

# PS10 Stage Monitor System



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## 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 #PS10. The container shall contain - 1 #PS10 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](http://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

- 2-way Full range coaxial monitor
- Maximum SPL 128dB
- 1 x 10" Ferrite low driver unit
- 1 x 1.75" Ferrite Compression driver
- 100 ° horizontal coverage angle
- 50 ° vertical coverage angle
- Monitor angle (1) 45°
- Monitor angle (2) 15°
- Ground stacking integrated assembly system
- Install ∅ 35mm pole socket
- 13x M8 threaded insert



### PS10

A satisfactory experience often requires coordination between the wide and short distance coverage required by the listener closest to the stage and the narrow, long range coverage required by the audience behind the venue. Similarly, when the player is close to the sound, the coverage of the monitor must be wider, and when it is far from the performer, the coverage must be narrower. The asymmetric horn in the PS10 loudspeaker is designed such that the vertical coverage is narrower above the horn shaft than below. User-friendly rotation to ensure the best directionality in the application process.

The PS10 is a 2-way high-performance stage monitor speaker that provides a 60Hz-18kHz frequency range with an integrated 10" low frequency and 1.75" exit horn-loaded high-frequency driver.

This unique speaker provides a 100° x 50° (H x V) constant directional dispersion that provides a precisely defined coverage area on the stage. The PS10 can also work in high performance mode. When the speaker is used vertically, the PS10 can be used as a powerful PA speaker with a dispersion of 100° x 50°. The monitor angle is matched with two angles of 45° / 15°. The PS10 can also be used as a powerful fill system. Suitable for a variety of applications.

For installation applications, the PS10 enclosure is made of birch plywood and includes 2 handles and a 35mm pole socket.

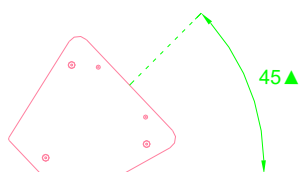
The PS10 features an impact-resistant finish, an M8 threaded insert and a socket that holds the speaker stand. The front of the speaker cabinet is protected by a rigid metal grill with clear foam, and the chute in the bottom panel prevents scratches and movement.

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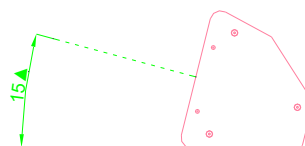
## Product Information Version-1.0

### Application

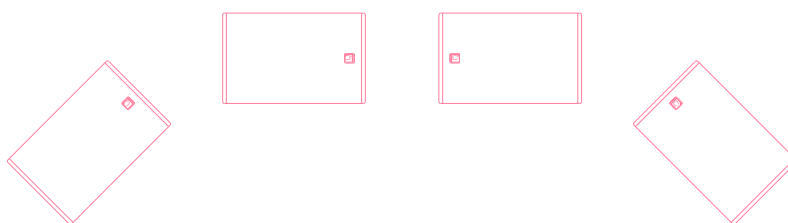
The PS10 monitor system is designed for versatile use. The monitor angle is matched with two angles of  $45^{\circ}$  /  $15^{\circ}$ . The PS10 is integrated with the V-Series and X-Series subwoofer systems, and the add-on stand can be used to provide fast and simple ground applications. The PS10 system can be built to meet small field activity applications. The V18 / Xiv18 subwoofer is designed to enhance the system's low frequency response, providing a quick and easy lifting or ground stacking integrated assembly system.



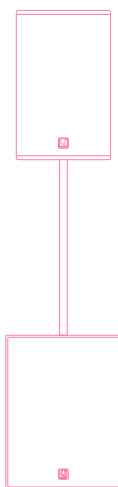
Angle  $45^{\circ}$  (Fig 1)



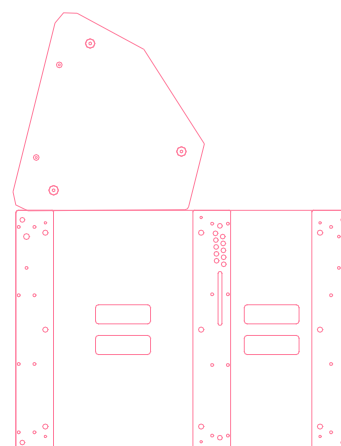
Angle  $15^{\circ}$  (Fig 2)



