

V12 Long Throw line source enclosure

- V series family - Heavyweight
- 147 dB max SPL
- Beyond 50m Long Throw
- Touring - Fixed installation
- 100° Horizontal
- Plug and play
- VDA Series Controller
- Weight 67kg



V12 is long throw compact line array speaker designed for medium and long distance sound reinforcement applications with minimal visual impact.

V12 is equipped with two 12inch speakers, four 6.5inch and two 3inch diaphragm compression drivers in the bass reflector.

V12 has an excellent sound pressure level thanks to the design and power of the subwoofer. The maximum box impedance is 8 ohm.

The frequency of V12 is 45Hz-20kHz, with 100° symmetrical horizontal directivity output. It has smooth response in the whole frequency range. In order to maintain the wavefront coherence, the maximum element angle is 6 ° and the internal passive frequency division network uses custom filter. VDA18 power amplifier can ensure linearization and protection.

Part of V series member, V12 is a full range line array designed for medium-sized mobile performance applications. V12 adopts the internationally recognized V15 module to provide

V12 provides excellent bandwidth with enhanced low frequency profile size and high output capacity for use as a stand-alone line source. As a 3-way active speaker design, V12 needs four channels of amplification each speaker has a density of sound.

The rugged suspension system integrates an efficient, fast use, suspension system with visual security and effortless deployment. A complete suspension system and transport accessories for easy storage, truck loading and multiple deployment options.



V15



V12



Veya

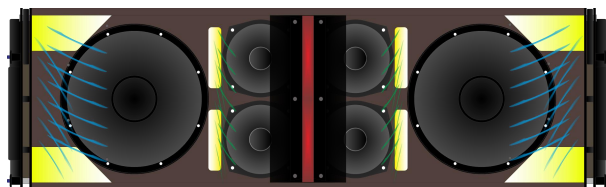


V10

QANON AUDIO recently released **Veya**, a medium-sized line array speaker suitable for various sound reinforcement styles.

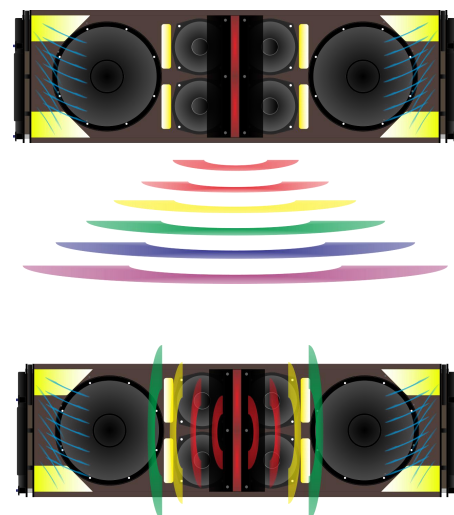
Combining the "excellent dynamic range and high expressiveness" of QANON AUDIO V12 and the "compact and durable high quality" of V10, **Veya** should be born between **V12** and **V10** colleagues

V12 Design concept



V12 use 3-way active design , Two 12inch LF-frequency drivers four 6.5inch MF-frequency drivers and two 3inch HF frequency throat drivers are loaded. It is equipped with special strange sound speakers and adopts the same high-frequency Waveguide Horn technology as V series, which is suitable for frequency response phase coupling with all V series speakers.

The vertical plane correlation generated by its compact structure effectively reduces the internal turbulent noise, obtains the natural and strong low-frequency response of the box, and the balanced distribution of low-frequency and high-frequency drivers. In addition, the smooth coverage angle of the constant pointing 100 ° high-frequency horn can provide excellent consistent frequency response characteristics even in the off-axis area, The high-strength metal pendant can cascade up to 24 speakers in a vertical plane, and its vertical spacing angle can be adjusted with an accuracy of 1 degree between 0 ° ~ 6 ° . Both in terms of energy output and coverage, V12 acoustic performance has been improved to a higher level.



Product compatibility :

V12 is a true full range speaker. With extremely wide full frequency bandwidth and compact, the two features are compatible. The frequency response range is 45Hz - 20kHz. With VDA18 amplifier, the frequency response and phase curve can be exactly the same as that of V series, and the maximum sound pressure level can reach 143db. To obtain so much energy in such a compact structure, QANON adopts low-frequency laminar flow direct guidance technology, which is the same as that of ultra-low VS28 speaker, Coupled with VS28 excellent low-frequency drive and high-end extended phase coupling, the frequency bandwidth can be extended to 25Hz, so as to give full play to V12 energy.



