

IWAC210



AT A GLANCE

- Real 700W+130W RMS power capacity (8 hours pink noise)
- For audiences up to 30,000 persons
- Up to 16 speakers per array with 10 times safety standard
- Premium custom made European drivers
- Aquaplasted TC4 diaphragm for ultra smooth HF reproduction
- Proprietary Isophase wave-shaping acoustic lens
- Touring grade black textured finish

APPLICATIONS

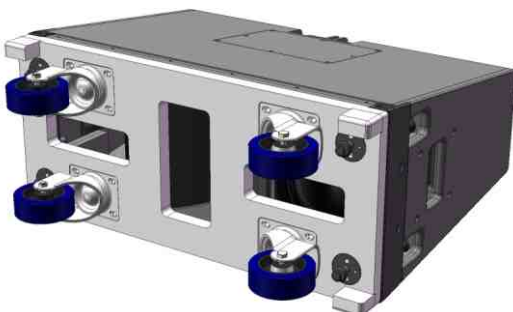
IWAC210 line source speaker system is suitable for near to far field main PA reinforcement in line array topology with subwoofer for mobile and permanent installation. Suitable in situations like:

- FoH
- Live show
- Multi-functional room
- Auditorium and Theatre
- Sport center
- House of worship

SPECIFICATIONS

Power handling (50~15000Hz pink noise 8 hours)	700W RMS LF + 110W RMS HF/1400W + 220W Program, 2800W+440W Peak
Nominal impedance	8 Ohm LF, 16 Ohm HF
Frequency response (-6dB half space, no EQ)	50~18000Hz with full range preset
Manufacturing Consistency tolerance	±2dB from 300 to 10000Hz
Average Sensitivity (wideband 200~16000Hz)	99dB/W/m on LF, 109dB/W/m on HF
Calculated Maximum SPL / 1m	130dB continuous / 133dB Program, 136dB Peak
Nominal Directivity (-6dB)	100° H x 15° V per cabinet (total vertical directivity depends on the array setup)
Recommended low cut filter	80-120Hz 24dB/oct with subwoofer
Low Frequency driver	Custom made 2x10" CELTO Acoustique Neodymium magnet, 2.5" In/Out Voice coil
High Frequency driver	1.4" exit CELTO Acoustique Neodymium magnet, 3.5" TC4 diaphragm with PEN surround
Crossover	Bi-amp mode only with external DSP processor 1000Hz, 24dB/oct on LF and HF
Flying hardware	Integrated aluminum rigging system
Connectors	2x NEUTRIK Speakon® NL4MP (1+/- LF Input, 2+/- HF Input)
Floor Monitor use	No
Pole mount	Yes with mounting adapter
Cabinet	CNC made with tongue and groove assembly 18 and 15mm premium outdoor grade Finnish WISA birch plywood
Finish	Touring grade black textured coating
Size (WxHxD)	700x305x465mm
Weight	26kg net, 30kg gross

IWAC210 with wheelboard





AT A GLANCE

- Real 1200W RMS power capacity (8 hours pink noise)
- Premium 18" Neodymium driver with ± 11 mm linear Xmax
- Triple forced cooling system for low power compression
- Heavy braced cabinet for vibration free dynamic response
- Fully integrated rigging for floor stacking and flying
- Touring grade textured black paint finish