Separate Area (Fig 3)



FOH (Fig 4)



Monitor+sub (Fig 6)

# PS10 Stage Monitor System



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## Product Information Version-1.0

### PS10 Technical Specification

Type	2-way Full range Enclosure
Mirror symmetry	Left/Right
Frequency Response(Preset)	60Hz-18kHz(±3dB)
Horizontal	100°
Vertical	50°
Monitor Angle	45°(1) 15°(2)
Drivers	HF: 1×1.75" (Ferrite) LF: 1×10" (Ferrite)
Handling Power (AES)	HF: 60W LF: 250W
Maximum Peak SPL	128dB/1m
Nominal Impedance	LF:8Ω / HF:8Ω
Connections	2 x NL4 SpeakOn
Pin Connections	NL4=LF: +1-1
Width	300mm
Height	490mm
Depth	275mm
Weight	15kg/33lb

### Rigging and Handling

Handle	2 handles
Threaded	13x M8 threaded insert
Pole socket	1x 35mm Pole socket
Stand bar	4x 10mm*38mm(H*ø)

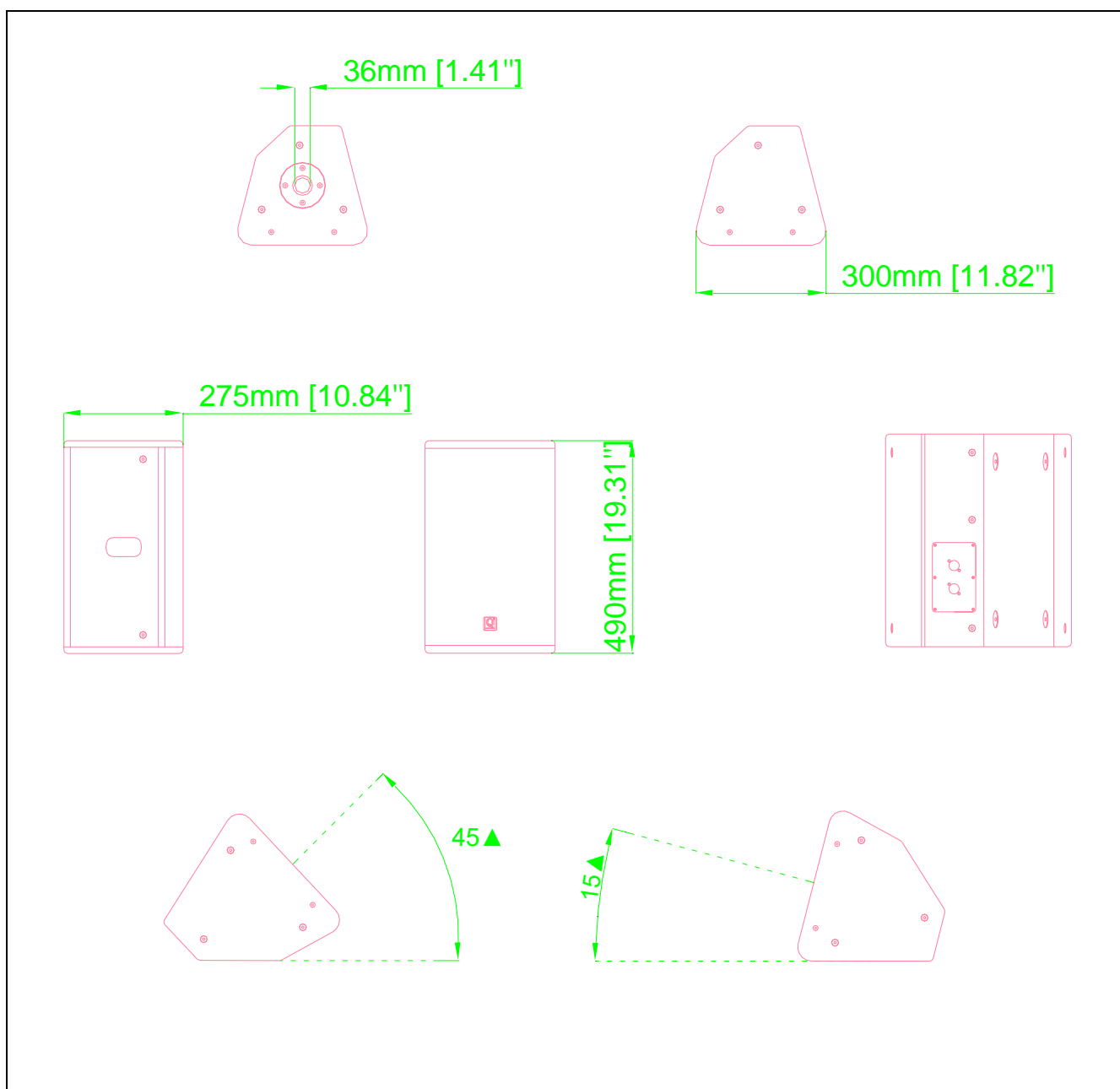
### Physical Data

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

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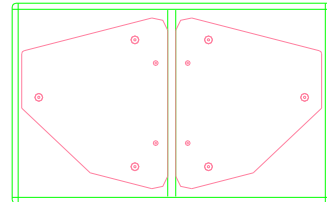
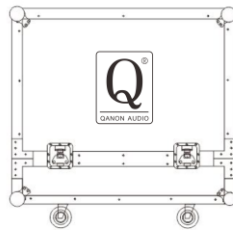
