DRIVEN BY SOUND

Product Overview Sheet

CPA7600 / CPA7600-I

Why We Built It

You need a medium sized line array module that is best suited for an application that needs full range sound but no subwoofers and/or the subs need to be crossed over below 80Hz. Within its operating bandwidth, expect at least 105dB SPL in the seats with a properly designed system.

What You Need To Know

- 16 ohm bi-amp box with passive mid/high section (both LF and MF/HF are 16 ohms)

- 37lbs, 8.5" H x 30.75" W x 20.25" D

- Can power up to (6) units in parallel with two amp channels but (4) or less is recommended due to power loss in cables and typically increased amp distortion below four ohms.

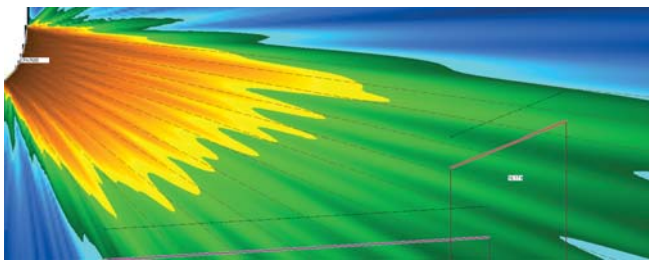
- Amp size (minimum to recommended)
LF 800W RMS to 1600W RMS @ 4 ohms (4 units in parallel)
MF/HF 400W RMS to 800W RMS @ 4 ohms (4 units in parallel)

- We recommend no less then (6) boxes be used in a single hang for line array 3dB loss performance. Less then six tends to create EQ problems in the listening planes.

- Use our free LASS coverage prediction software to calculate coverage angles and number of units needed for your particular application. Design Note: If every splay angle in the array is at 5 degrees or greater, there are not enough boxes in the array to get the best performance out of ribbons. Try to have at least half of the array at 5 degree splay or less for excellent ribbon coupling.

- Standard version uses NL4 inputs, I version uses barrier strips

- With a properly designed system, expect at least 105dB SPL in the seats with a LF extension down to approximately 50Hz (LF extension will vary depending on number of boxes in the array and proximity to wall or ceiling surfaces, 50Hz is the minimum that can typically be expected).



Features

- Ribbon High Frequency Driver
  Ribbons make the best line arrays because they are a line source in and of themselves. The precise ribbon acoustic coupling allows for exceptionally consistent sound field coverage in the vertical plane.

- CoPlaner Driver Arrangement
  Ribbons by their nature are shallow drivers which allows us to easily mount them in front of woofers or midranges. Utilization of acoustic EQ and filtering in addition to a conventional crossover provides for a higher dynamic range and significant upper midband distortion reduction in comparison to conventional direct radiating designs. It also produces a compact, coherent and integrated sound source with symmetrical pattern control

- Symmetrical MF/HF and LF Drivers
  Consistent off axis performance. Easier to perform final EQ

- Dedicated midrange driver
  Cleaner midrange that is not modulated by bass frequencies

- Dual Woofers
  Extended LF response

- Single pull back rigging
  Easier to assemble the array or set angles in the air or on the ground

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