

GAE WaveLine Pack

The new WaveLine Pack is a twin-coaxial and extremely tight designed array unit with a vertical opening angle of 30° and a horizontal directivity of 110°. This axial symmetrical setting provides an optimum to solve numerous sound challenges.



Based on the experiences of the *twin-coaxial*-principle applied in the GAE-WaveLine- and WaveLine-PT-systems, WaveLine Pack provides the well-known exact symmetrical dispersion.

From the acoustical experiences based on the WaveLine-PT system the dynamics concept could be proven without any limitations. Therefore the logical consequence was the downsizing to a compact stand-alone unit. Maintaining the same high efficiency and dynamic standard, a new "simple-to-handle" system could be achieved.

The enormous acoustical capacity together with excellent high dynamics enable a usage of simply one unit per side as FOH system or as nearfill within large WaveLine- or WaveLine-PT applications.

The nominal impedance of 6 ohms for the low/mid and high range performs an optimal load for the driving power amplifier, even for the usage of two parallel systems at each channel.

The extraordinary compactness of WaveLine Pack is realized by an extremely tight constructive alignment of the six 6,5" low/mid and the three 1,4" compression drivers.

Furthermore the combination of six 6,5" Neodymium transducers of the low-/mid range, each incorporating an 1,5" voice coil, allows a low crossover frequency. Therefore the WaveLine Pack System is suitable for full range use in special applications. High efficiency Neodymium magnets will make a extremely convenient power/weight ratio.



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In respect to the special demands of installation the appearance was designed understated and reluctant, mechanical parts were reduced to a minimum.



The elegant optical appearance reflects the highest quality performance of the complete system. Therefore the system is suited for Gala-applications, fixed installations or in general for usage in sensitive surroundings. A special finish or colour for fixed installation is possible on request.

The system was designed as a compact single unit to enable a precise acoustical irradiation within complex acoustical and constructional environments.

The GAE HF-Phase-EQ coupled to a high power 1,4" Neodymium-driver achieves an accurate and highly exact sound transmission in the high-tone range, which results in an extended high frequency bandwidth. As the technical construction enables a low crossover frequency between the high and low-mid range, the horizontal dispersion behaviour of the WaveLine Pack was optimized.

The orientation to the best possible road capability is demonstrated in the sophisticated method of loudspeaker alignment as well as in the elaborated mounting parts and optional rigging assemblies.

Ergonomically designed handles at the top and bottom sides pander to a simple erection of the WaveLine-Pack-systems.

By means of GAE's system setups for modern digital controllers WaveLine Pack presents an outstanding powerful PA-sound reinforcement system, which is plug and play easy to use, but also a unique product in respect of flexibility, compactness, operational reliability - by consideration of highest standards of sound!



GAE WaveLine Pack's total performance represents the currently highest state of sound technology.

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The mounting bracket construction enables either a direct assembly on bass systems or a usage as flying rigging yoke. A metal-to-metal-design guarantees highest safety standard.



Mounting the unit in fixed installations the locking handles can be replaced by metric screws. The heads of the screws can be covered nearly invisible with black or coloured plastic caps.

For a gentle mobile application flight cases for one or two units are available.

The threaded mounting flanges within the side walls of the housing are optically restrained. The complete handling is simple and optimized.



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Technical Specifications GAE WaveLine Pack

Type	2-way full-range twincoaxial curved array-system, vented/hornloaded
Frequency response	80Hz – 18kHz (+/- 3dB) with controller
Power handling capacity	
Low-Mid frequency range	900W IEC norm 268-5 (39,5dBu) 1800W program power (42,5dBu) 2500W peak power (44,0dBu)
High frequency range	210W IEC norm 268-5 (33,2dBu) 420W program power (36,2dBu) 600W peak power (37,8dBu)
Impedance nominal	LMF 6 ohms, HF 6 ohms
Recommended input power	LMF 1000 – 2000W into 8 ohms (1500W-3000W into 4 ohms) HF 400 – 800W into 8 ohms (400W-1000W into 4 ohms)
Dispersion	horizontal 110° symmetrical; vertical 30°
Sensitivity	LMF 101dB (2,45V / 6 ohms - 1m) HF 114dB (2,45V / 6 ohms - 1m) loudest octave band 110dB broad band, dispersion 30°x110°
Program SPL	LMF 133,5dB (1800W - 1m) HF 136,0dB (420W - 1m), limit. 10% dist. 130dB
Peak SPL	LMF >135dB (2500W - 1m) HF 138dB (600W - 1m), limit. 10% dist. 130dB
Components	6x 6,5" N/Dym, 1,5" voice coil, water-resistant; 3x 1,4" N/Dym compression driver, 3" voice coil
Connectors	2x Neutrik NL4 Speakon, LMF: 1+/1-, HF: 2+/2-
Rigging/Fittings	4 handling recesses; 6x (3 per side) M10 threaded flanges for mounting yoke. 2x M8 at the back for tilting purposes (e.g. eyebolt)
Enclosure	multi-layered birch-ply 15/18mm
Sealing	polyurea varnish, non-abrasive
Colours	standard black, equivalent to RAL9005, other colours (only in polyurethane sealing) on request
Front protection	solid stylish front grill, covered with acoustic foam
Weight	39,0kgs
Dimensions	610/390 x 500 x 455 (mm), H(front/back) x W x D
Subwoofer	GAE BR115; BR215; BR118; BR218
System Controller	setup settings for modern digital controllers full range use; use with low extension
Optional accessories	mounting yoke, flight case