V15



V12



Veya



V10



V25



VS28

V12 Long Throw line source enclosure

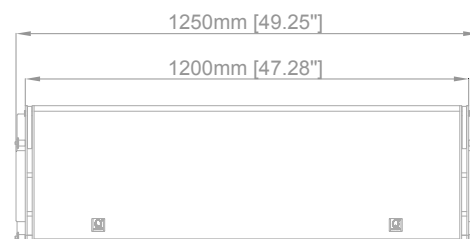


- V series family - Heavyweight
- Touring - Fixed installation
- Beyond 50m Long Throw
- VDA18 Controller / VS28 Subwoofer

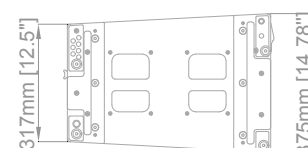
A part of the V series, V12 is a full range line source designed for large-scale applications. V12 is designed on the basis of V15. It provides the same pristine, and powerful sound characteristics in a lighter and more flexible enclosure, making it an ideal choice for national and international tours, acts, festivals or sports events. V12 provides a full range bandwidth down to 45Hz, enhancing the low-frequency profile, and has a strong output of 147dB, making it a record in terms of performance to weight ratio. V12 is designed as a 3-way four driver active loudspeaker. Thanks to VDA Touring Rack for powerful amplification and advanced protection. V12 adopts aluminum diffusion and provides 100° horizontal directional mode. Ultra accurate audience coverage and smooth SPL distribution are realized through the combination of angles between 0° ~ 6°. The rugged V12 enclosure integrates an efficient, captive rigging system fitted with visual safety for secured and effortless deployment. A comprehensive set of rigging and transportation accessories facilitate storage, truck-loading and multiply deployment options.

V12 Technical Specification

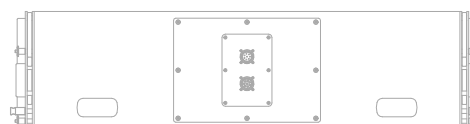
Type	3-way active line source enclosure
Frequency Response	45Hz-20kHz
Amplifier Recommend	VDA18 / VDA12
Preset	[V12] FOH / [V12] FI
Horizontal	100°
Angle Increments	0° 1° 2° 3° 4° 5° 6°
Drivers	LF : 2×12" (Neodymium) MF : 4×6.5" (Neodymium) HF : 2×3" (Neodymium)
Handling Power (AES)	LF : 2 x 500W MF : 600W HF : 220W
Maximum Peak SPL	147dB/1m
Nominal Impedance	LF:2 x 8Ω / MF:8Ω / HF:8Ω
Connections	2 x 8-point PA-COM®
Pin Connections	LF1=A/B LF2=C/D MF=E/F HF=G/H
Dimensions (W*H*D)	1200mm*375mm*550mm
Weight	67kg / 147.7lb
Handle	6 ergonomic handles
Antiskid	2 ground runners
Fastener	4 side fastener
Material	Baltic Birch Plywood
Finish	Dark Grey
Front	Polyester powder-coated steel grill
Rigging	Steel



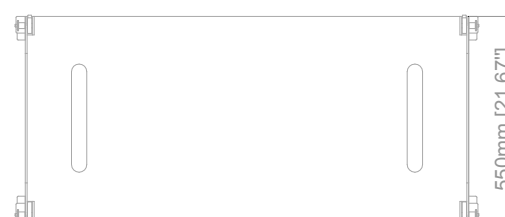
Front



Side



Rear



Top

V25 Rigging Extend Woofer



V25 is a recommended subwoofer for V15 and V12 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 30Hz.

The V25 Extended Low Frequency Loudspeaker contains an 2x15inch speaker. It has strong impact force, sensitivity and low frequency efficiency. Its internal sides have H-shaped vent progressive shape, allowing laminar flow and reducing turbulent noise. These comprehensive characteristics help to improve the working level.

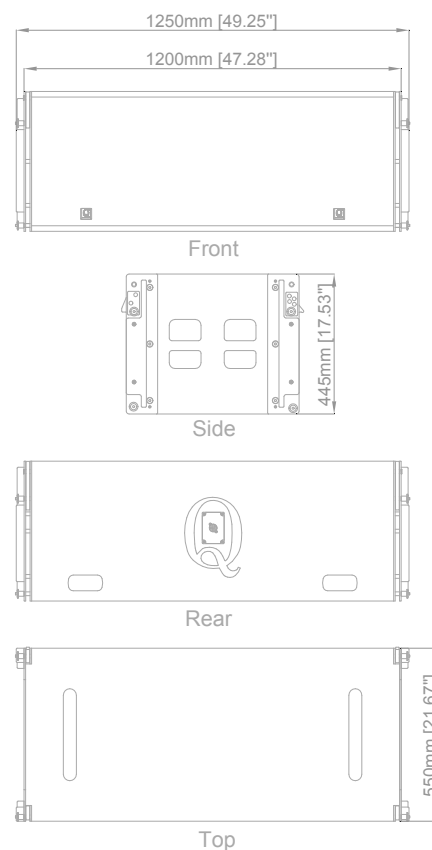
The V25 enclosure is made of Baltic birch plywood to ensure maximum acoustic and mechanical integrity.

