

High-power large format, 3-way line array / 4-way cardioid line array

INTRODUCTION

The **PLA2124631** is a high power, 3-way / 4-way cardioid, large format line array, designed for tour, festivals, venues and fixed installation, with two 12" neodymium woofers mounted in a direct radiating tuned bassreflex design handling LF frequencies, 4 x 6,5" neodymium midrange drivers mounted in a semidipole direct radiating closed configuration, and three 1" neodymium drivers with 1,7" voice coils mounted on waveguides and 110x15 horn. Integrated hardwares and flywares for configuring in array, with colapsing rigging hardwares for easy handling and quick setup

PLA2124631 is available in three different versions: passive, active and cardioid:

- 1) Passive 3-way, bi-amplified with dedicated passive crossover network handling MF/HF, requiring only 2 amplifier channels
- 2) Active 3-way, with 1500W+750W+750W class-D amplifiers with DSP, presets, network, FIR, AES and DANTE as option
- 3) Cardioid 4-way with two additional 8" drivers mounted in the back, cancelling out LF frequencies behind the array with dedicated passive crossover network handling MF/HF, requiring 3 amplifier channels



FEATURES AND SPECIFICATIONS

- ▶ 3 models available:
 - 1) Passive bi-amplified with dedicated passive crossover network handling MF/HF, requiring only 2 amplifier channels
 - 2) Active version, with 1500W+750W+750W class-D amplifiers with DSP, presets, network, FIR, AES and DANTE as option
 - 3) Cardioid 4-way with two additional 8" drivers mounted in the back, cancelling out LF frequencies behind the array with dedicated passive crossover network handling MF/HF, requiring 3 amplifier channels
- ▶ Relative light weight of 66 kg.
- ▶ Integrated hardware and flightware
- ▶ 110 x 15 degree controled dispersion
- ▶ LF: 2 x 12" neodymium woofer with 1600W power handling and 106dB sensitivity 2Pi
- ▶ MF: 4 x 6,5" neodymium drivers with 1,7" VC, mounted on soundguides with 1600W power handling and 105,5 dB sensitivity 2Pi
- ▶ HF: 3 x 1" neodymium drivers with 1,7" VC mounted on waveguides and horn with 300W power handling and 111,5 dB sensitivity
- ▶ Card: (cardioid version only) 2 x 8" neodymium drivers with 1400W power handling and 103dB sensitivity
- ▶ 3-way biamplified design, with dedicated passive crossover network for MF/HF (cardioid version 4-way design)
- ▶ Four handles for easy rigging and handling
- ▶ 4-point integrated flightware, with 0, 5, 10, 15 degree aiming angle, each lifting-point 29 mm. thick construction steel for highest safety
- ▶ Total power handling 3500W cont. (cardioid version 4900W cont.)
- ▶ Overall sensitivity: 105,5dB
- ▶ Max SPL: 144dB single speaker (calc. peak)
- ▶ Dimensions: W1100 x H400 x D400
- ▶ Weight: 66 kg. incl. integrated hardwares and flightwares
- ▶ The front is protected by 2 mm. thick, minimal airflow resistance, punched steel grille with speaker foam behind.
- ▶ FIR-filter presets available in the V-series and X-series systems amplifiers, in the active version, and the DSP4800 system Processor