APPLICATIONS

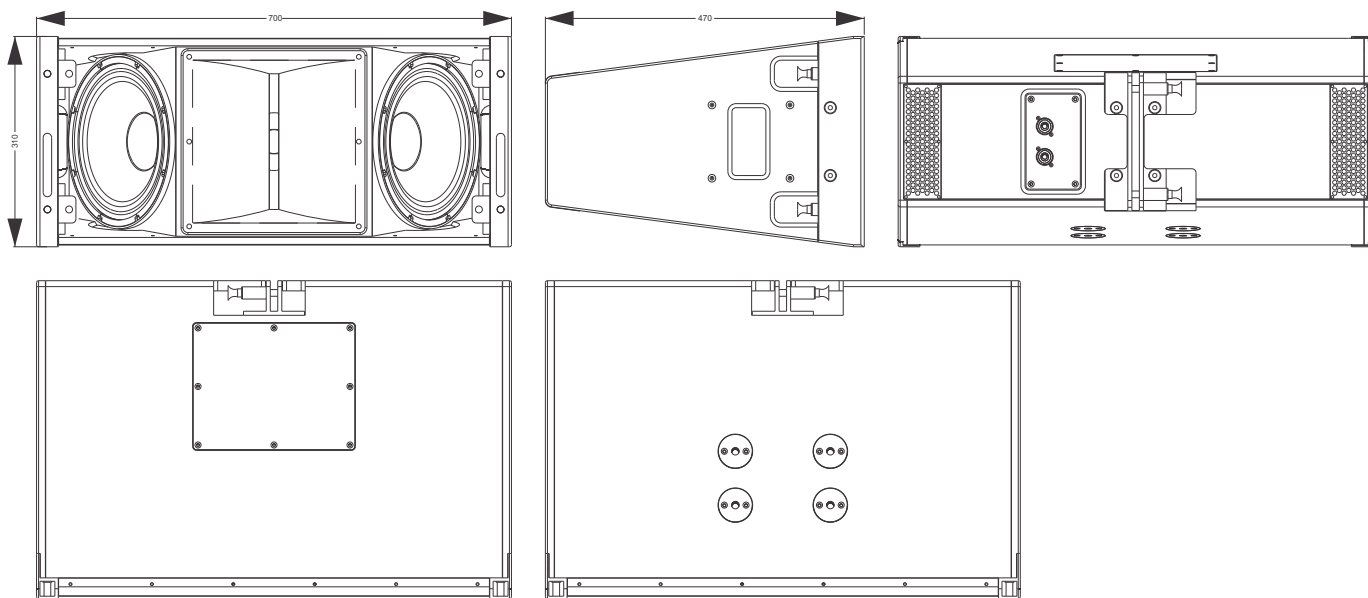
IWAC118S subwoofer is suitable for bass reinforcement for main PA systems, touring or permanent installations for small to large stages, indoor or outdoor live performances. Suitable in situations like:

- FoH
- Live show
- Multi-functional room
- Auditorium and Theatre
- Sport center
- House of worship

