

Angel 2-way Passive Colinear Source

- **A series family - Lightweight**
- **137dB max SPL**
- **35m throw capability**
- **110° Horizontal coverage**
- **Plug and play**
- **VDA12 Controller**



Angel is a collinear source system suitable for medium distance applications. It is specially designed for professional sound reinforcement and high-end residential applications or multi-function requiring high fidelity and SPL, with better vision.

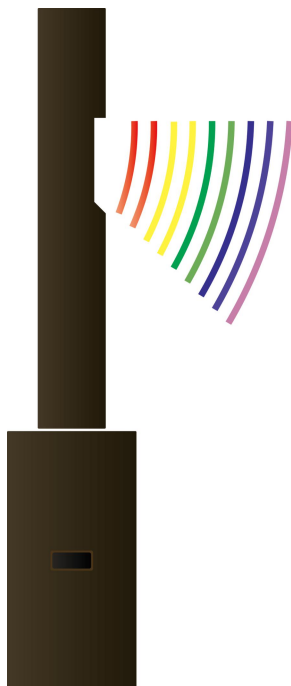
The angel has six 5-inch MF driver, providing an available bandwidth of 85Hz and three 1.75-inch HF diaphragm compression drivers, loaded by horns with J-shaped progressive curvature. This arrangement, called collinear source, can produce H / V $110^\circ \times 45^\circ (+ 0 / - 45^\circ)$ directivity, optimize ultra wide horizontal coverage and expand projection capability.

The AngelLow has two 12 inch subwoofers designed to provide low-frequency bandwidth expansion for the Angel system (low-frequency increase of 9dB and low-frequency lower limit of 40Hz).

Angel and AngelLow can be combined with VS28 subwoofer, which is designed for further system optimization, and the bandwidth can be extended to 25Hz.

Both subwoofers are equipped with L-shaped vents to improve low-frequency efficiency while reducing high levels of turbulence and port noise.

VDA12 amplifier controller has advanced functions, time calibration, linearization and unit protection.

