



Large Format Line Arrays

By George Petersen

It's no secret — for the past 10 years or so, line arrays have been the hottest ticket in live sound systems. And one of the fastest growing segments in the industry has been compact line arrays, which we covered in our Nov. 2011 issue. Yet for the largest venues — and really big jobs — you need a little more horsepower, so this time we're examining the largest, top of the line systems (having LF drivers larger than 10 inches) from more than two dozen manufacturers. So, listed alphabetically, let's look at these bad boys. **F**OH

A-Line

AL10A
Configuration: Two-way, dual LF
LF: 2x10" B&C neodymium
HF: 1.4" B&C neodymium
Frequency Response: 75-18kHz

Horiz. Dispersion: 60/90/140° (three models)
Size (HxWxD): 12.6x36.2x16"
Weight: 83 pounds
Power: 1000/500W B&O ICEpower with DSP

Notes: Unpowered versions also available.
Companion Sub: AS115A/AS215A/AS118A
a-lineacoustics.com



Power: Unpowered

Notes: XTA, Lake and PLM presets
Companion Sub: T21 dual-21"
adamsonsystems.com

HF: (2) 1.5" exit JBL 2451 neodymium
Frequency Response: 40-18kHz
Horizontal Dispersion: 100°
Size (HxWxD): 18.4x57.8x26.5"
Weight: 270 pounds

Adamson

Y-18
Configuration: Three-way, dual LF
LF: (2) 18" ferrite
MF: (2) 9" ferrite



Biema Audio

YII
Configuration: Three-way, dual LF
LF: (2) 12"
MF: (2) 8" cone

HF: 3"
Frequency Response: 80-16kHz
Horizontal Dispersion: 100°
Size (HxWxD): 12.2x57x25.6"
Weight: 224 pounds

Power: 1500W onboard
Companion Sub: Alpha-B active 2x15 sub
biema.com



D.A.S. Audio

Aero 50
Configuration: Three-way, dual LF
LF: (2) 15" neodymium
MF: (4) 8" cone neodymium

HF: (2) 1.5" exit, neodymium
Frequency Response: 45-20kHz
Horizontal Dispersion: 90°
Size (HxWxD): 18.7x53.1x24.7"
Weight: 187 pounds

Power: Unpowered
Companion Sub: LX-212/LX212R/LX212A
dasaudio.com



d&b audiotechnik

J12
Configuration: Three-way, dual LF
LF: (2) 12" neodymium
MF: 10" cone, horn loaded

HF: (2) 1.4" exit
Frequency Response: 48-17kHz
Horizontal Dispersion: 120°
Size (HxWxD): 14.2x43.3x22.4"
Weight: 132 pounds

Power: D12 amplifier 2x1200W w/DSP
Notes: Designed to operate with D12 amp
Companion Sub: J-SUB cardioid sub
dbaudio.com



dB Technologies

DVA T12
Configuration: Three-way, single LF
LF: 12" neodymium
MF: (2) 6.5" neodymium

HF: (3) 1" exit, neodymium
Frequency Response: 60-19kHz
Horizontal Dispersion: 100°
Size (HxWxD): 15.4x23.2x17.2"
Weight: 64 pounds

Power: 1410W, Class-D triamped
Companion Sub: DVA S30N, DVA S10
dbtechnologies.com



EAW

KF760
Configuration: Three-way, dual LF
LF: (2) 12" horn-loaded
MF: (2) 10" cone horn-loaded

HF: (2) 2" exit, horn-loaded
Frequency Response: 80-16kHz
Horizontal Dispersion: 80° long-throw
Size (HxWxD): 14.4x45x31"
Weight: 225 pounds

Power: Unpowered
Notes: 100° short-throw HF761 also available.
Companion Sub: BH760
eaw.com



Electro-Voice

Xvls
Configuration: Three-way, dual LF
LF: (2) 15" EVX-155PL

MF: (2) 8" ND08 cone
HF: (3) 3" ND6-16
Frequency Response: 50-16kHz
Horizontal Dispersion: 90°
Size (HxWxD): 19.5x45x29.2"

Weight: 258 pounds
Power: Unpowered
Companion Sub: Xsub F
electrovoice.com



Grund Audio

Gala Series GA-2021N
Configuration: Two-way, dual LF
LF: (2) 10" neodymium
HF: (2) 1" exit neodymium

Frequency Response: 50-18kHz
Horizontal Dispersion: 100°
Size (HxWxD): 12.25x37x13"
Weight: 90 pounds
Power: Unpowered

Notes: GA-4041NGS ground stack array also offered
Companion Sub: GA-L15
grundorf.com



