



WEATHERPROOF
LOUDSPEAKER LINE
ARRAY SYSTEM
WP SERIES

AV ELECTRONICS MARKETING SDN BHD

www.iva.com.my



WP Line Array System Series is a non-commercialize and custom made line array system series model from IVA. It consist of a flagship double 12" WP-212LA, double 10" WP-210LA, double 8" WP-208LA, flyable subwoofer WP-118BLA and long throw subwoofer WP-219B. These weatherproof elements in the WP Line Array System series are aimed to fulfil demand of project or venue that require an outdoor loudspeaker system that able to withstand the harsh sunshine and tropical monsoon season in Malaysia. WP series line array system is custom made with anti-corrosion, anti-riot sun and waterproof coating paint for protection from the sun and rain. The screws, aviation plug connectors and woofer are coated with waterproof coating. WP series line array system is based on "order to manufacture" basis and the lead time will take about 90 days for production schedule and delivery. The WP series together with DPM power amplifier are the brawn of the entire outdoor audio system while IVA digital loudspeaker management is the brain of the system.



WEATHERPROOF CAPABILITY

- Custom make loudspeaker with Anti-Corrosion, Anti-Riot Sun & Waterproof Coating Paint
- Screw, internal cabinet, internal crossover, internal cables, tweeter & Woofer coated with waterproof coating
- Professional aviation plug connectors



Anti-Corrosion, Anti-Riot Sun
& Waterproof Coating Paint



Screw, internal cabinet,
internal crossover, internal
cables, tweeter & Woofer coated



Professional aviation
plug connectors

The BRAWN!

WP Series is locked and loaded with plenty of muscle to flex for any demanding outdoor sound reinforcement need. All cabinets are built with industry standard birch plywood for ultimate speaker cabinet quality and its 18mm thickness is above the norm thickness of 15mm. The ground stack subwoofer come with a whopping 25mm birch plywood thickness. These extra thickness is essential to enable high quality sound reproduction as it held the cabinet structure rigidly without deformation under high sound pressure scenario. The 2 units of 3" Neodymium compression driver couple with IVA horn waveguide technology in the WP-212LA enable a concentrated, narrow 10 degree vertical dispersion and long throw capability of the audio high frequency. The flagship line array WP-212LA able to achieve an immense sound pressure level, clocking a Max SPL of 143 dB. The coupling subwoofer WP-219B is an extremely powerful long throw subwoofer that perfectly match the line array. It pushes the limit of the law of physics with design engineering by achieving 143 dB max SPL with its double 19" woofer and its 5" voice coil. The flagship system aims for extreme venue such as long distance coverage in open field but if a dialled down version is needed, the WP-208LA WP-210LA and WP-118BLA system are available to fulfil that need. Such powerful system need plenty of power and the IVA DPM series power amplifier provides enormous energy needed to drive the system dynamically.



