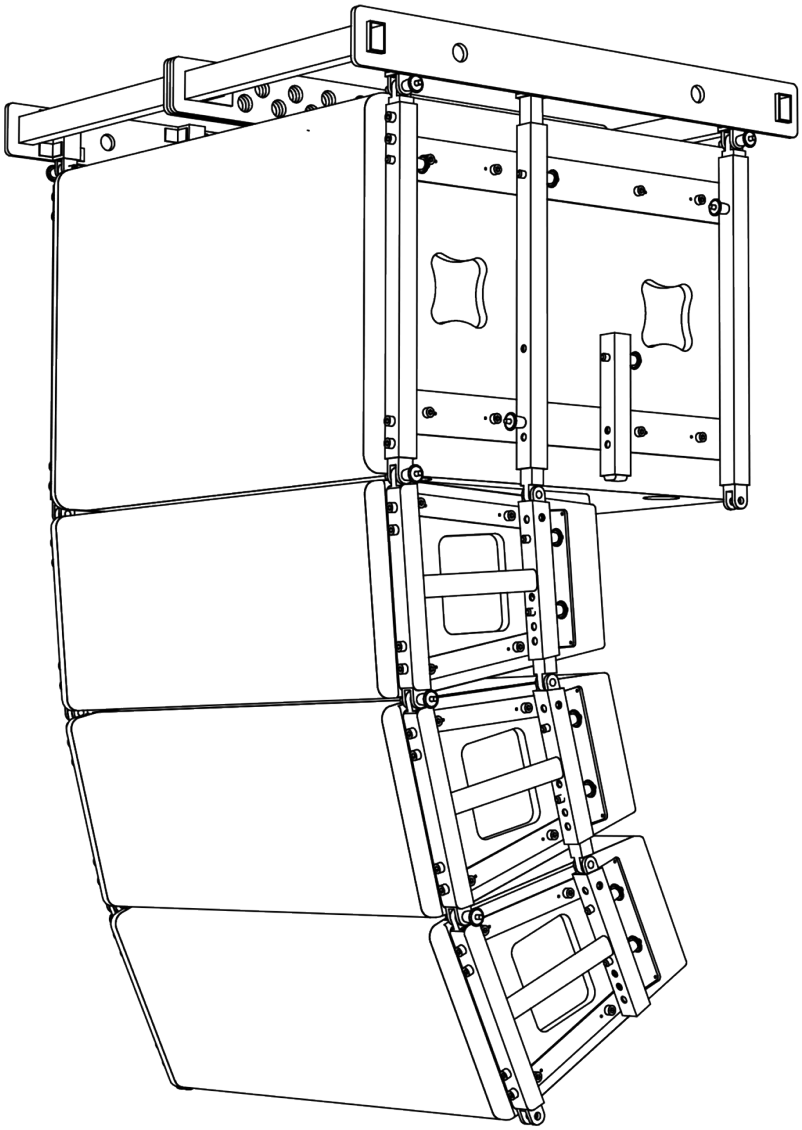
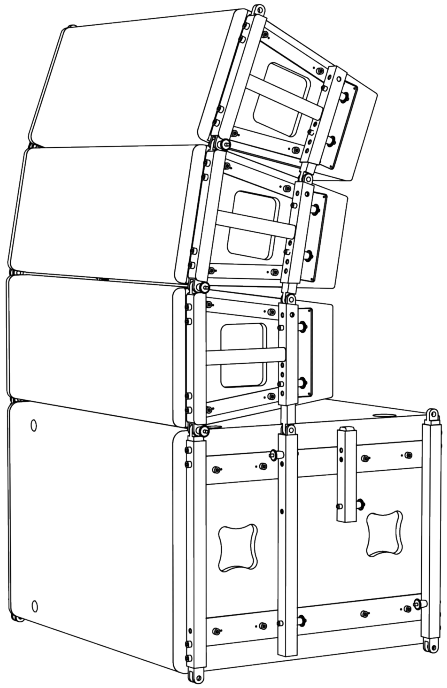


Wave line array

Specifications & rigging guide

CONTENTS

SYSTEM APPLICATION



Wave line array is designed as versatile solution for indoor as well as outdoor sound-reinforcement applications.