Recommended Subwoofer:



GAE BR215



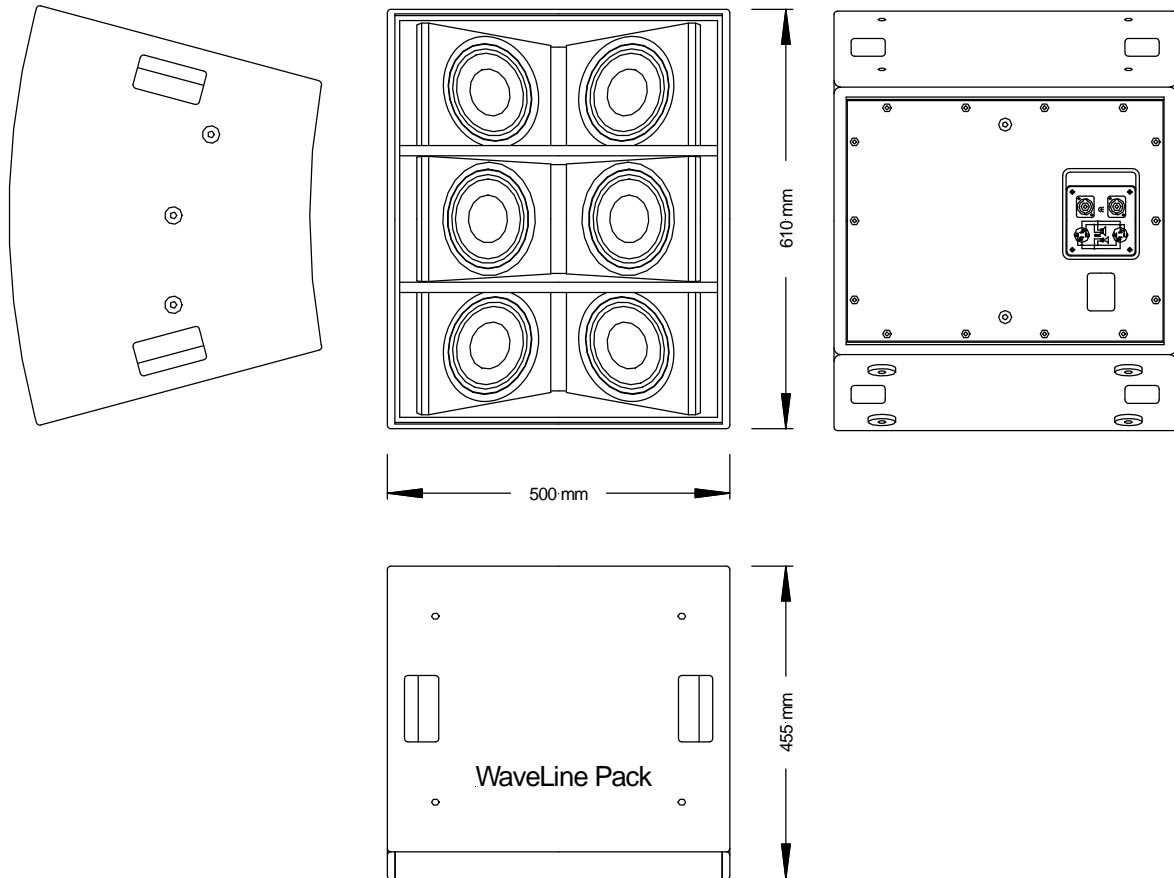
GAE BR118



GAE BR218

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Technical drawings GAE WaveLine Pack



Recommended plugs: Neutrik Speakon Type NLT 4 FX.
Recommended cable: H07RN-F 4x2,5mm² / www.schulz-kabel.de.