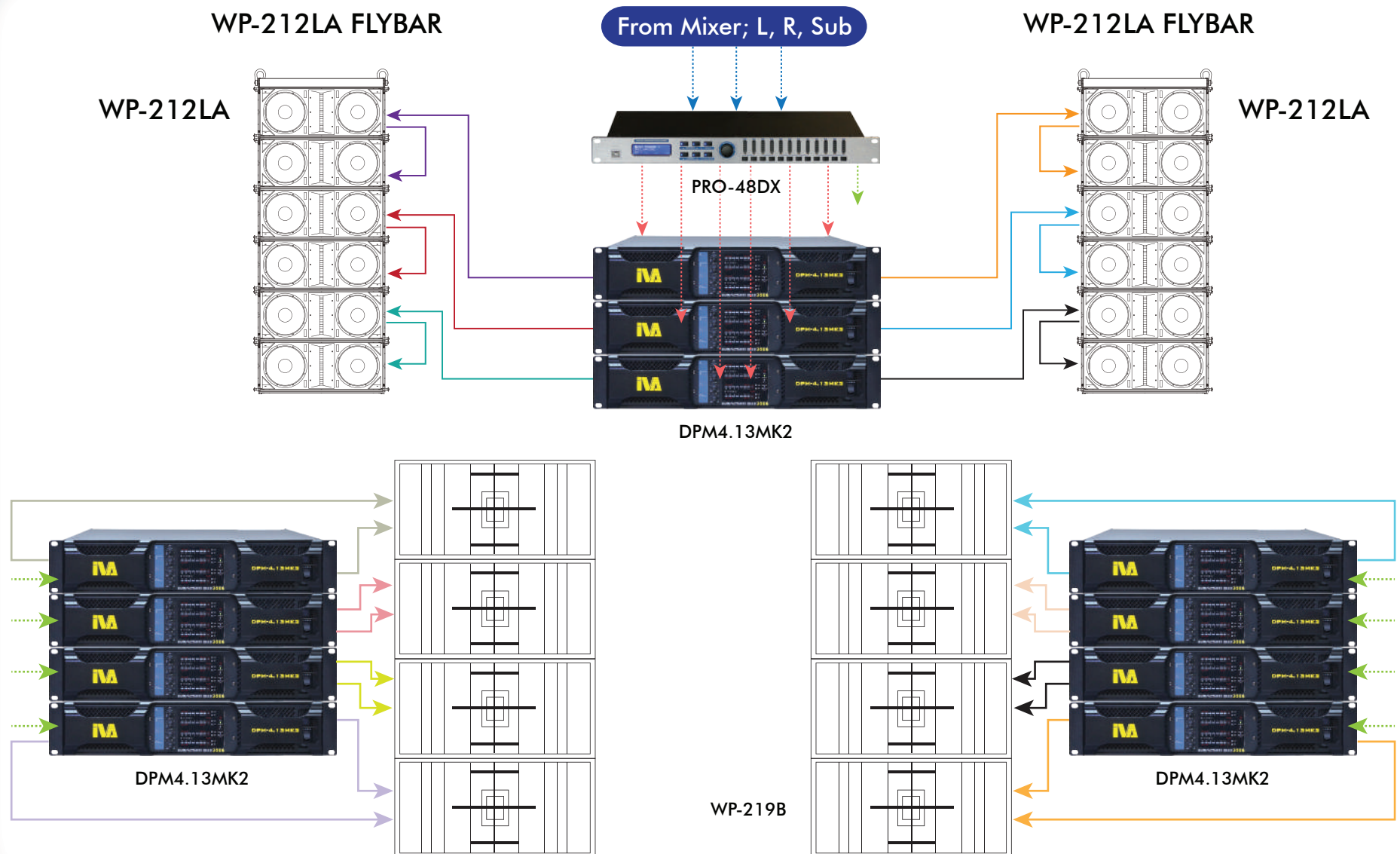
The BRAINS!

An optimized audio system will bring out full potential of a system. IVA PRO-DX Series Digital Loudspeaker Management provide high accuracy, responsive and high fidelity audio signal management for corrective setting, venue-specific correction, over-voltage protection.



