

Large-Format Line Arrays

By GeorgePetersen

The really big jobs, such as stadiums, arenas, festivals and other installs, require sizeable systems, and we offer this look at a selection of large-format line arrays, here defined as systems with dual 12-inch (or larger) woofers. In this range, speakers are rarely used as simple pairs and are usually deployed in multiple box arrays, with prices often determined as part of an overall system purchase (typically with subs, amps, rigging, wiring, processing, etc.) and as such, single-cabinet pricing becomes less meaningful and is not provided. URL's for each company are attached; contact the manufacturer for more information.

Alcons Audio LR24

LF: (2) 12" neodymium woofers
MF: (4) 6.5" cone neodymium mids
HF: 14" RBN pro ribbon driver
Frequency Response: 51 Hz to 20k Hz
Horizontal dispersion: 80°
Size (HxWxD): 15.8 x 43.4 x 21.1"
Weight: 143 pounds
Power: External Sentinel 10 4x2.5kW amp w/LR 24 Notes: Sentinel 10 has 192 kHz AES inputs and touch screen control
Companion Sub: LB24 dual-12"



alconsaudio.com

DAS Audio Aero Series 2 Aero 50

LF: (2) 15" neodymium woofers
MF: (4) 8" cone neodymium mids
HF: (2) 1.5" exit, neodymium drivers
Frequency Response: 45 to 20k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 18.7 x 53.1 x 24.7"
Weight: 187 pounds
Power: Unpowered
Notes: Splay angles adjust in 0.8° increments
Companion Sub: LX-212/LX212R/LX212A



dasaudio.com

EAW Anya


LF: (2) 15" aperture-loaded woofers
MF: (6) 5.25" cone horn-loaded mids
HF: (14) 1" exit drivers, horn-loaded
Frequency Response: 35 Hz to 18k Hz
Horizontal Dispersion: 70°
Size (HxWxD): 45 x 16.9 x 30"
Weight: 285 pounds
Power: 10,000W triamped Class-D w/DSP
Notes: Built-in microphone for in-situ diagnostics
Companion Sub: OTTO Adaptive Subwoofers



eaw.com

Adamson Energia E-15

LF: (2) ND15 15" neodymium/Kevlar woofers
MF: (2) YX7 7" Kevlar cone mids
HF: (2) Adamson NH4 1.5" exit drivers
Frequency Response: 60 Hz to 18k Hz
Horizontal dispersion: 90°
Size (HxWxD): 15.4 x 51.4 x 21.4"
Weight: 176 pounds
Power: Optional onboard Class-D modules
Notes: Active 3-way Lake presets
Companion Sub: T21 dual-21"



adamsonsystems.com

Coda Audio Airline LA12


LF: (2) 12" neodymium woofers
MF: (4) 3.5" ring diaphragm neo mids
HF: (3) 4" planar neodymium drivers
Frequency Response: 50 to 20k Hz
Horizontal Dispersion: 100°
Size (HxWxD): 13.4 x 43.6 x 15.6"
Weight: 147.5 pounds
Power: Unpowered
Notes: Tri-axial V-arrangement of the low, mid and HF drivers for coherent coupling.
Companion Sub: SC8/SC8-F sensor-controlled quad-18 subs



codaaudio.com

d&b audiotechnik J12


LF: (2) 12" neodymium woofers
MF: 10" cone, horn-loaded mids
HF: (2) 1.4" exit drivers
Frequency Response: 48 Hz to 17k Hz
Horizontal Dispersion: 120°
Size (HxWxD): 14.2 x 43.3 x 22.4"
Weight: 132 pounds
Power: D12 amplifier 2x1200w w/DSP
Notes: Vi12 installation version available
Companion Sub: J-SUB cardioid sub



dbaudio.com

Electro-Voice Xvls

LF: (2) 15" EVX-155PL woofers
MF: (2) ND08 8" cone mids
HF: (3) 1.4" exit ND6-16 drivers
Frequency Response: 50 Hz to 16k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 19.5 x 45 x 29.2"
Weight: 258 pounds
Power: Unpowered
Notes: Designed for long-throw applications
Companion Sub: Xsub F