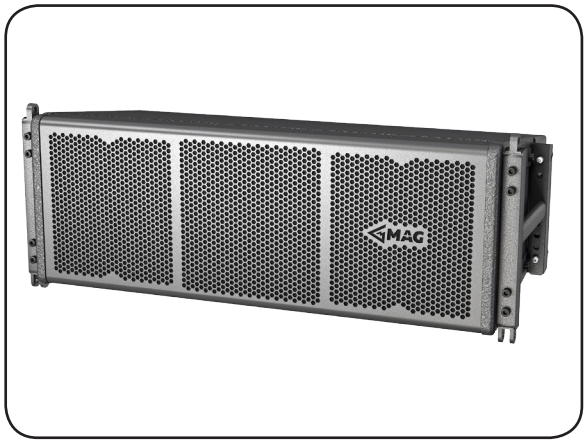
Wave line array is available with lots of rigging options. It can be installed as a ground stack or flying stack, with or without subwoofers.

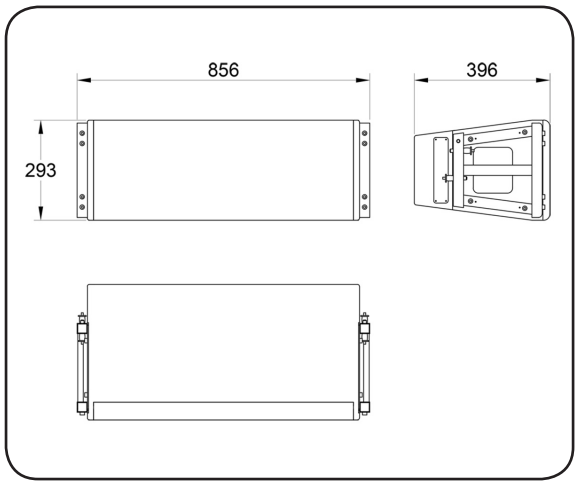
Wave 10's specialized internal 2,5 crossover network improves
low frequency output, whilst eliminating interference
in crucial mid-range and providing clear sound and long throw.

Wave Sub 18's hardware allows for creation of cardioid subwoofer arrays for even better control over sound for quality-sensitive installations.

Wave 10

Mid-sized line array module





Wave 10 is a multi-purpose line array module, based on two 10" woofers and 72 VC mm HF drivermounted on the cylindrical wave-forming waveguide. Integrated flying system allows for creation of flying riggs or ground stacks, with our without Wave Sub 18 subwoofers.

Type	Passive line array module
Acoustical & Electrical	
Frequency range (-10 dB)	60 - 18000 Hz
Max SPL (peak)	134 dB (calculated)
Sensitivity (1W/1m)	98,5 dB
LF Driver	2x10", M1041
HF Driver	1,5", M140
Nominal coverage HxV	110° x 15°
Impedance	16 Ohm LF, 16 Ohm LF-HF
Nominal power	900 W (450 W + 450 W)
Program power	1800 W (900 W + 900 W)
Peak power	3600 W (1800 W + 1800 W)
Connections & physical data	
Connectors	2x Neutrik Speakon
Dimensions (WxHxD)	856 x 293 x 396 mm
Net weight	40 kg
Shipping weight	45 kg
Mounting	Integrated flying hardware -2,5° - 15° Sply angle
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

Wave 10

Assembly guideline

Wave 10 are supplied with hardware retracked for ease of transportation.

Release Quick-Lock pins to let rear connectors fall down.

Consult the reference plaque on each side of a cabinet, choose the appropriate sply angle, and insert Quick-Lock pins to secure the connectors.

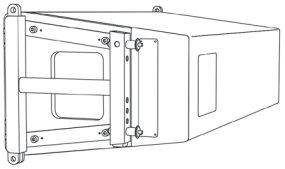
Attach the next cabinet and insert frontal Quick-Lock pins.

Choose the perfect sply anlge between cabinets, and secure connection with rear Quick-Lock pins.

! ATTENTION! Maximum of **eight** Wave 10 cabinets are allowed for flying stack!

Perform all the required signal connections.