The V25 subwoofer can be used as an independent array or fly at the top of a vertical array composed of V15 or V12 line arrays. V25 is driven and amplified by C15 or VDA18 power controller. Protect and optimize different configurations of loudspeaker systems, including cardioid

- **V series flagships - Heavyweight**
- **Touring - Fixed installation**
- **Beyond 50m Long Throw**
- **VDA18 Controller / VS28 Subwoofer**

V25 Technical Specification

Type	3-way active line source enclosure
Frequency Response	30Hz-200Hz
Amplifier Recommend	VDA18 / VDA12
Preset	[V25_70/C] [V25_125/C]
Horizontal	360°
Angle Increments	0° 1° 2° 3°
Drivers	LF : 2×15" (Neodymium)
Handling Power (AES)	LF : 2400W
Maximum Peak SPL	142dB/1m
Nominal Impedance	LF:4Ω
Connections	1 x NL4 SpeakOn
Pin Connections	NL4=LF:+1-1
Dimensions (W*H*D)	1200mm*445mm*550mm
Weight	67kg / 147.7lb
Handle	6 ergonomic handles
Antiskid	2 ground runners
Fastener	4 side fastener
Material	Baltic Birch Plywood
Finish	Dark Grey
Front	Polyester powder-coated steel grill
Rigging	Steel



VS28 Reference Subwoofer



- **V Series Family-Heavyweight**
- **Touring - Fixed installation**
- **Horizontal / Vertical / Cardioid**
- **Rigging**
- **VDA18 / VDA12 Controller**

The VS28 subwoofer Loudspeaker contains an 2x18-inch speaker. It has strong impact force, sensitivity and low frequency efficiency. Its internal sides have H-shaped vent progressive shape, allowing laminar flow and reducing turbulent noise. These comprehensive characteristics help to improve the working level.

VS28 is a recommended subwoofer for V15 and V12 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 25Hz.

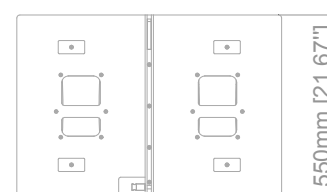
The VS28 subwoofer can be used as an independent array or fly at the top of a vertical array composed of V15 or V12 V10 line arrays. VS28 is driven and amplified by C15 or VDA18 power controller. Protect and optimize different configurations of loudspeaker systems, including cardioid

VS28 Technical Specification

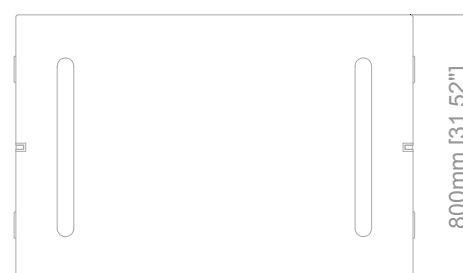
Type	Subwoofer
Frequency Response	25Hz-200Hz
Amplifier Recommend	VDA18 / VDA12
Preset	[V28_60/C] [VS28_100/C]
Horizontal	360°
Drivers	LF : 2×18" Neodymium
Handling Power (AES)	LF : 3200W
Maximum Peak SPL	143dB/1m
Nominal Impedance	LF:4Ω
Connections	2 x NL4 SpeakOn
Pin Connections	NL4=LF:+1-1
Height Front	550mm
Height Back	550mm
Width	1200mm
Depth	800mm
Weight	92kg / 203lb
Handle	4 ergonomic handles
Antiskid	2 ground runners
Fastener	2 side fastener
Material	Baltic Birch Plywood
Finish	Dark Grey
Front	Polyester powder-coated steel grill
Rigging	Steel
Protection rating	IP45



Front



Side

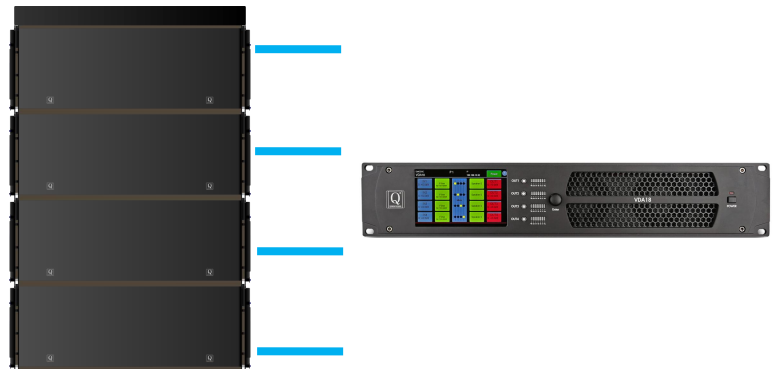


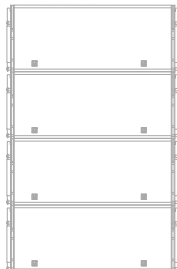
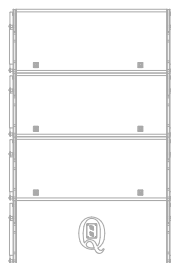
Top