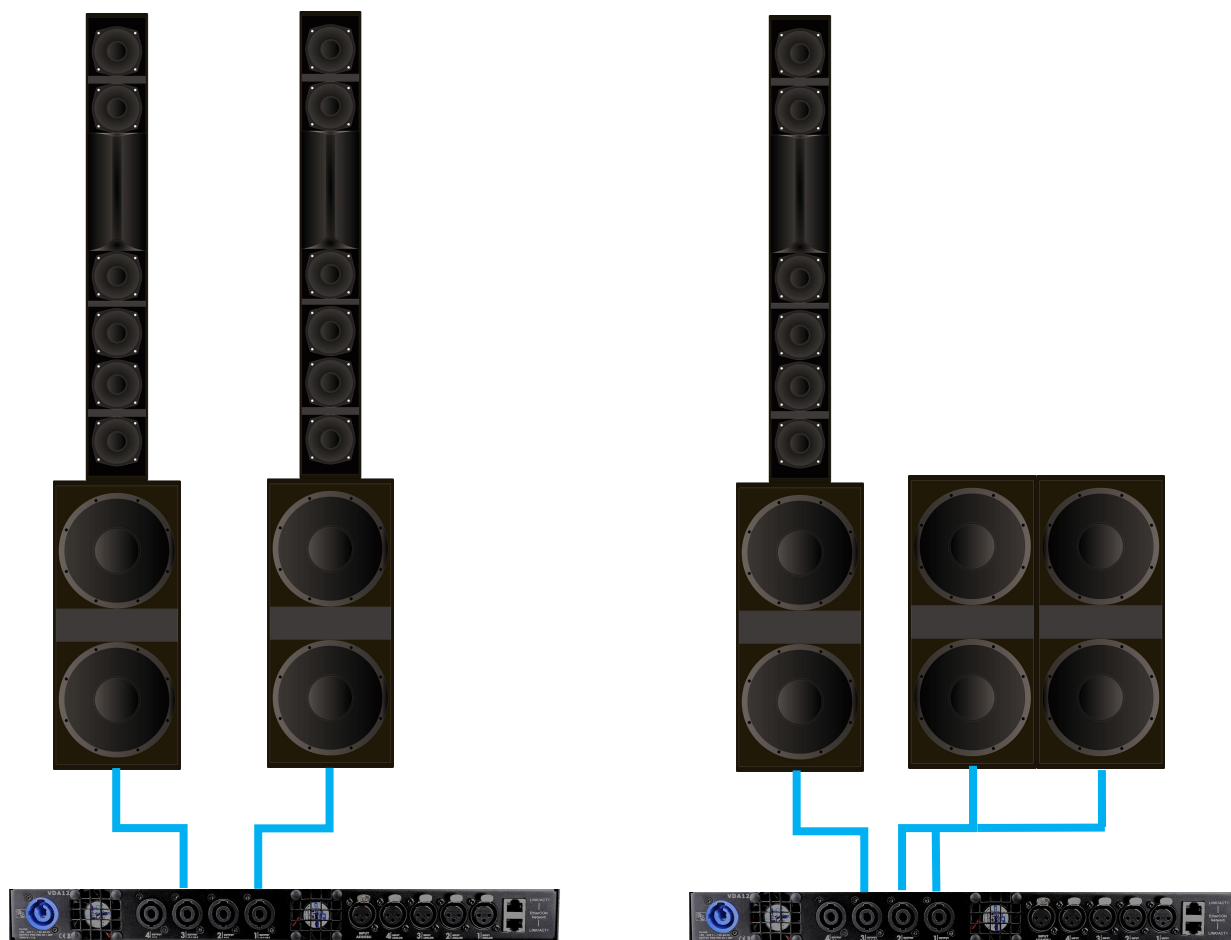


VDA12 Controller

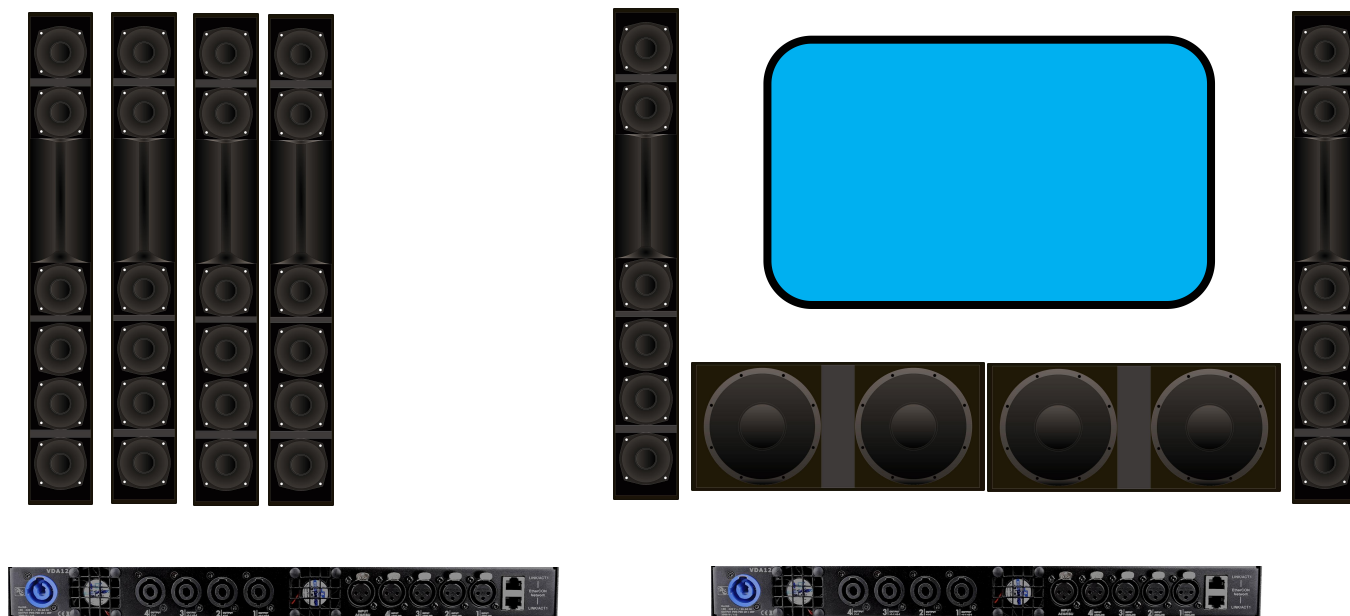


VDA12

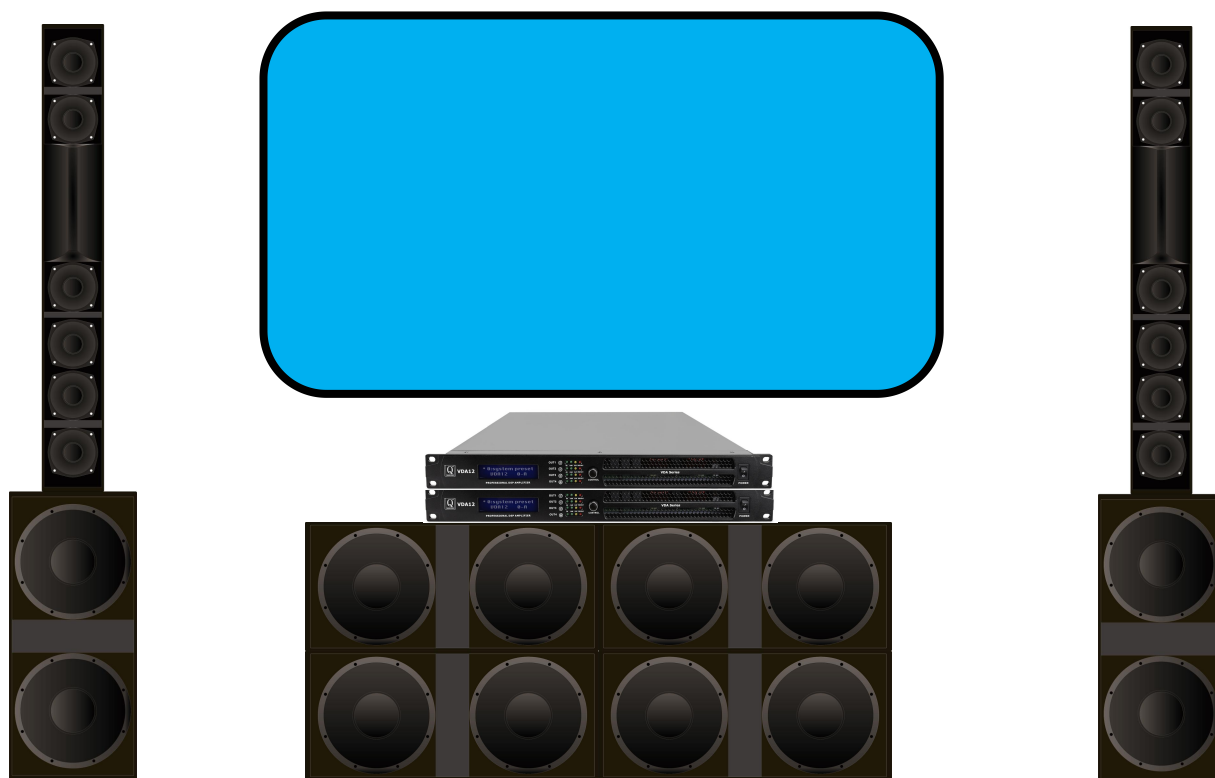
- 4 x 600W RMS 16Ω
- 4 x 2000W RMS 4Ω
- DSP engine is a 32-bit 96kHz sampling rate
- 4 x 4 matrix architecture
- QANON AUDIO 80 factory preset library
- 2 x RJ45 Network
- Power Supply 100 V - 240 V ~ ±10% , 50-60 Hz
- 4 x 1200W RMS 8Ω
- 4 x 2000W RMS 2.7Ω
- IIR and FIR filters
- up to 500ms delay I/O channel
- 2 x 20 LCDscreen
- up to 254 units monitoring
- Software VDA Controller



Product matching



Angel + Angellow + Sub (60Hz)



Angel Low

Angel Low: high power subwoofer

System bandwidth: 40 Hz - 20 kHz

Ratio of 1 Angel Low to 1 Angel

Preset : [AngelLow_100Hz]



Angel Low: infra subwoofer

System bandwidth: 25 Hz - 20 kHz

Ratio of 2 Angel Low to 1 Angel Low and 1 Angel

Preset : [AngelLow_60Hz]



Software and Network

- The design of complex systems is made possible by the integration of the VDA Controller Ethernet-based network. Thanks to its high speed data transfer protocol of 1 Gbit/s, up to 254 units can be controlled and monitored in real-time by the VDA Controller software. Multiple network topologies are quickly and easily configurable for full flexibility in the required system architecture.





Angel Technical Specification

Angel Technical Specification

Type	Passive 2-way Colinear source
Amplifier Recommend	VDA12
Frequency Response(Preset)	85Hz - 20kHz(-10dB)
Horizontal	110° (>1 kHz)
Vertical	0° / -35° in J shape (> 1 kHz)
Drivers	LF: 6×5" (Neodymium) HF: 3×1.75" (Neodymium)
Handling Power (AES)	LF: 480W HF: 150W
Maximum Peak SPL	137dB/1m
Nominal Impedance	LF: 8Ω
Connectors	2 x NL4 SpeakOn
Pin Connectors	IN = LF:+1-1 LINK = LF:+1-1
Height Front	1300mm
Height Back	1300mm
Width	170mm
Depth	210mm
Weight	18kg / 39.7lb