1



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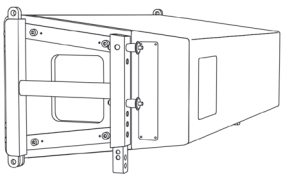

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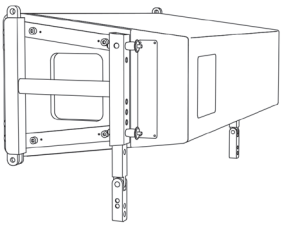

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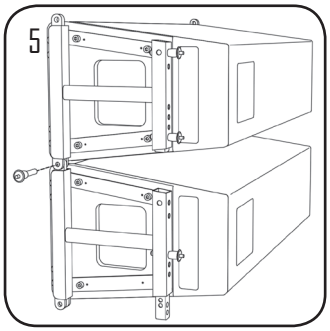

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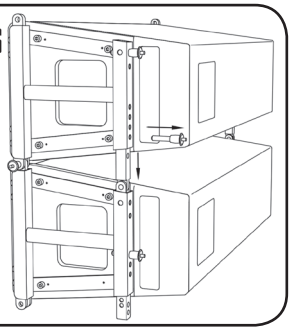
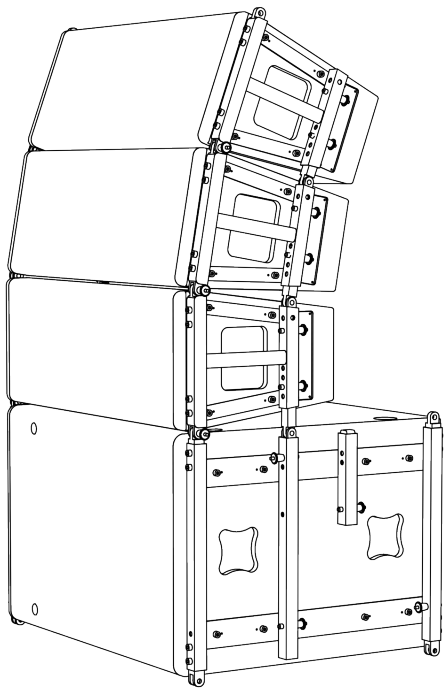
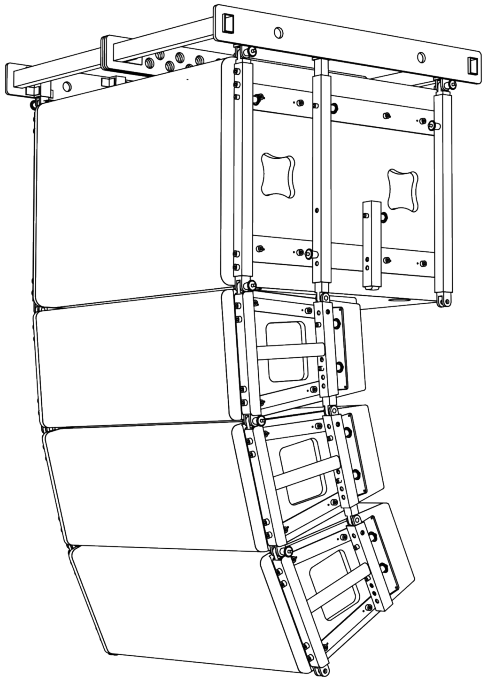