V25 / VS28 Subwoofer

VDA18 DSP controller

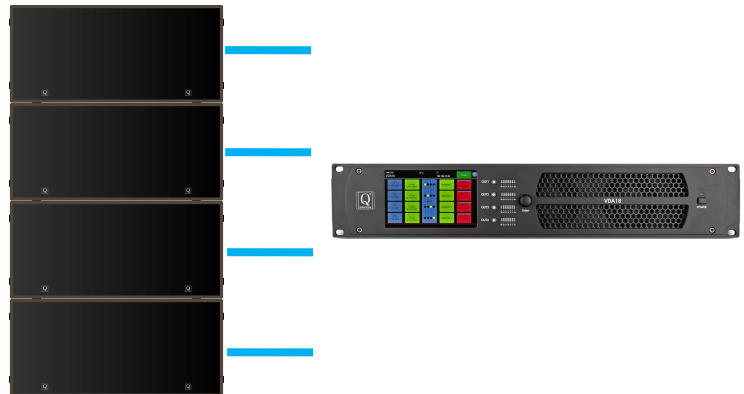
- 4 Input x 4 Output Analog Type
- 2Input x 2Output AES3Digital Type
- 2 x RJ45 etherCON® (IN/OUT)
- 4 x NL4 SpeakOn
- 1 x 8pin PA-Com
- Max 1 enclosure in parallel For VS28
- Max 4 enclosure per controller For VS28

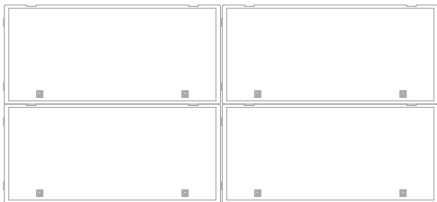
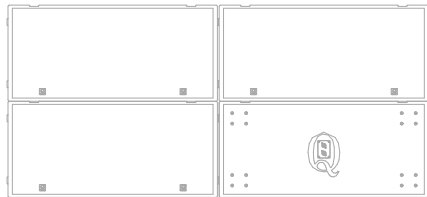


	Standard	Cardioid
Vertical		

VDA18 DSP controller

- 4 Input x 4 Output Analog Type
- 2Input x 2Output AES3Digital Type
- 2 x RJ45 etherCON® (IN/OUT)
- 4 x NL4 SpeakOn
- 1 x 8pin PA-Com
- Max 1 enclosure in parallel For VS28
- Max 4 enclosure per controller For VS28



	Standard	Cardioid
Vertical		

VDA12 VDA18 Controller

VDA12

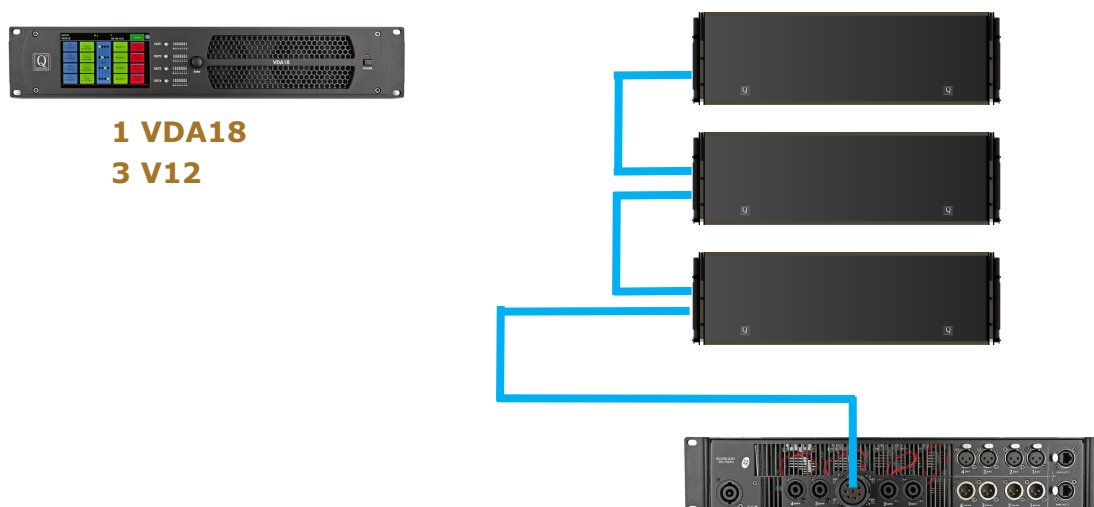
- 4 x 600W RMS 16Ω
- 4 x 1200W RMS 8Ω
- 4 x 2000W RMS 4Ω
- 4 x 2000W RMS 2.7Ω

VDA18

- 4 x 1800W RMS 8Ω
- 4 x 3600W RMS 4Ω
- 4 x 4000W RMS 2.7Ω
- 4 x 4000W RMS 2Ω

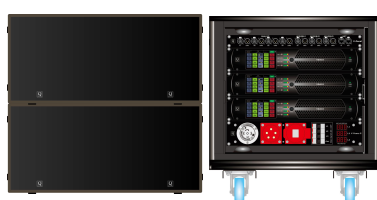
VDA12 can be used to power and control one V12 for each output channel. This configuration simplifies deployment and speaker line management, but reduces the optimization capability.

