

By GeorgePetersen

Large-Format Line Arrays

Big jobs and huge installations require sizeable systems, and we offer this look at a selection of large-format line arrays, here defined as systems with dual 10-inch (or larger) woofers. In this range, speakers are rarely used as simple pairs and are usually deployed in multiple cabinet arrays, with prices often determined as part of an overall system purchase (typically with subs, amplification, rigging, wiring, dollies, 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.

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 2 x 1200w w/DSP
Notes: Vi12 installation version available
Companion Sub: J-SUB cardioid sub

[dbaudio.com](#)

Electro-Voice Xvs



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](#)

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](#)

DAS Audio 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](#)

Grund Audio Gala Series GA-2021N



LF: (2) 10" neodymium woofers
HF: (2) 1" exit neodymium drivers
Frequency Response: 50-18k Hz
Horizontal Dispersion: 100°
Size (HxWxD): 12.25 x 37 x 13"
Weight: 90 pounds
Power: Unpowered
Notes: GA-4041NG5 ground stack array also offered
Companion Sub: GA-L15

[grundorf.com](#)


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 4 x 2.5kW amp w/LR 24 drive processing
Notes: Sentinel 10 has 192 kHz AES inputs and touch screen control
Companion Sub: LB24 dual-12"

[alconsaudio.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: SB2001

[eaw.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](#)

JBL Professional VerTec VT4889ADP



LF: (2) 15" 2255H neodymium woofers
MF: (4) 8" 2250H cone neodymium mids
HF: (3) 2435H neodymium 1.5" exit drivers
Frequency Response: 45 Hz to 16k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 19.3 x 47.8 x 21.5"
Weight: 205 pounds w/rigging & hinge bars
Power: 3,000W onboard Crown amps with BSS OmniDrive
Notes: Unpowered and digital input versions also offered
Companion Sub: VT4880/VT4880A

[jblpro.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](#)


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](#)


L-Acoustics K1



LF: (2) 15" woofers
MF: (4) 6.5" cone mids
HF: (3) 3" diaphragm drivers on DOSC waveguides
Frequency Response: 35 Hz to 20k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 17.2 x 52.8 x 20.5"
Weight: 234 pounds
Power: Turnkey amp rack/DSP system optional
Notes: Quadamped design using Wavefront Sculpture Technology
Companion Sub: K1-SB (arrayable); SB28 (stackable)

[l-acoustics.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](#)

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): 18.1 x 44.3 x 25.8"
Weight: 212 pounds
Power: Unpowered
Notes: Matching GTO-DF (downfiring) cabnet also available
Companion Sub: GTO-LOW (dual-015"), GTO-SUB (dual-18")

[outline.it](#)

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](#)


Meyer Sound Labs LEO-M



Size (HxWxD): 17.9 x 41.4 x 23"
Weight: 265 pounds
Notes: Meyer Sound has not released any additional specs on the LEO-M linear array loudspeaker, which — with the companion 1100-LFC subwoofer and Galileo Callisto loudspeaker management system — comprise the LEO system.

[meyersound.com](#)

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): 14 x 43 x 11.75"
Weight: 93 pounds
Power: unpowered
Notes: Ribbon tweeters in manifold line source
Companion Sub: Versarray 218

[peavey.com](#)

QSC WideLine WL2102



LF: (2) 10" woofers

HF: 1.4" exit neodymium drivers

Frequency Response: 55 Hz to 18k Hz

Horizontal Dispersion: 140°

Size (HxWxD): 10.8 x 27.4 x 20.75"

Weight: 70 pounds


Power: Unpowered (biamp/triampable)

Notes: Weatherized versions also available

Companion Sub: 215PCM, 215SB

qsc.com

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): 15 x 40 x 21.6"

Weight: 67 pounds


Power: 3,500W onboard

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

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

rct.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): 17.25 x 38.5 x 26.5"

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



LF: (2) 15" neodymium woofers

HF: (3) neodymium EXO drivers

Frequency Response: 50 Hz to 22k Hz

Horizontal Dispersion: 120°

Size (HxWxD): 21 x 50.75 x 28"

Weight: 205 pounds

Power: Unpowered

Notes: 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 19k Hz

Horizontal Dispersion: 90°

Size (HxWxD): 14 x 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): 14.2 x 48.8 x 22.4"

Weight: 224 pounds

Power: 4 ch. 20000DP amp with Lake processing

Notes: MF/HF drivers on Dendritic waveguides

Companion Sub: TFS-900B

turbosound.com

VTC Pro Audio EL210



LF: (2) B&C 10" neodymium woofers

HF: (2) BMS 1" exit neodymium drivers

Frequency Response: 55 Hz to 20k Hz

Horizontal Dispersion: 90°

Size (HxWxD): 15.3 x 28.4 x 19.5"

Weight: 89 pounds


Power: Unpowered

Notes: Built by Yorkville Sound

Companion Sub: ELS212, ELS118

vtcproaudio.com

WorxAudio V10-PMD3



LF: (2) 10" woofers

MF: (2) 8" cone into Acoustic Intergrading Module

HF: 1.4" exit driver into FlatWave Former

Frequency Response: 38 Hz to 18k Hz

Horizontal Dispersion: 140°

Size (HxWxD): 10.5 x 48 x 18"

Weight: 165 pounds

Power: 2,500W digital triamplification

Notes: Unpowered V10 version also offered

Companion Sub: TL218SS-P

worxaudio.com

Coming Next Month:

DSP Power Amplifiers

These keep getting smarter, with intelligent advanced control, onboard processing and punch for your system. We look at some hot contenders.