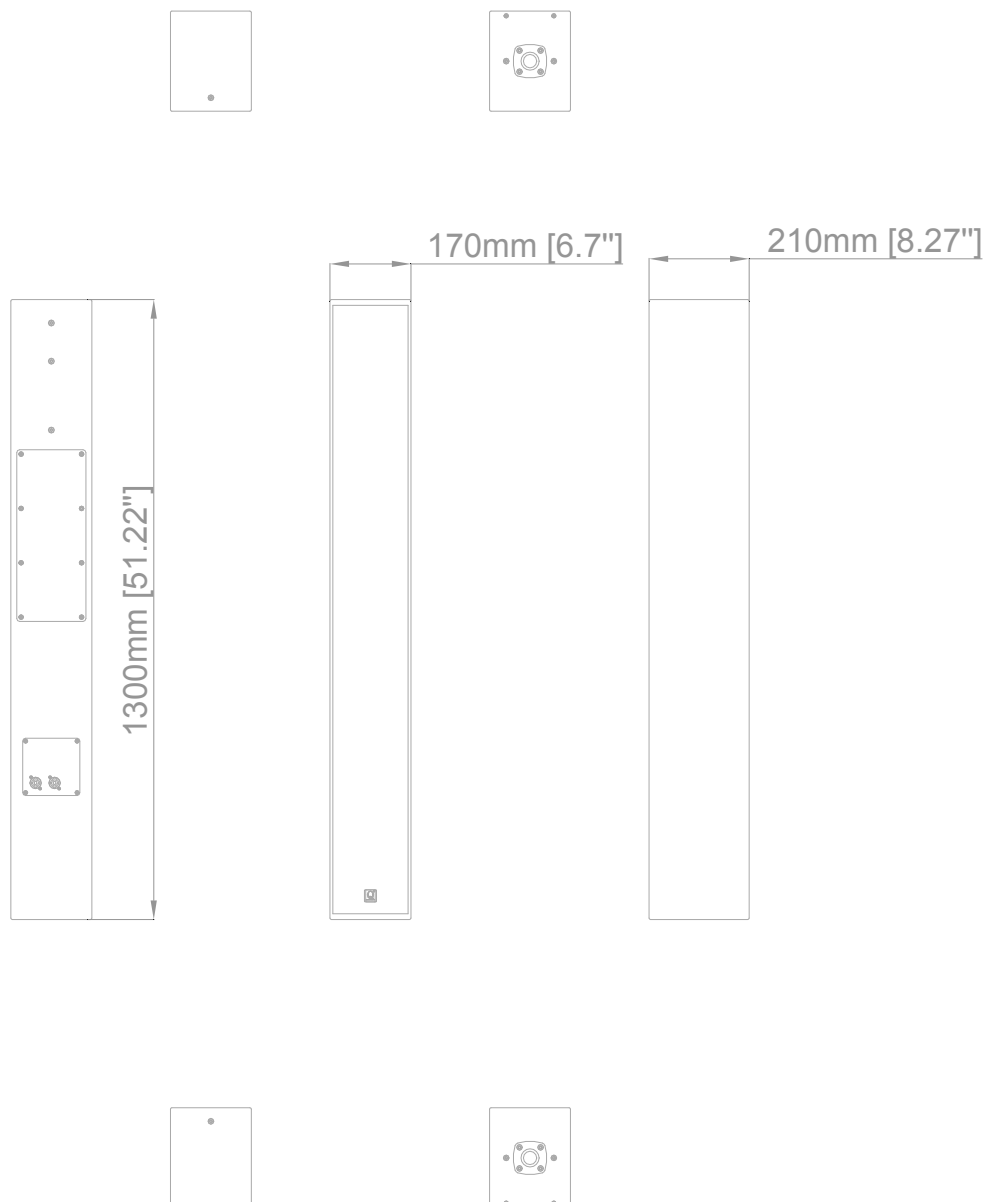
Rigging and Handling

Threaded	6x M6 threaded insert
Pole socket	1x 35mm Pole socket

Physical Data

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

Dimensions CAD





Angellow Technical Specification

Angellow Technical Specification

Type	Subwoofer
Amplifier Recommend	VDA12
Frequency Response(Preset)	40Hz - 200Hz(-6dB)
Horizontal	360°
Drivers	LF: 2×12" (Ferrite)
Handling Power (AES)	LF:1000W
Maximum Peak SPL	137dB/1m
Nominal Impedance	LF: 4Ω
Connectors	2 x NL4 SpeakOn
Pin Connectors	IN = LF:+1-1 IN = MF/ HF +2-2
Height Front	800mm
Height Back	800mm
Width	350mm
Depth	400mm
Weight	32kg / 70.5lb

Rigging and Handling

Handle	2 ergonomic handles
Threaded	8x M6 threaded insert
Pole socket	1x 35mm Pole socket

Physical Data

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

Dimensions CAD