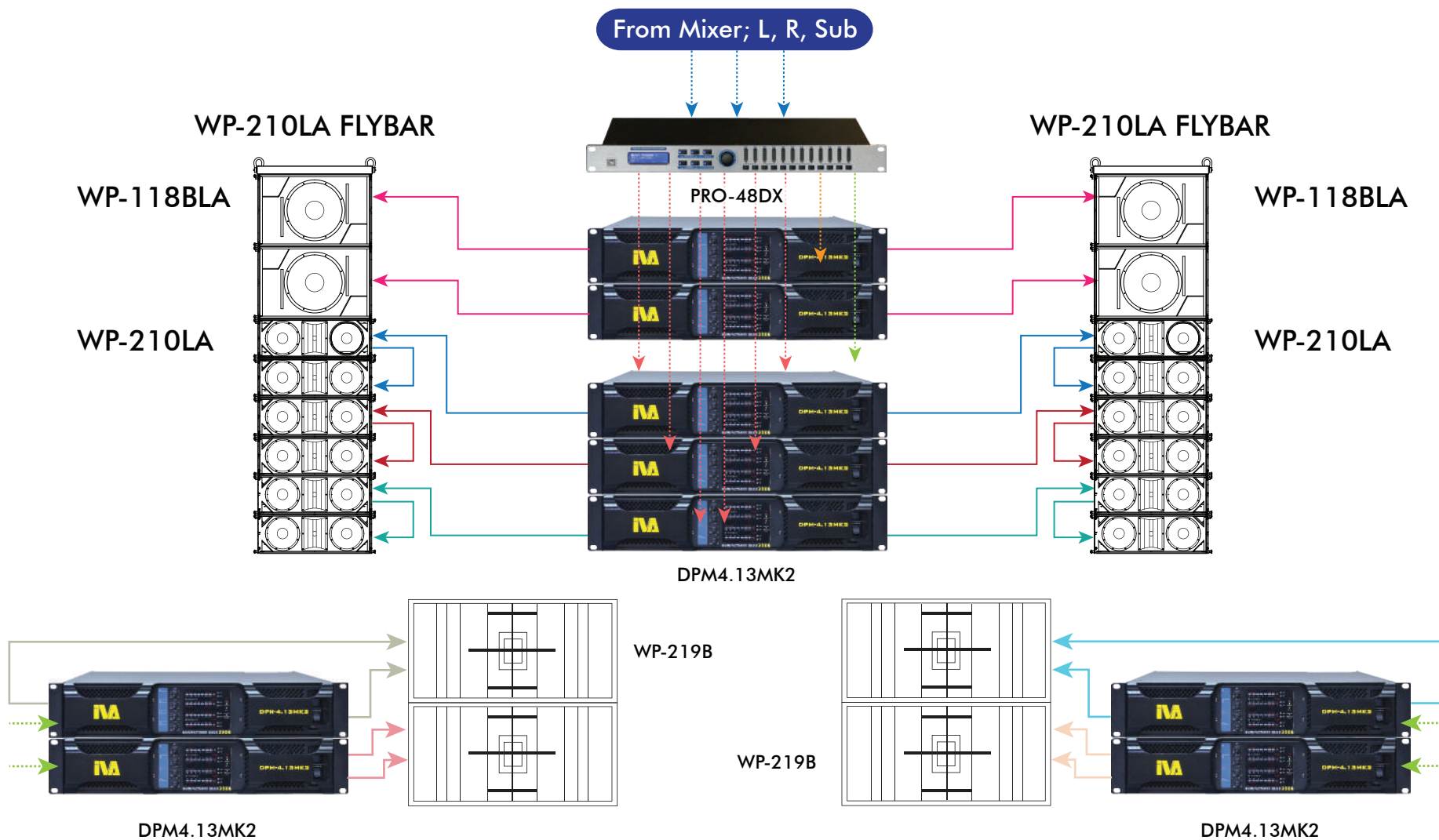
BEST COMPATIBLE SYSTEM

WP-212LA + WP-219B



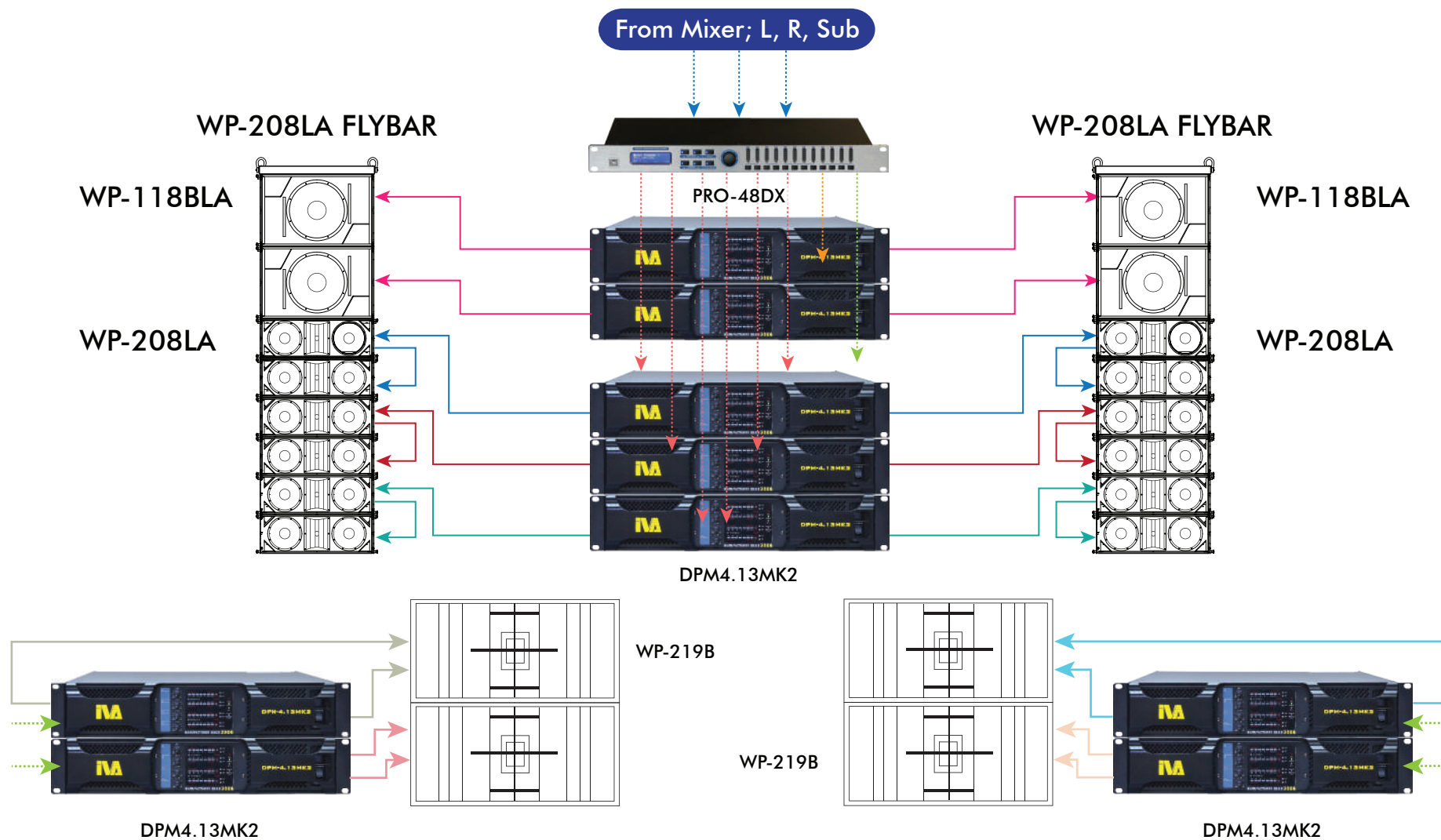
BEST COMPATIBLE SYSTEM

WP-210LA + WP-118BLA + WP-219B



BEST COMPATIBLE SYSTEM

WP-208LA + WP-118BLA + WP-219B

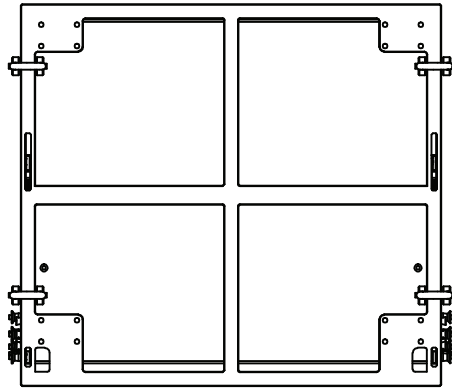


SPECIFICATIONS

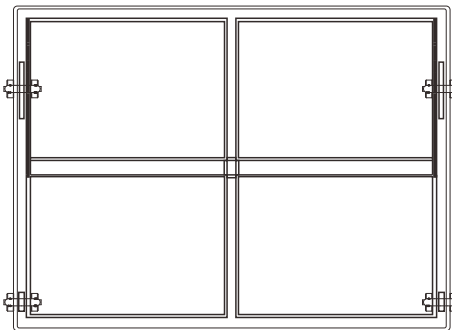


Model	WP-208LA	WP-210LA	WP-212LA	WP-118BLA	WP-219B
System Type	Passive Weatherproof Line Array System			Passive Weatherproof Fly Subwoofer for WP-210LA	Passive Weatherproof Long Throw Subwoofer
Woofers	2 x 8" 2" Voice Coil	2 x 10" 2.6" Voice Coil	2 x 12" 3" Voice Coil	1 x 18" 4" Voice Coil	2 x 19" 5" Voice Coil