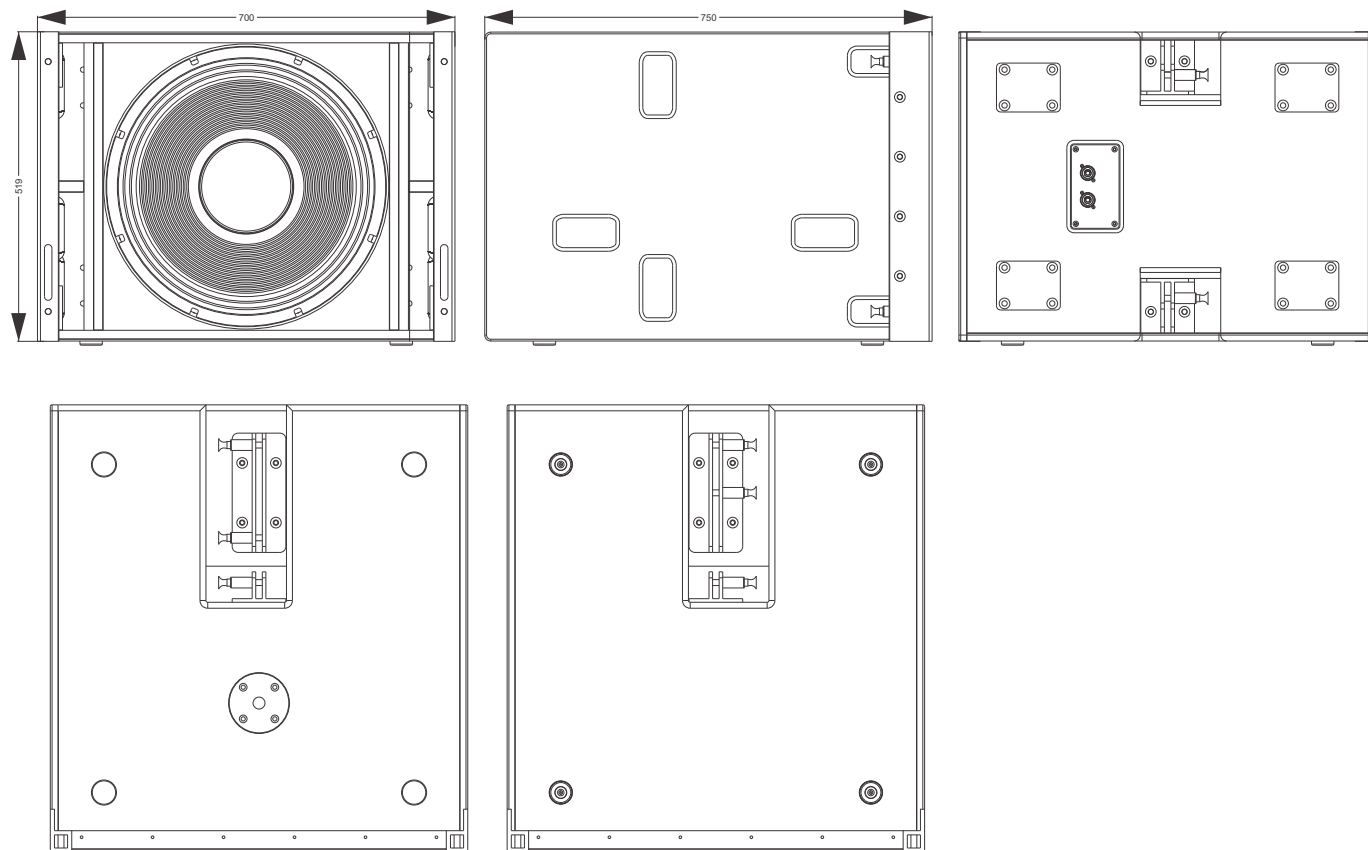
SPECIFICATIONS

Power handling (50~15000Hz pink noise 8 hours)	1200W RMS / 2400W Program, 4800W Peak
Nominal impedance	4 Ohm
Frequency response (-6dB half space, recommended preset)	28~120Hz
Average Sensitivity (wideband 50~1000Hz)	100dB/W/m
Calculated Maximum SPL / 1m	131dB continuous / 134dB Program, 137dB Peak
Nominal Directivity (-6dB)	Omni in useable band
Recommended filters	High-pass: 30Hz 24dB/oct Low-pass: 70~120Hz when used with IWAC210
Low Frequency driver	Custom made 18" CELTO Acoustique Neodymium magnet, 4" In / Out Voice coil, dual demodulating rings
Crossover	No, active mode only
Flying hardware	Integrated, stack ground and flying
Connectors	2x NEUTRIK Speakon® NL4MP (1+/1- Input)
Pole mount	Yes, 20mm thread
Cabinet	CNC made with tongue and groove assembly 18 and 15mm premium exterior grade Finnish WISA birch plywood
Finish	Touring grade textured black coating
Size (WxHxD)	700x518x745mm
Weight	52kg net, 57kg gross

IWAC210 CAD



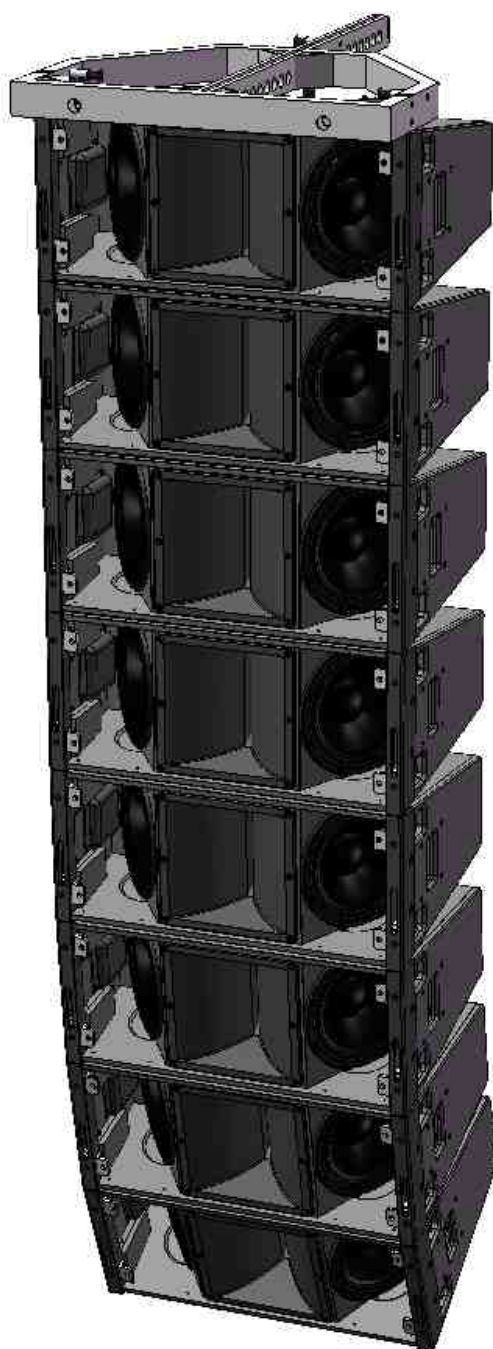
IWAC118S CAD



The most flexible line source system !