Installation options

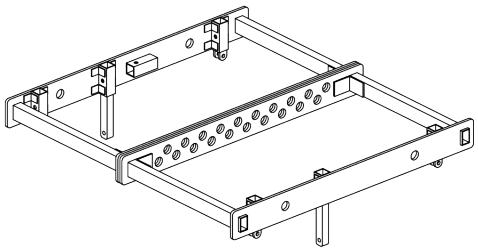


Ground stack

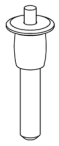


Flying stack

Accessories



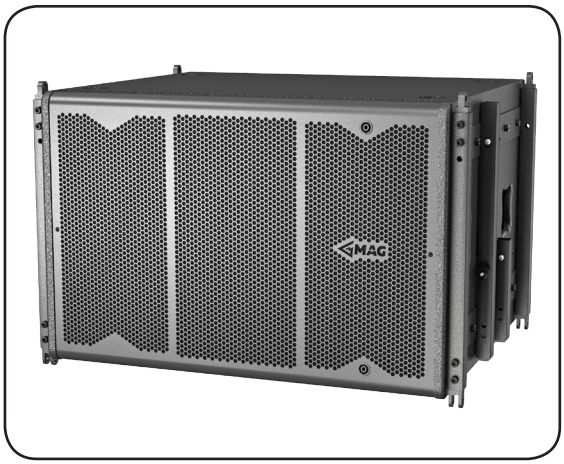
Flying frame



Quick Lock pin

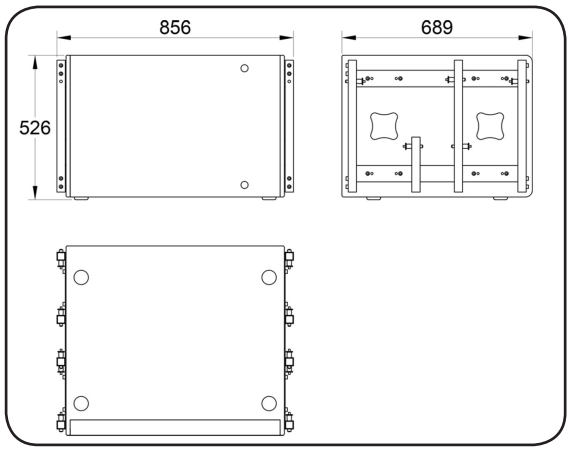
Wave Sub 18

18" line array subwoofer Wave



Wave Sub 18 were created specifically to reinforce Wave 10 line array modules in the lowest range of frequency spectrum. Based on powerful 18" long excursion driver, Wave Sub 18 delivers from as low as 35 Hz. Compatible flying hardware allows flying stacks or ground stacks with Wave 10.

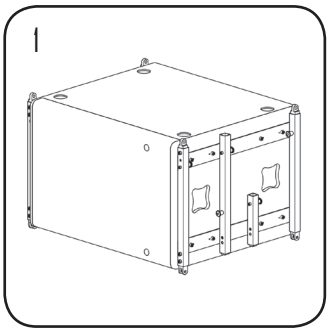
Type	Passive line array subwoofer
Acoustical & Electrical	
Frequency range (-10 dB)	35 – 120 Hz
Max SPL (peak)	134 dB (calculated)
Sensitivity (1W/1m)	98 dB
LF Transducer	18", M1805
Impedance	8 Ohm
Nominal power	1200 W
Program power	2400 W
Peak power	4800 W
Connections & physical data	
Connectors	2x Neutrik Speakon
Dimensions (WxHxD)	856x526x689 mm
Net weight	74 kg
Shipping weight	79 kg
Mounting	Integrated flying hardware
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black



Wave Sub 18

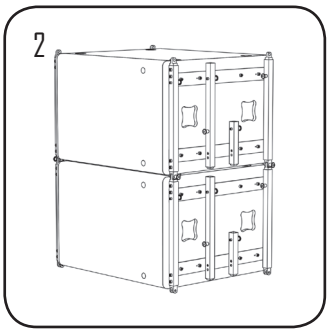
Assembly guideline

Attach two subwoofer cabinets on top of one another and secure connection with frontal and rear Quick-Lock pins.



Awesome Wave Sub 18's convertible hardware allows for creation of cardioid coverage pattern subwoofer arrays.

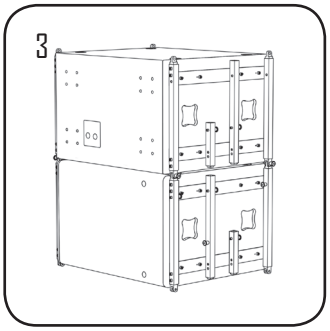
Just connect one of the subwoofers backwards, use Speakon® connectors on frontal grill for easy pluging-in.



Consult **Electrical connections** page of this specifications for cardioid electrical connections.

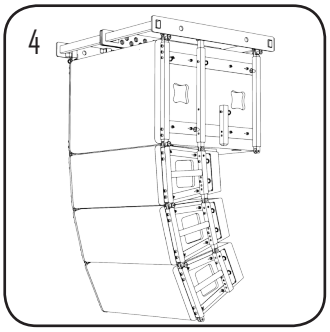
Connect lower Wave 10 module, insert frontal Quick-Lock pins.