### Dimensions



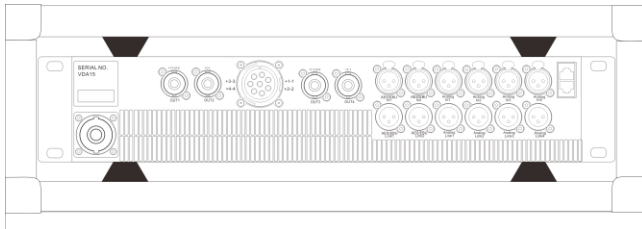
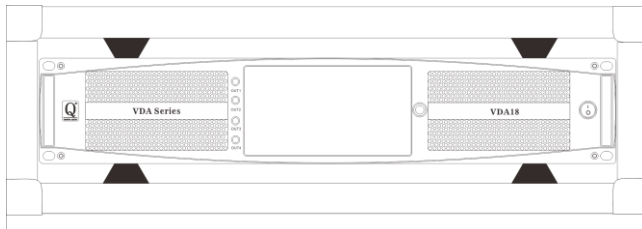
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## TRANSPORTATION ACCESSORIES

**PS10-Touring case:** removable front case on wheels (two PS10)

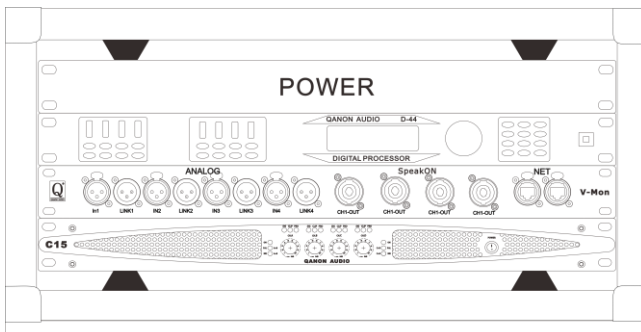


## VDA18 / VDA12 AMPLIFIED CONTROLLER



- 1) **VDA12 Power amplifier** 4 x 1200W / 8ohms
- 2) **VDA18 Power amplifier** 4 x 1800W / 8ohms
- 3) **4In 4Out Analog**
- 4) **2In 2Out AES3**
- 5) **2 x RJ45 Net Work**
- 6) **4 x NL4 SpeakOn**
- 7) **1x 8Pin Connector**
- 8) **Power Con 32A**
- 9) **2U Rack**

## C15 AMPLIFIED CONTROLLER



- 1) **C15 Power amplifier** 4 x 1500W / 8ohms
- 2) **Mon-Panel (4 inputs/Link ,4-ch SpeakON Audio Panel )**
- 3) **D44 4in 4out processor**
- 4) **8channel Power**
- 5) **4U Rack**

# PS10 Stage Monitor System



## PS Series High Performance Stage Monitor

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PS15



PS12



PS10



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