VDA18 is the recommended amplification controller for V12. One can support three V12. This configuration provides amazing plug and play performance and allows users to further optimize the system response using the VDA controller software optimization tool.



Use combination - 1

- 8 x V12 FOH
- 4 x VS28 Subwoofer
- 2 x VDA-Rack



4 V12 + 2 VS28



VDA-Rack x2

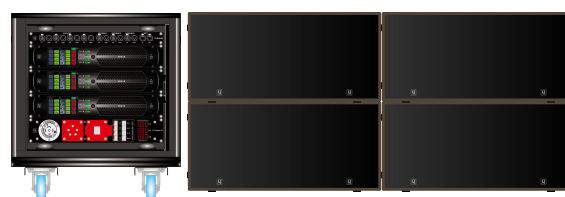
4 V12 + 2 VS28

Use combination - 2

- 12 x V12 FOH
- 4 x VS28 Subwoofer
- 2 x VDA-Rack



6 V12 + 4 VS28

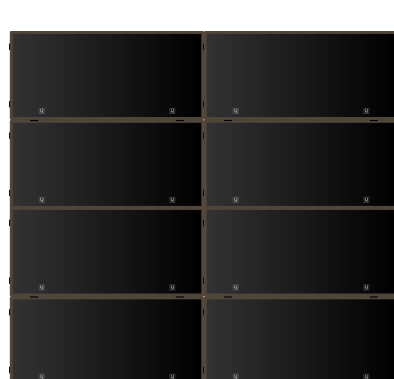
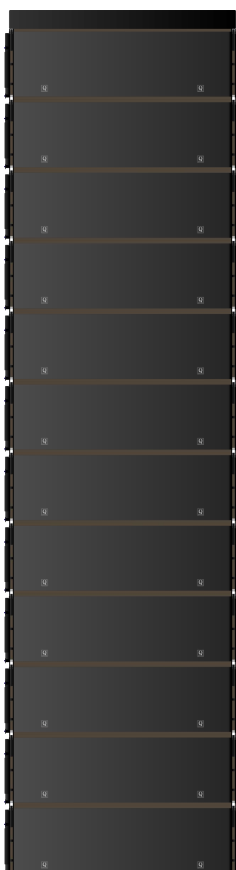


VDA-Rack x2

6 V12 + 4 VS28

Use combination - 3

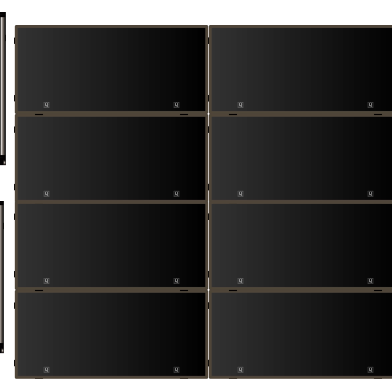
- 24 x V12 FOH
- 16 x VS28 Subwoofer
- 4 x VDA-Rack