electrovoice.com

ISP Technologies HDL 4212

LF: (2) 12" neodymium woofers
MF: (2) 6.5" cone mids
HMF: (2) 2" exit drivers
HF: (4) 1.75" exit drivers
Frequency Response: 68 Hz to 18k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 15 x 43.5 x 27.5"
Weight: 185 pounds (with amps)
Power: Six amps provide 2,000W total
Notes: Outboard digital crossover required
Companion Sub: XMAX 218



ispproaudio.com

L-Acoustics K2

LF: (2) 12" woofers
MF: (4) 6.5" cone mids
HF: (3) 3" diaphragm drivers on DOSC waveguides
Frequency Response: 35 Hz to 20k Hz
Horizontal Dispersion: 110°
Size (HxWxD): 14.2 x 52.7 x 15.8"
Weight: 123 pounds
Power: Turnkey amp rack/DSP system optional
Notes: Variable curvature Wavefront Sculpture Technology
Companion Sub: K1-SB (arrayable); SB28 (stackable)



l-acoustics.com

Martin Audio MLA


LF: (2) 12" neodymium Hybrid horn-loaded
MF: (2) 6.5" cone neodymium mids
HF: (3) 1" exit neodymium drivers
Frequency Response: 52 Hz to 18k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 14.6 x 44.7 x 26.5"
Weight: 193 pounds
Power: (6) Class-D, 6,000W peak total
Notes: DSP/networking control of each array cell
Companion Sub: MLX Sub-Bass



martin-audio.com

Meyer Sound LEO-M


LF: (2) 15" long-excursion woofers
HF: (2) 4" diaphragm compression drivers
Frequency Response: 55 Hz to 18k Hz
Horizontal Dispersion: 100°
Size (HxWxD): 17.9 x 41.4 x 23"
Weight: 265 pounds
Power: 3-channel complementary MOSFET output stages (Class-AB/H bridged)
Notes: Galileo Callisto loudspeaker management provides matrix routing, alignment and processing.
Companion Sub: 1100-LFC



meyersound.com

JBL Pro VTX Series V25-II

LF: (2) 15" 2267H neodymium woofers
MF: (4) 8" 2169H cone neodymium mids
HF: (3) 2430K D2 Dual Drivers
Frequency Response: 35 Hz to 18k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 16.3 x 48.2 x 24.2"
Weight: 182 pounds
Power: Unpowered; V5 Processing with Crown I-Tech HD or VRACK optional.
Notes: Fixed-angle ASM suspension and CS (Compression System) versions offered.
Companion Sub: S28 (flyable) and G28 (ground) dual-18 subs offered.



jblpro.com

Lynx Pro Audio LX-V12


LF: (2) 12" neodymium woofers
MF: (4) 6.5" cone mids
HF: (2) 1.4" exit neodymium drivers
Frequency Response: 55 Hz to 18k Hz
Horizontal Dispersion: 100°
Size (HxWxD): 14.5 x 46.25 x 20"
Weight: 163 pounds
Power: 4,000W Class-D
Notes: Onboard DSP with FIR filters
Companion Sub: LX-218S/LX-318C



lynxproaudio.com

McCauley Sound MonARC MLA6


LF: (2) 15" woofers
MF: (2) 10" cone mids
HF: (2) 1.4" exit drivers
Frequency Response: 45 Hz to 18k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 14 x 58 x 28"
Weight: 199 pounds
Power: unpowered
Notes: Intercell Summation Aperture creates wideband wavefront
Companion Sub: MonARC MS6



mccauley.com

Nexo STM 46/STM B112

LF: 12" neodymium woofer (in single Bass Module)
MF: (4) 6.5" flat membrane drivers
HF: (4) 1.4" exit neodymium drivers
Frequency Response: 55 Hz to 20k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 13.8 x 45.3 x 28.2"
Weight: 260 pounds
Power: External NXAMP4x4 powering/DSP module
Notes: Dimensions describe STM 46 main module and STM B112 bass module. Modular system allows multiple configurations.
Companion Sub: STM S118



nexo-sa.com

Outline GTO

LF: (2) 15" woofers

MF: (4) 8" cone mids

HF: (4) 3" diaphragm NdFeB drivers

Frequency Response: 50 Hz to 18k Hz

Horizontal Dispersion: 90°


Size (HxWxD): 18.1x44.3x25.8"