Usage 1:

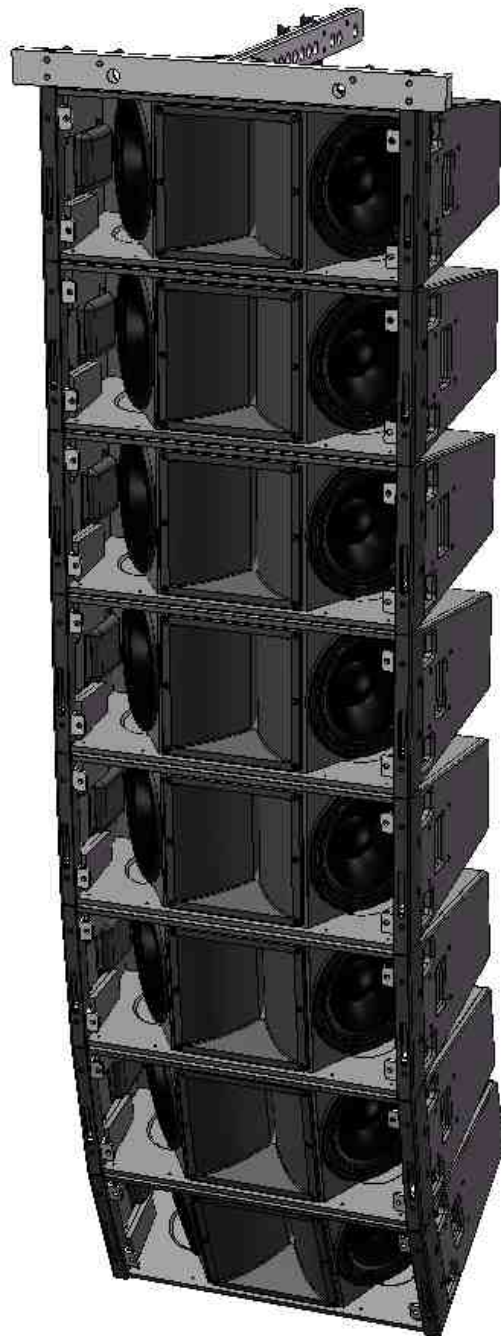
8pcs IWAC210 on large flying frame
(16pcs maximum with 10 times safety)



The most flexible line source system !

Usage 2:

8pcs IWAC210 on compact lightweight crowbow
(10pcs maximum with 10 times safety)



The most flexible line source system !

Usage 3:

2pcs IWAC210 + 2pcs IWAC118S on large frame
(450kg load with 10 times safety)

No additional mechanical part needed to fix IWAC210 under IWAC118S



The most flexible line source system !

Usage 4:

2pcs IWAC210 + 4pcs IWAC118S ground stacked on wheelboard

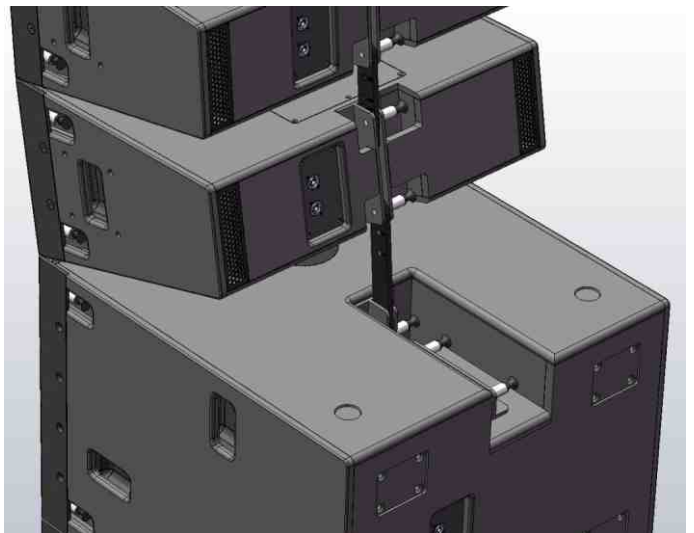
IWAC210 can be tilt down on top of 118S (10 degrees maximum)

No additional mechanical part needed to fix IWAC210 above 118S

IWAC118S is fixed on the metal wheelboard with the integrated rigging



Detail of IWAC210 / 118S assembly



The most flexible line source system !