ISP Technologies

HDL 4212
Configuration: Four-way, dual LF
LF: (2) 12" neodymium
MF: (2) 6.5" cone

HMF: (2) 2" exit
HF: (4) 1.75" exit
Frequency Response: 68-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 15x43.5x27.5"
Weight: 185 pounds (w/ amps)

Power: Six amps provide 2000W total
Notes: Outboard digital crossover required
Companion Sub: XMAX 218
ispproaudio.com



JBL Professional

VerTec VT4889ADP
Configuration: Three-way, dual LF
LF: (2) 15" 2255H neodymium Differential Drive
MF: (4) 8" 2250H neodymium Differential

Drive
HF: (3) neodymium 2435H 1.5" exit
Frequency Response: 45-16kHz
Horizontal Dispersion: 90°
Size (HxWxD): 19.3x47.8x21.5"
Weight: 205 pounds w/rigging & hinge bars

Power: 3000W onboard Crown amps with BSS OmniDrive
Notes: Unpowered and digital input versions also offered
Companion Sub: VT4880/VT4880A
jblpro.com



L-Acoustics

V-DOSC
Configuration: Three-way, dual LF
LF: (2) 15"
MF: (4) 7" Kevlar cone

HF: (2) 1.4" exit on DOSC waveguide
Frequency Response: 50-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 17x51.2x22.2"
Weight: 238 pounds

Power: Unpowered
Notes: Turnkey amp rack system optional
Companion Sub: SB218
l-acoustics.com



Lynx Pro Audio

LX-V12
Configuration: Three-way, dual LF
LF: (2) 12" neodymium
MF: (4) 6.5" cone

HF: (2) 1.4" exit neodymium
Frequency Response: 55-18kHz
Horizontal Dispersion: 100°
Size (HxWxD): 14.5x46.25x20"
Weight: 163 pounds

Power: 4000W Class-D w/DSP control
Companion Sub: LX-218S/LX-318C
lynxproaudio.c



Mackie

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

Frequency Response: 65-18kHz
Horizontal Dispersion: 110°
Size (HxWxD): 14.7x24.7x15.9"
Weight: 59 pounds
Power: 1200W peak Class-D

Notes: Onboard DSP
Companion Sub: HD1801
mackie.com



Martin Audio

MLA
Configuration: Three-way cellular drive
LF: (2) 12" neodymium Hybrid horn loaded
MF: (2) 6.5" cone neodymium

HF: (3) 1" exit neodymium
Frequency Response: 52-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 14.6x44.7x26.5
Weight: 193 pounds

Power: (6) Class-D, 6000W peak total
Notes: DSP and networking for control of each cell in the array
Companion Sub: MLX Sub-Bass
martin-audio.com



McCauley Sound

Monarc MLA6
Configuration: Three-way, dual LF
LF: (2) 15"
MF: (2) 10" cone

HF: (2) 1.4" exit
Frequency Response: 45-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 14x58x28"
Weight: 199

Power: Unpowered
Companion Sub: Monarc MS6
mccauley.com



Meyer Sound Labs

MILO
Configuration: Four-way, dual LF
LF: (2) 12" neodymium
MF: second LF extends beyond 300Hz for

LMF
HF: 1.5" exit on Ribbon Emulation Manifold
VHF: (3) 0.75" exit on REM
Frequency Response: 60-18kHz
Horizontal Dispersion: 90°

Size (HxWxD): 14.5x54x22"
Weight: 235 pounds
Power: Onboard 4-ch, 3935W AB/H amp
Companion Sub: M3D-Sub
meyersound.com



Nexo

GEO D10
Configuration: Three-way (shared LF/ MF)
LF/MF: 12" front-firing, (2) 8" side-firing
HF: 1.4" exit

Frequency Response: 60-19kHz
Horizontal Dispersion: configurable 80°/120°
Size (HxWxD): 15x29.3x29.5"
Weight: 125.7 pounds
Power: Unpowered

Notes: NX242 digital system controller recommended
Companion Sub: GEO SUB (directional)
nexo-sa.com



Outline

GTO
Configuration: Three-way, dual LF
LF: (2) 15"
MF: (4) 8" cone

HF: (4) 3" diaphragm NdFeB
Frequency Response: 50-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 18.1x44.3x25.8"
Weight: 212 pounds

Power: Unpowered
Companion Sub: GTO-LOW, GTO-SUB
outline.it



Peavey

Versarray 212
Configuration: Three-way, dual 12 LF
LF: (2) 12" neodymium Black Widow
MF: (10) 2.5-inch cone neodymium

HF: (4) 4.75" planar ribbon tweeters
Frequency Response: 70-20kHz
Horizontal Dispersion: 90°
Size (HxWxD): 14x43x11.75"
Weight: 93 pounds

