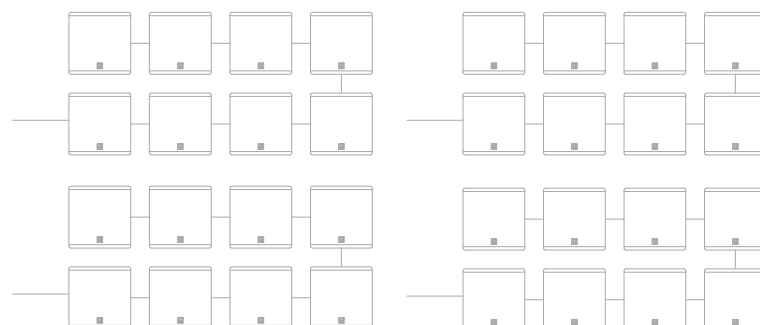
2 x RJ45 etherCON® (IN/OUT)

4 x NL4 SpeakOn

1 x 8pin PA-Com

Max 8 enclosure in parallel For 5CS

Max 32 enclosure per controller For 5CS



C15 Controller

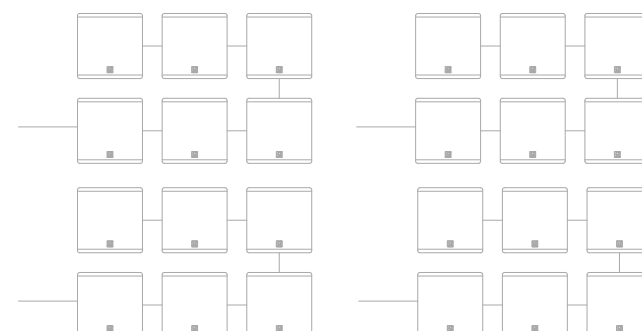
4 Input Analog Type

2 x NL4 SpeakOn

1 x 8pin PA-Com / NL8 SpeakOn

Max 6 enclosure in parallel For 5CS

Max 24 enclosure per controller For 5CS



H600 / C15 System and processor Recommend



D36

D48






Controller View



VDA18

C15

Associated Enclosures

			
584	544	524	5CS
			
Xiv18	12Low/12Low Active	12LowX/12LowXActive	5SP