12 V12 + 8 VS28



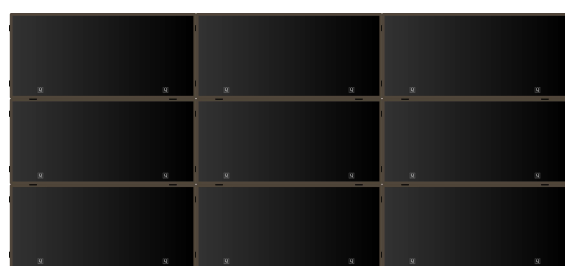
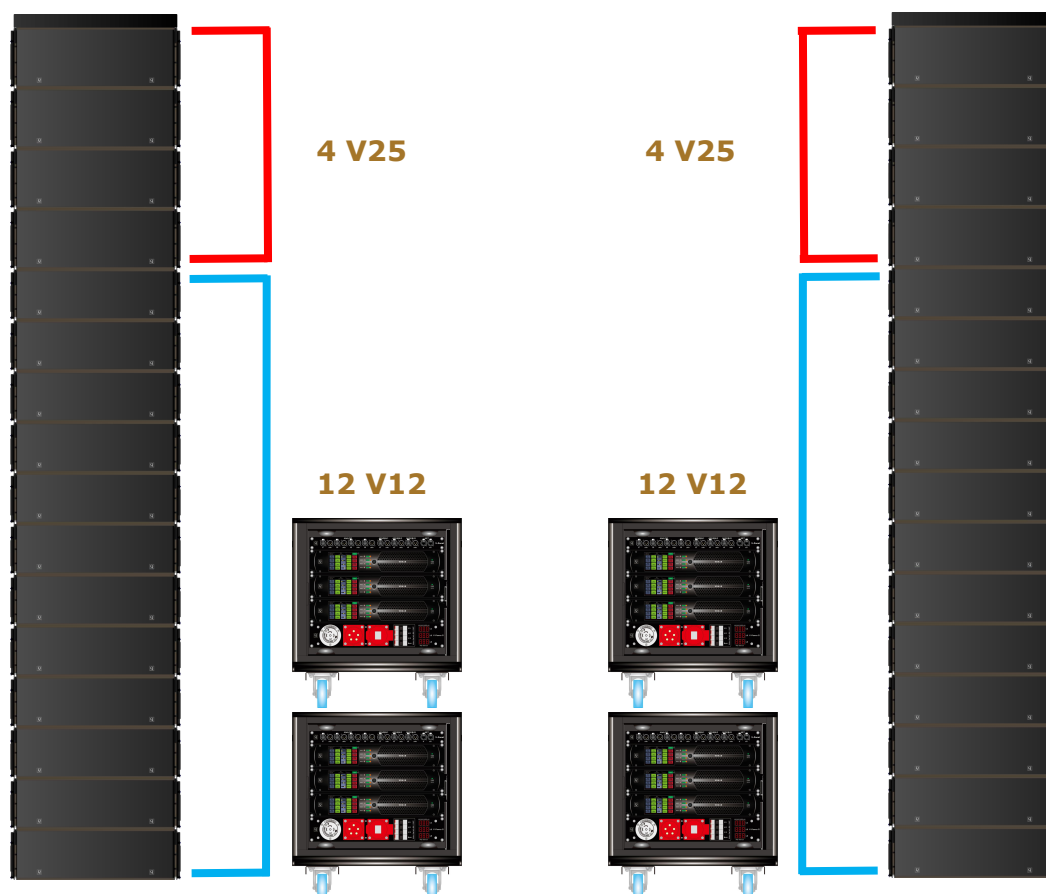
VDA-Rack x4



12 V12 + 8 VS28

Use combination - 4

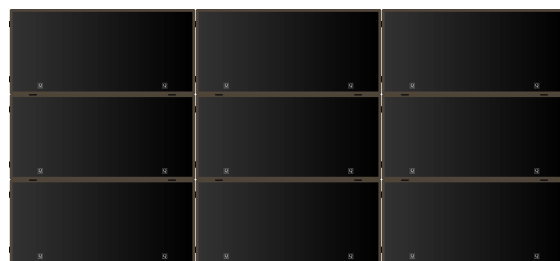
- 24 x V12 FOH
- 8 x V25 Fly Sub
- 18-24 x VS28 Subwoofer
- 6 x VDA-Rack



9-12 VS28



VDA-Rack x1



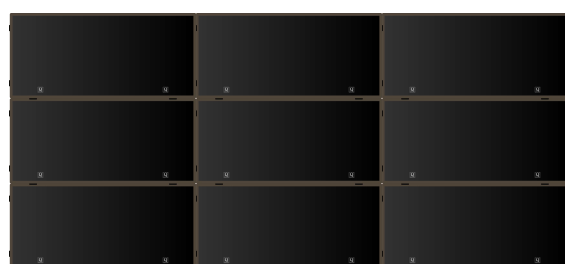
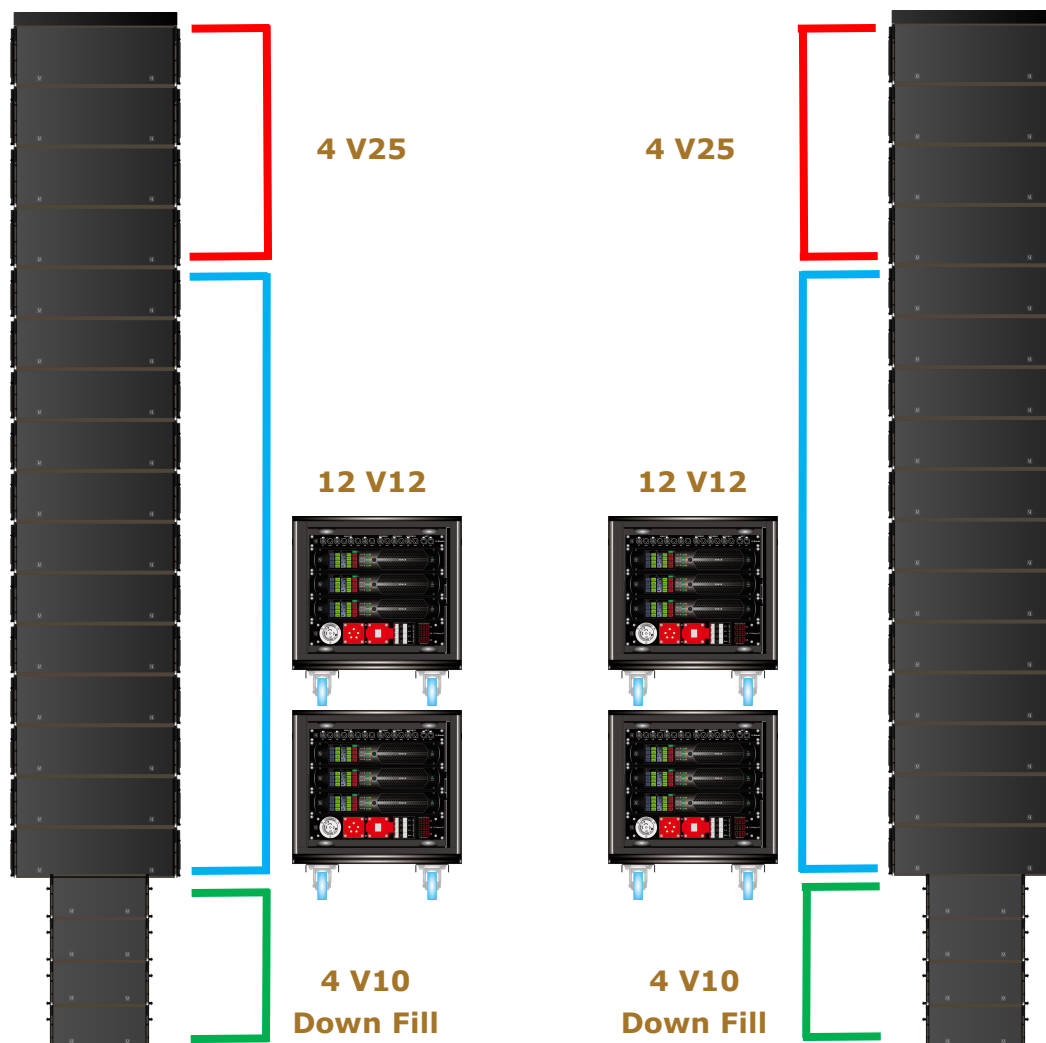
9-12 VS28