Usage 5:

2pcs IWAC210 + 1pc IWAC118S ground stacked

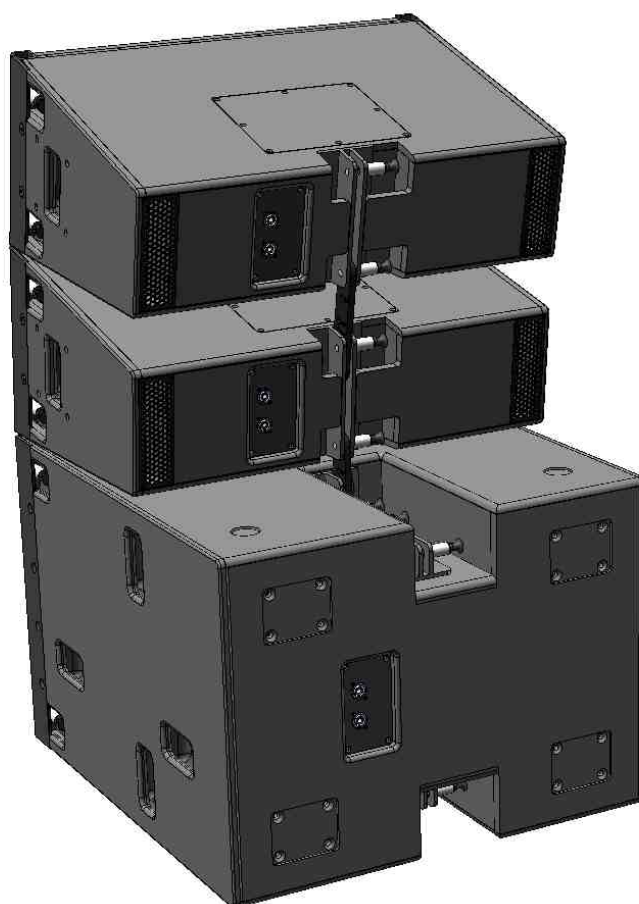
IWAC210 can be tilt up on top of 118S (8 degrees maximum)

No additional mechanical part needed to fix IWAC210 above 118S



Front view

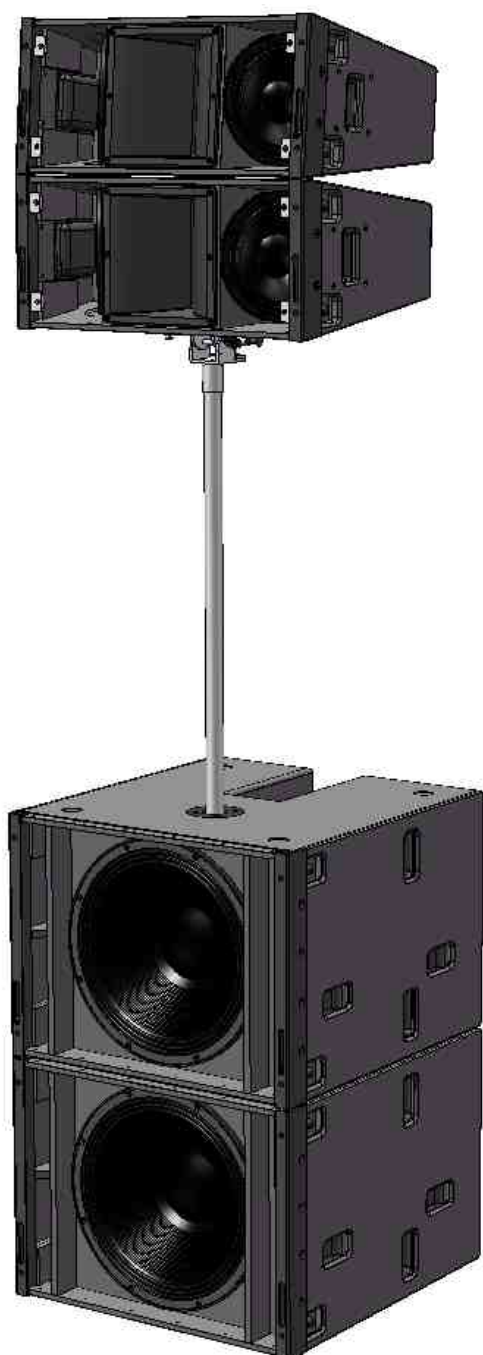
Back view



The most flexible line source system !

Usage 6:

2pcs IWAC118S + 2pcs IWAC210 on Ø35mm mounting adapter
The adapter can tilt up or down IWAC210



Detail of Ø35mm mounting adapter