Tweeter	1 x 3" Compression Driver	1 x 3" NdFeB Compression Driver	2 x 3" NdFeB Compression Driver	N/A	
Speaker Connection	1 + 1-	1 + 1-	1 + 1-	1 + 1-	1 + 1- (R) , 2 + 2- (L)
Frequency Response (± 3 dB)	60 Hz – 20 kHz	55 Hz – 20 kHz	45 Hz – 20 kHz	35 Hz – 300 Hz	35 Hz – 300 Hz
Dispersion (H x V)	100° x 10° (depends on the specific configuration quantity of linear array)			Omni Direction	
Handling Power	500 Watt RMS	700 Watt RMS	800 Watt RMS	600 Watt RMS	1000 + 1000 Watt RMS
Music Power	1000 Watt	1400 Watt	1600 Watt	1200 Watt	2000 + 2000 Watt
Peak Power	2000 Watt	2800 Watt	3200 Watt	2400 Watt	4000 + 4000 Watt
Impedance	8 Ohm				8 + 8 Ohm
Sensitivity	104 dB	107 dB	108 dB	100 dB	104 dB
Maximum SPL	135 dB	141 dB	143 dB	134 dB	143 dB
Suspension	WP-208LA Flybar	WP-210LA Flybar	WP-212LA Flybar	WP-210LA Flybar	Ground Stack
Wood	18mm birch plywood	18mm birch plywood	18mm birch plywood	18mm birch plywood	25mm birch plywood
Dimension (W x D x H)	870 x 435 x 299.3 mm	870 x 435 x 299.3 mm	930 x 485 x 369.3 mm	870 x 720 x 550 mm	1166 x 923 x 581 mm
Weight	32 kg	37 kg	81 kg	61 kg	100 kg
Packaging Dimensions (W x D x H)	N/A	N/A	N/A	N/A	N/A
Packaging Weight	N/A	N/A	N/A	N/A	N/A

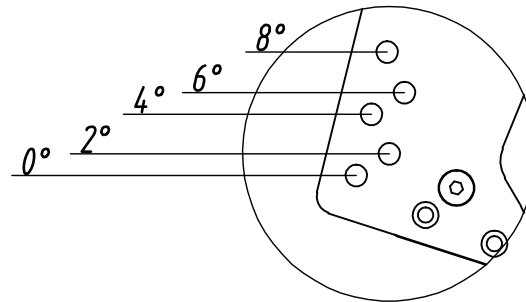
MISC



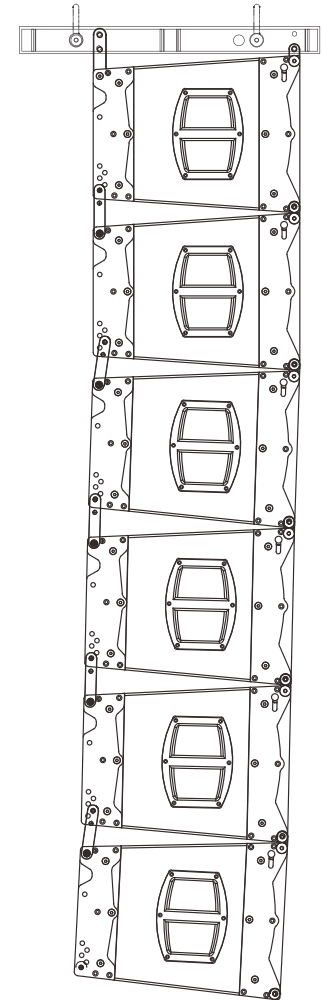
WP-208LA/WP-210LA Flybar



WP-212LA Flybar



Cabinet Angle



Side View