VDA-Rack x1

Use combination - 5

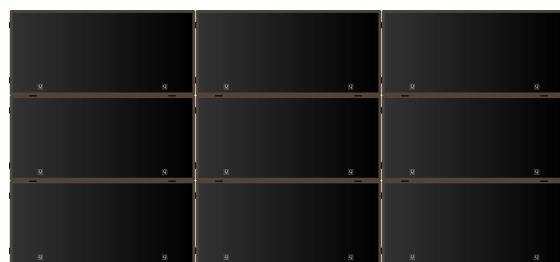
- 24 x V12 FOH / 8 x V10 DownFill
- 8 x V25 FlySub / 18-24 x VS28 Subwoofer
- 6 x VDA-Rack



9-12 VS28



VDA-Rack x1



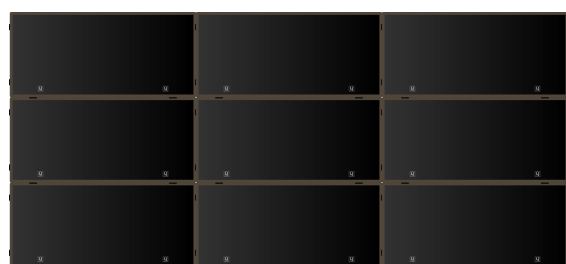
9-12 VS28



VDA-Rack x1

Use combination - 6

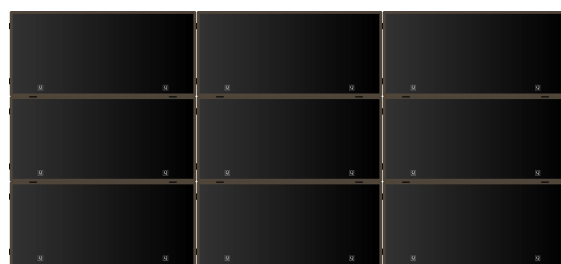
- 24 x V12 FOH
- 16 x V25 FlySub
- 18-24 x VS28 Subwoofer
- 6 x VDA-Rack



