



TC15

PASSIVE 2-way COAXIAL



www.qanon-audio.com



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 #TC15. The container shall contain - 1 #TC15 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.



TC15 PASSIVE 2-way COAXIAL



- 15" 2-way Full range coaxial monitor
- Maximum SPL 138dB
- 1 x 15" Neodymium low driver unit
- 1 x 3" Neodymium Compression driver
- 40 degree horizontal coverage angle
- 60 degree vertical coverage angle
- Monitor angle (1) 55° / 15°
- Ground stacking integrated assembly system
- Install Ø 35mm pole socket
- 13x M8 threaded insert

TC15

TC15 is 2-way full frequency coaxial structure and high performance stage monitor, provide the frequency range of 60Hz-18kHz. Composed of a 15" low frequency and 1.75" high frequency compression unit, the constant directional diffusion angle, with a custom unit and waveguide technology, 40° x 60° can accurately cover the stage area. The monitor is matched with two kind angle. 55 degrees and 15 degrees, TC15 also can be used a powerful PA system.

Each side panel has M10 threaded insert, used for quick and flexible install. The right part of the box has Ø 35mm pole socket can be used for the installation of the sound box support. The bottom has rubber feet and provides antiskid function. The impedance of each loudspeaker for 8 ohms, and can be use 2-3 monitor for 1 group (4ohms / 2.7ohms)

The enclosure shall be fitted with internal hardware and connected via two parallel NL-4 speakOn.
Dimensions: width: 460mm, height: 600mm, depth: 360mm
weight: 25kg / 55.1lb



TC15 Technical Specification

TC15 Technical Specification

| | |
|----------------------------|--|
| Type | Passive 2-way Coaxial Enclosure |
| Frequency Response(Preset) | 55Hz - 18kHz(±3dB) |
| Horizontal | 40° |
| Vertical | 60° |
| Monitor Angle | 55°(1) 15°(2) |
| Drivers | LF: 1×15" (Ferrite) HF: 1×1.75" (Ferrite) |
| Handling Power (AES) | LF: 350W HF: 60W |
| Maximum Peak SPL | 133dB/1m |
| Nominal Impedance | LF:8Ω / HF:8Ω |
| Connections | 2 x NL4 SpeakOn |
| Pin Connections | NL4=LF: +1-1 |
| Width | 460mm |
| Height | 600mm |
| Depth | 360mm |
| Weight | 25kg / 55.1lb |

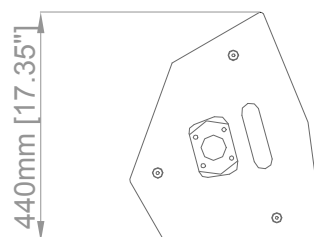
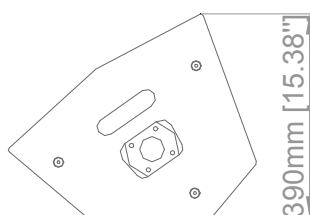
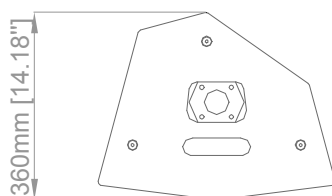
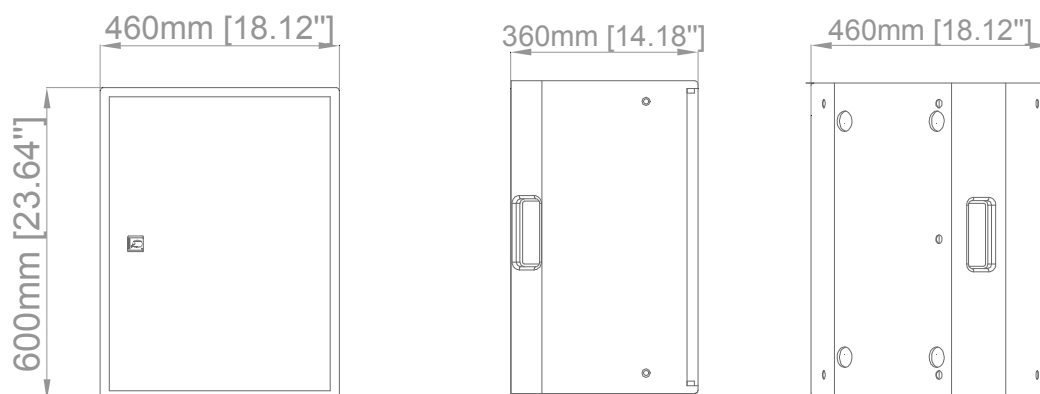
Rigging and Handling

| | |
|-------------|-------------------------|
| Handle | 2 handles |
| Threaded | 13x M10 threaded insert |
| Pole socket | 1x 35mm Pole socket |
| stand bar | 4x 10mm*38mm(H*Ø) |

