

Curved Array Speakers

By George**Petersen**

lutions. They're ideal for creating tight curvilinear arrays for shorter-throw applications, ogy, check out Phil Graham's "Speaking of Speakers" article on page 42.

Inis month, we continue our coverage of line arrays with this focus on curved array de- whether used in a hung array, ground-stacked atop a subwoofer — or, in the case of smaller signs. Here's a representative sample of these types of smaller-to-intermediate-size so- boxes, pole-mounted for fast portable setups. For more details about curved line array technol-



Model: CAT 14 Configuration: Three-Way, dual LF **LF:** 14" **MF:** 14"

HF: (2) 1.4" exit Frequency Response: 50 Hz to 20 kHz Dispersion: 100° x 25°

Clair

Size (HxWxD): 17 x 51 x 25" (rear height 6") Weight: 160 pounds Power: Passive Notes: Optional DSP and amps in outboard rack

Companion Sub: CS18-II

clairsystems.com



Model: Convert 12A **Configuration:** Two-way; single LF

HF: (2) 2" exit neodymium Frequency Response: 63 Hz to 20 kHz Dispersion: 90° x 15°

Size (HxWxD): 12.7 x 22.7 x 16.4"

Weight: 60.5 pounds **Power:** 550W + 220W continuous Class-D Notes: 24-bit onboard DSP with FIR filters Companion Sub: Convert 18A



JBL jblpro.com

Model: VRX932LA-1 Configuration: Two-way; single LF **LF:** 12" JBL 2262H **HF:** (3) JBL 2407J 1.5" voice coil Companion Sub: VRX915S single-15

Dispersion: 100° x 15° **Size (HxWxD):** 13.5 x 23.5 x 14.8" Weight: 46 pounds

Frequency Response: 75 Hz to 20 kHz

Power: Passive, biampable Notes: 875W powered VRX932LAP ver-

> Frequency Response: 50 Hz to 20 kHz **Dispersion:** 60° x 22.5°

Model: ARCS II

LF: 15" neodymium



rear height) Configuration: Two-way; single LF Weight: 110 pounds

Power: Passive biampable Notes: Optional LA8 amplified controller/

HF: Neodymium 4" diaphragm on DOSC system optimizer Companion Sub: SB2B

Size (HxWxD): 17.3 x 32.3 x 25.7" (7.5"



Mackie

Weight: 59 pounds

Model: HDA Configuration: Two-way, single LF **LF:** 12" neodymium HF: (2) Beyma 1.7" exit

Frequency Response: 65 Hz to 18 kHz Dispersion: 110° x 20° Size (HxWxD): 14.7 x 24.7 x 15.9"

Power: 1200W peak Class-D Notes: Onboard DSP Companion Sub: HD1801

mackie.com



height)

Configuration: Two-way; dual LF Weight: 116 pounds LF: (2) 10" neodymium

Power: Biamplified; MOSFET 700W total Notes: Onboard EQ/phase/driver protec-

meyersound.com

tion processing Companion Sub: M2D-Sub

Size (HxWxD): 12.1 x 39 x 17.5" (10" rear

HF: 4" diaphragm compression driver

Frequency Response: 70 Hz to 14 kHz



QSC Audio

Model: KLA12

Configuration: Two-way; single LF LF: 12" HF: 1.75" diaphragm; multiple diffraction

Frequency Response: 49 Hz to 18 kHz Dispersion: 90° x 18°

Size (HxWxD): 15 x 23.4 x 16.6" Weight: 55 pounds

Power: 500+500W **Notes:** SOLO™ rigging system; onboard

qscaudio.com

Companion Sub: KLA-181

Renkus-Heinz Model: CF101LA Configuration: Two-way; single LF

Model: M2D

LF: 10" neodymium **HF:** (2) 1" exit neodymium on Tuned Conic Diverter

Frequency Response: 60 Hz to 20 kHz Dispersion: 90° x 15°

Size (HxWxD): 13 x 23.75 x 15"

Weight: 42.5 pounds Power: biampable (powered version

available) **Notes:** Similar CFX101LA model has onboard 500+200W amps with RHAON

renkus-heinz.com

Companion Sub: CF/CFX15S



TOA toaelectronics.com

Model: SR-A12S

Configuration: Two-way; single LF LF: 12"

Size (HxWxD): 17 x 29 x 18.5"

HF: two comp. drivers into single horn Frequency Response: 50 Hz to 20 kHz Dispersion: 90° x 15°

Weight: 112 pounds

Power: unpowered Notes: 90° x 5° SR-A12L version also

Companion Sub: SR-A18B



Yorkville Sound

Model: Paraline PSA1 Configuration: Two-way: guad LF LF: (4) long-excursion 6" neodymium

HF: (2) 1" exit on Paraline lens

www.fohonline.com

Frequency Response: 75 Hz to 20 kHz Dispersion: 110° x 15°

yorkvillesound.com

Size (HxWxD): 14.5 x 20.5 x 16" Weight: 47 pounds Power: 625W Class-D + 75w Class-H Notes: Paraline horn based on VTC Elevation Series vertical array

Companion Sub: PSA 1S

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www.fohonline.com