9-12 VS28



VDA-Rack x1



9-12 VS28



VDA-Rack x1

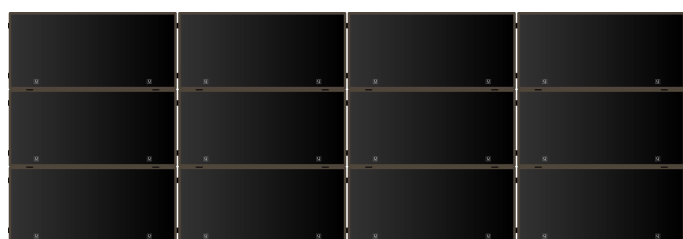
Use combination - 7

- 36 x V12 FOH
- 24 x VS28 Subwoofer
- 6 x VDA-Rack

V12



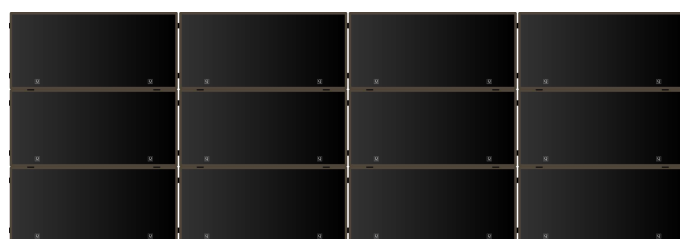
V12



12 VS28



VDA-Rack x1



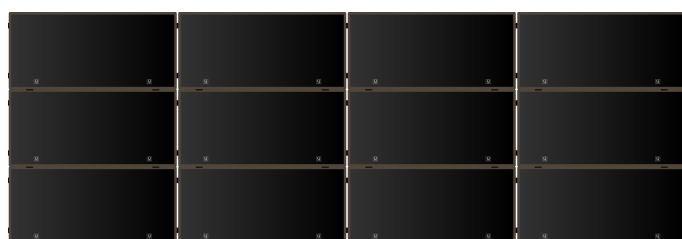
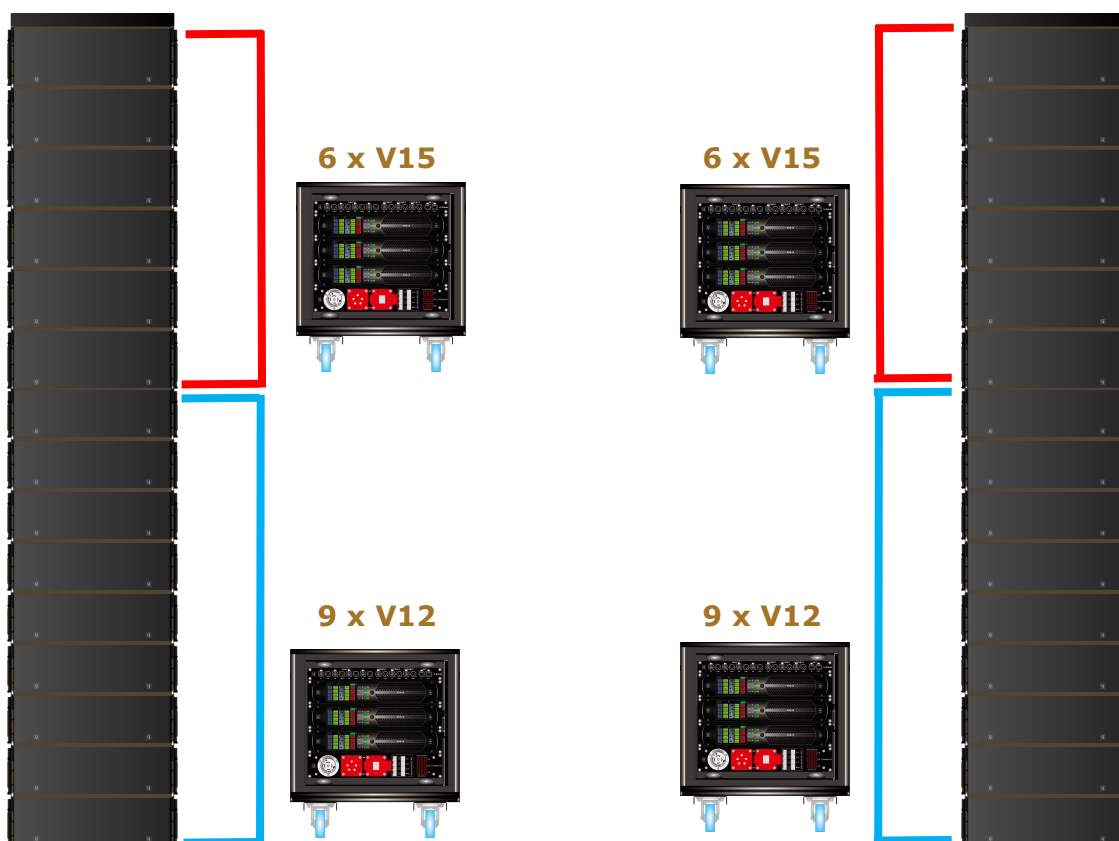
12 VS28



VDA-Rack x1

Use combination - 8

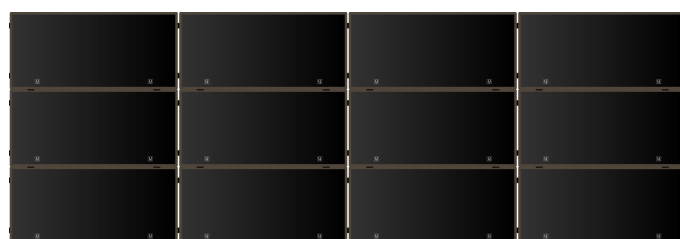
- 12 x V15 FOH(long)
- 18 x V12 FOH
- 24 x VS28 Subwoofer
- 6 x VDA-Rack



12 VS28



VDA-Rack x1



12 VS28



VDA-Rack x1