Weight: 212 pounds

Power: Unpowered

Notes: Matching GTO-DF (downfiring) cabinet available

Companion Sub: GTO-LOW (dual-015"), GTO-SUB (dual-18")



outline.it

Peavey Versarray 212

LF: (2) 12" neodymium Black Widow woofers

MF: (10) 2.5-inch cone neodymium mids

HF: (4) 4.75" planar ribbon tweeters

Frequency Response: 70 Hz to 20k Hz

Horizontal Dispersion: 90°


Size (HxWxD): 14x43x11.75"

Weight: 93 pounds

Power: unpowered

Notes: Ribbon tweeters in manifold line source

Companion Sub: Versarray 218



peavey.com

PK Audio VX12

LF: (2) 12" neodymium woofers

MF: (4) 6" neodymium cone drivers

HF: (3) 1.75" planar wave drivers

Frequency Response: 40 to 20k Hz

Horizontal Dispersion: 90°

Size (HxWxD): 16.5 x 48.3 x 21.1"

Weight: 155 pounds

Power: 2,500W Class-D

Notes: Selectable onboard DSP configurations

Companion Sub: CX800 powered dual-18 sub



pksound.ca

RCF TTL-55A

LF: (2) 12" neodymium woofers

MF: 10" cone neodymium mid

HF: (3) 1.5" exit neodymium drivers

Frequency Response: 50 Hz to 20k Hz

Horizontal Dispersion: 90°


Size (HxWxD): 15x40x21.6"

Weight: 148 pounds

Power: 3,500W onboard

Notes: 96 kHz, 32-bit DSP with RDNet control

Companion Sub: TTS56-a 6,800w, dual-21"



rcf.it

Renkus-Heinz VerSys VLX3

LF: (2) 12" neodymium woofers

MF: (2) 6.5" cone in CoEntrant horn

HF: (2) 2.5" drivers in CoEntrant horn

Frequency Response: 45 Hz to 18k Hz

Horizontal Dispersion: 60/90/120° avail.


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 Labs 7222XY

LF: (2) 12" neodymium woofers

HF: (2) neodymium EXO drivers

Frequency Response: 50 Hz to 22k Hz

Horizontal Dispersion: 120°

Size (HxWxD): 13.75 x 41.7 x 27.5"

Weight: 141 pounds

Power: Unpowered

Notes: MF/HF drivers on Q-Drive WaveShaper horns

Companion Sub: 7218SWX, 7218SWX-F, 7221SWX



soundbridge.com

True Vision Inc. C-212ii

LF: (2) 12" woofers

MF: (2) 8" cone mids

HF: (2) 1.7" exit drivers

Frequency Response: 50 Hz to 18k Hz

Horizontal Dispersion: 90°

Size (HxWxD): 14.5 x 46.2 x 24"

Weight: 179 pounds

Power: Unpowered

Notes: Powered version available

Companion Sub: C-218-12



tviaudio.com

Turbosound Flashline TFS-900H

LF: (2) 12" woofers

LMF: (4) 6.5" cone lower mids

HMF: (2) 6.5" cone upper mids

HF: (3) 1" exit drivers

Frequency Response: 70 Hz to 18k Hz

Horizontal Dispersion: 90°


Size (HxWxD): 14.2x48.8x22.4"

Weight: 224 pounds

Power: 4 ch. 20000DP amp with Lake processing

Notes: MF/HF drivers on Dendritic waveguides

Companion Sub: TFS-900B



turbosound.com