Physical Data

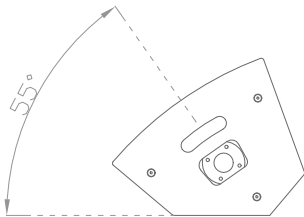
| | |
|-------------------|-------------------------------------|
| Material | Baltic Birch Plywood |
| Finish | Black |
| Front | Polyester powder-coated steel grill |
| Rigging | Steel |
| Protection rating | IP45 |

Dimensions CAD

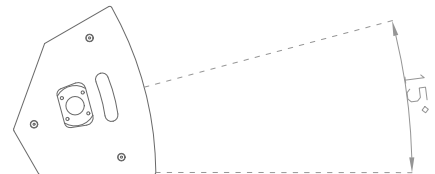


Application

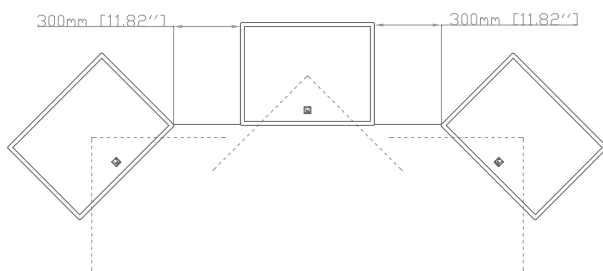
The design and application of TC15 coaxial monitor system can be used in many functions. The monitoring angle is matched with two kinds angles, 55 degrees and 15 degrees, TC15 and V18 / Xiv18 ultra low frequency loudspeaker ground stack integration. The addition support $\varnothing 35\text{mm}$ pole socket can be used with Xiv18, providing fast and simple ground and stack application.



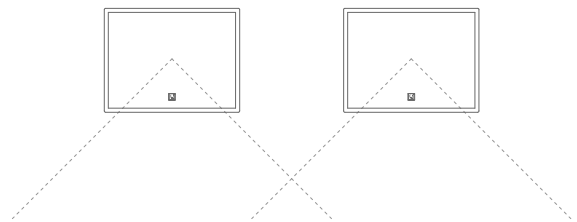
Monitor Angle 55° (Fig 1)



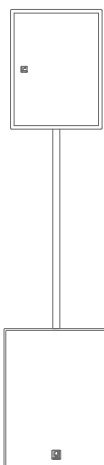
Monitor Angle 0° (Fig 2)



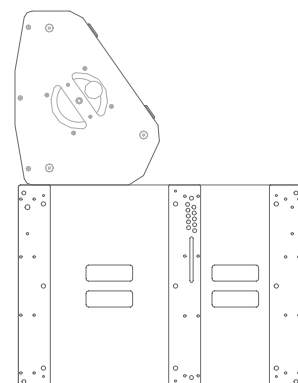
Separate Area (Fig 3)



Parallel Use (Fig 4)



FOH (Fig 5)



Monitor+sub (Fig 6)



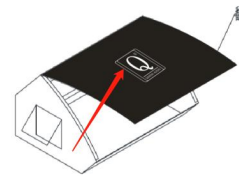
TRANSPORTATION ACCESSORIES

TC15-Touring case:

removable front case on wheels (two TC15)



TC15-Cover: one TC15



Rigging Frame Accessories

TC15 Circular Rigging(M10)



Speaker Cable

TC15 2Pin NL4 2 x 4 mm² (50cm)

TC15 2Pin NL4 2 x 4 mm² (15m)





VDA18 / C15 Maximum number of enclosures per Amp

| Enclosure | Max enclosure in parallel | Max enclosure per controller |
|-----------|---------------------------|------------------------------|
| TC15 | 3 | 12 |
| TC12 | 3 | 12 |
| TC10 | 3 | 12 |

H800 Maximum number of enclosures per Amp

| Enclosure | Max enclosure in parallel | Max enclosure per controller |
|-----------|---------------------------|------------------------------|
| TC15 | 2 | 4 |
| TC12 | 3 | 6 |
| TC10 | 3 | 6 |

| Enclosure | 1 | 2 | 3 |
|----------------------------|-----------|-----------|-----------|
| TC15 | LF :8 Ω | LF: 4 Ω | LF: 2.7 Ω |
| TC12 | LF :8 Ω | LF: 4 Ω | LF: 2.7 Ω |
| TC10 | LF: 8 Ω | LF: 4 Ω | LF: 2.7 Ω |
| Connectors | TC15 | TC12 | TC10 |
| NL4 2-Pin 2*4 ² | LF = +1-1 | LF = +1-1 | LF = +1-1 |

Controller Recommend



VDA18
4x1400w 8ohm



C15
4x1500w 8ohm



H-800
2x800w 8ohm

Associated Enclosures

TC15



TC12



TC10