Power: Unpowered
Companion Sub: Versarray 218
peavey.com



Professional Audio Systems

RS-2LA
Configuration: Two-way, dual LF
LF: (2) 15"

HF: (2) 2-inch exit, coaxial
Horizontal Dispersion: 90°
Size (HxWxD): 17.5x36x24"
Weight: 143 pounds
Power: Unpowered

Notes: TOC™ technology coaxial drivers
Companion Sub: MF-218
pas-toc.com



QSC

WideLine WL2102
Configuration: Two-way, dual LF
LF: (2) 10"

HF: 1.4" exit neodymium
Frequency Response: 55-18kHz
Horizontal Dispersion: 140°
Size (HxWxD): 10.8x27.4x20.75"

Weight: 70 pounds
Power: Unpowered
Companion Sub: 215PCM, 215SB
qscaudio.com

RCF

TTL55A
Configuration: Three-way, dual LF
LF: (2) 12" neodymium
MF: 10" cone neodymium

HF: (3) 1.5" exit neodymium
Frequency Response: 50-20kHz
Horizontal Dispersion: 90°
Size (HxWxD): 15x40x21.6"
Weight: 67 pounds

Power: 3500W onboard with DSP control
Companion Sub: TTS56-A (6800W, dual-21")
rcf.it



Renkus-Heinz

VerSys VLX3
Configuration: Three-way, dual LF
LF: (2) 12" neodymium
MF: (2) 6.5" cone in CoEntrant horn
HF: (2) 2.5" in CoEntrant horn

Frequency Response: 45-18kHz
Horizontal Dispersion: 60/90/120° available
Size (HxWxD): 17.25x38.5x26.5"
Weight: 175 pounds
Power: Unpowered

Notes: RHAON-enabled powered VL3 version also offered
Companion Sub: DRS18-1B/DR18-1R
renkus-heinz.com

Sound Bridge Acoustic Labs

7225XY
Configuration: Two-way, dual LF
LF: (2) 15" neodymium

HF: (3) neodymium EXO
Frequency Response: 50-22kHz
Horizontal Dispersion: 120°
Size (HxWxD): 21x50.75x28"
Weight: 205 pounds

Power: Unpowered
Companion Sub: 7218SWX, 7218SWX-F, 7221SWX
soundbridge.com



TOA

SR-A12
Configuration: Two-way, single LF
LF: 12"

HF: two comp. drivers into single horn
Frequency Response: 5-20kHz
Horizontal Dispersion: 90°
Size (HxWxD): 17x29x18.5"
Weight: 112 pounds

Power: Unpowered
Notes: Long- and short-throw versions available
Companion Sub: SR-A18B
toaelectronics.com

True Vision Inc.

C-212ii
Configuration: Three-way, dual LF
LF: (2) 12"
MF: (2) 8" cone

HF: (2) 1.7" exit
Frequency Response: 50-19kHz
Horizontal Dispersion: 90°
Size (HxWxD): 14x5x46.2x24"
Weight: 179 pounds

Power: Unpowered
Notes: Powered version available
Companion Sub: C-218-12
tviaudio.com



Turbosound

Flashline TFS-900H
Configuration: Four-way, dual LF
LF: (2) 12"
LMF: (4) 6.5" cone

HMF: (2) 6.5" cone
HF: (3) 1" exit
Frequency Response: 70-18kHz
Horizontal Dispersion: 90°
Size (HxWxD): 14.2x48.8x22.4"

Weight: 224 pounds
Power: 4 ch. 20000DP amp with Lake processing
Companion Sub: TFS-900B
turbosound.com

VTC Pro Audio

EL210
Configuration: Two-way, dual LF
LF: (2) B&C 10" neodymium
HF: (2) 1" exit, BMS neodymium

Frequency Response: 55-20kHz
Horizontal Dispersion: 90°
Size (HxWxD): 15.3x28.4x19.5"
Weight: 89 pounds
Power: Unpowered

Notes: Built by Yorkville Sound
Companion Sub: ELS212, ELS118
vtcproaudio.com



WorxAudio

V10-PMD3
Configuration: Three-way, dual LF
LF: (2) 10"
MF: (2) 8" cone into Acoustic Intergrad-ing Module

HF: 1.4" exit into FlatWave Former
Frequency Response: 38-18kHz
Horizontal Dispersion: 140°
Size (HxWxD): 10.5x48x18"
Weight: 165 pounds
Power: 2500W digital triamplification

Notes: Unpowered V10 version also offered
Companion Sub: TL218SS-P
worxaudio.com