Consult the reference plaque on both sides of Wave 10 cabinet while choosing the perfect angle for cabinet,



Secure connection by insert rear Quick-Lock pins.

! ATTENTION! Maximum of **four** Wave Sub 18 cabinets are allowed for flying stack!



Perform all the required signal connections.

Electrical connections

Wave line array is equipped with high quality Neutrik Speakon® connectors for easy and reliable performance.

Wave 10 array module is connected as 2,5-way system. It means one of the 10" cone speakers is reproducing low and mid frequencies, whilst the other is working at low frequencies only. Thusly, increased low frequency sound pressure is available, while clarity and accuracy in midrange is achieved.

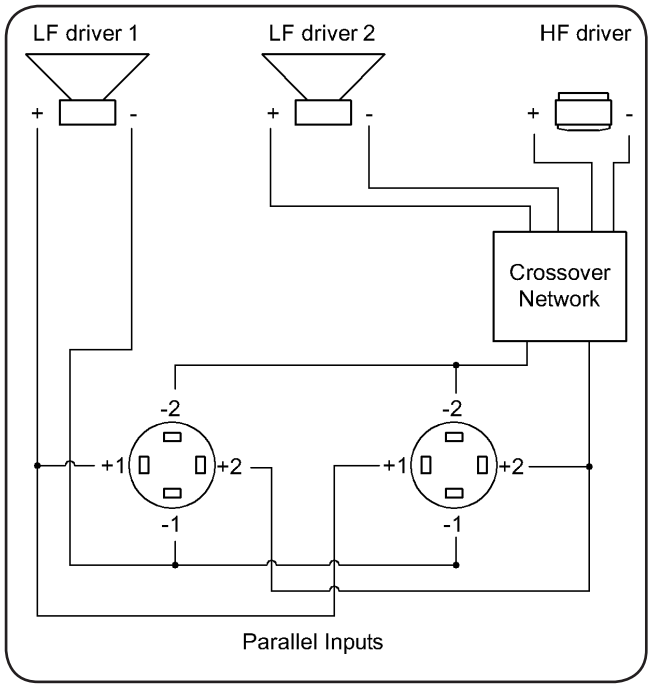
For **cardioid Wave Sub 18** connections, use four-wire Speakon - Speakon signal and connecting cables:

Pins 1+ 1+ on rear panels for original signal
Pins 2+ 2- on front grill connector for inverted delayed signal.

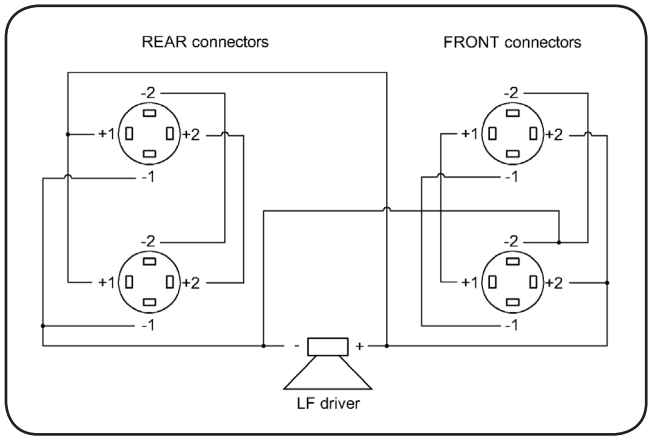
Recommended delay for inverted delayed channel is 4,6 ms.

Wave line array connections & recommended crossover :

Wave 10		
	Connection pins	Recommended X-over
LO	+1 -1	HPF 100 Hz LR 24 dB/oct LPF 400 Hz BS 12 dB/oct
LO-HI	+2 -2	HPF 100 Hz LR 24 dB/oct LPF Bypass
Wave Sub 18		
	Connection pins	
SUB	+1 -1 rear	HPF 30 Hz BW 24 dB/oct LPF 100 Hz LR 24 dB/oct
SUB cardio	+2 -2 front	HPF 30 Hz BW 24 dB/oct LPF 100 Hz LR 24 dB/oct



Wave 10 internal wiring diagram



Wave Sub 18 internal wiring diagram