

Mini-Size Line Array Systems

By George Petersen

Sometimes, bigger isn't better, as anyone who has tried to park a Humvee in Manhattan can attest. In the past year, we have covered large and mid-sized line arrays, so this time we turned to more compact units, having LF drivers less than seven inches in diameter. Such arrays can be a perfect choice in many — though not all — smaller venues, whether performances spaces, theaters, houses of worship and for all sorts of portable rental gigs. Here are a few current offerings for you to consider.

Coda Audio TIRAY




Configuration: Two-way, dual LF
LF: (2) 5-inch neodymium
HF: 5" neodymium planar wave driver
Frequency Response: 70 Hz to 20k Hz
Dispersion (HxV): 100° H; Variable 0° to 12°
Size (HxWxD): 6.2 x 15.9 x 10"

Weight: 21.8 pounds
Power: Unpowered; Coda LINUS amplifiers recommended
Notes: Weather protection and RAL colors optional
Companion Sub: 12" TiLOW

codaaudio.com

dB Technologies DVA Mini



Configuration: Two-way; dual LF
LF: (2) 6.5" neodymium woofers
HF: (2) 1" neodymium driver
Frequency Response: 78 Hz to 19k Hz
Dispersion (HxV): 90° x 15° (single unit)
Size (HxWxD): 7.5 x 18.1 x 13.6"

Weight: 16.8 pounds
Power: M2M unit has 200 + 200 Watts
Notes: Tandem system has two identical two-way boxes, except M2M unit has amps and DSP for the M2S slave unit.
Companion Sub: DVA MS-12

dbtechnologies.com

FBT Mitus 206LA



Configuration: Two-way, dual LF
LF: (2) 6.5" neodymium woofers
HF: 1.4" exit neodymium driver
Frequency Response: 68 Hz to 20k Hz
Dispersion (HxV): 100° x 10°
Size (HxWxD): 8.7 x 22.6 x 15.1"

Weight: 30.8 pounds
Power: Class-D 600 + 300 Watts
Notes: 8-preset onboard DSP; passive version also offered
Companion Sub: Mitus 212 FSA

fbt.it

L-Acoustics KIVA



Configuration: Two-way; dual LF
LF: (2) 6.5" woofers
HF: 1.5" exit driver on DOSC waveguide
Frequency Response: 80 Hz to 20k Hz
Dispersion (HxV): 100° x 15°
Size (HxWxD): 6.8 x 20.5 x 14.1"

Weight: 28.7 pounds
Power: Passive; 120W RMS handling
Notes: Captive 3-point rigging system supports up to 20 KIVA units.
Companion Sub: KILO

l-acoustics.com

Alcons Audio LR7



Configuration: Two-way; single LF
LF: 6.5" neodymium woofer
HF: 4" Alcons RBN401 ribbon driver
Frequency Response: 74 Hz to 20k Hz
Dispersion (HxV): 120° x 15°

Size (HxWxD): 6.9 x 14.1 x 10.7"
Weight: 17.6 pounds
Power: Passive; 800W max handling
Notes: 90-degree version also available
Companion Sub: LR7B

alconsaudio.com

d&b audiotechnik T10



Configuration: Two-way, dual LF
LF: (2) 6.5-inch
HF: 1.4-inch exit driver
Frequency Response: 68 Hz to 18k Hz
Dispersion (HxV): 90° or 105° x 35°
Size (HxWxD): 7.8 x 18.5 x 11.8 in.

Weight: 24 lbs.
Power: Passive; (d&b D6/D12 amplifiers suggested)
Notes: Unique waveguide allows changing horizontal dispersion from 90° to 105°
Companion Sub: T-SUB single-15

dbaudio.com

EAW NTL720 (B.L.A.M.)



Configuration: Three-way, dual LF
LF: (2) 6" woofers
MF: (2) 6" cone mids
HF: (6) 1" dome tweeters
Frequency Response: 75 Hz to 21k Hz
Dispersion (HxV): 110° x 12°

Size (HxWxD): 9.4 x 24 x 14.3"
Weight: 47 pounds
Power: Triamped, (three 500W Class-D amps)
Notes: Onboard user-addressable DSP and Gunness focusing.
Companion Sub: NTS250

eaw.com

KS Audio S-Series



Configuration: Two-way; dual LF
LF: (2) 6" neodymium woofers
HF: 1" compression driver
Frequency Response: 70 Hz to 20k Hz
Dispersion (HxV): 100° x 20°

Size (HxWxD): 9 x 18.7 x 10"
Weight: 39.6 pounds
Power: Unpowered
Notes: Can also be used vertically
Companion Sub: CW1; CW 210

ksaudio.com

LD Systems VA 4



Configuration: Two-way; dual LF
LF: (2) 4" woofers
HF: 1" neodymium compression driver
Frequency Response: 80 Hz to 19k Hz
Dispersion (HxV): 120° x 10°
Size (HxWxD): 5.5 x 18.9 x 10.3"

Weight: 21.1 pounds
Power: Unpowered
Notes: Optional road case for up to six VA 4 units
Companion Sub: V212B or V215B

ld-systems.com

Lynx Pro Audio LX-F6



Configuration: Two-way; dual LF
LF: (2) 6" neodymium woofers
HF: 5" x 1" AMT Air Motion Transformer
Frequency Response: 90 Hz to 18k Hz
Dispersion (HxV): 100° x 12°

Size (HxWxD): 8.3 x 27 x 11.4"
Weight: 44 pounds
Power: (2) 750W Class-D amplifiers
Notes: Unpowered version also offered
Companion Sub: LX-212S

lynxproaudio.com

Meyer Sound MINA




Configuration: Two-way, dual LF
LF: (2) 6.5" woofers
HF: 1.2" exit driver
Frequency Response: 66 Hz to 18k Hz
Dispersion (HxV): 100° (H); vertical is array-dependent

Size (HxWxD): 8.4 x 20.3 x 15.3"
Weight: 41 pounds
Power: (3) Class-D 975W amplifiers
Notes: Manifold horn based on Meyer REM ribbon emulation
Companion Sub: 500-HP dual-12

meyersound.com

Outline Mini-COM.PA.S.S.




Configuration: Two-way, quad LF
LF: 5-inch neodymium
HF: (2) 1.75" diaphragm neodymium
Frequency Response: 180 Hz to 19k Hz
Dispersion (HxV): Horizontal is adjustable from 60° to 150°
Size (HxWxD): 12.4 x 21.7 x 16.4"

Weight: 53 pounds
Power: (2) 500W RMS amps
Notes: Onboard DSP and network controllable
Companion Sub: Lab 15

outline.it

TOA Electronics HX-5B



Configuration: Two-way; quad LF
LF: (4) 4.7"
HF: (12) dome tweeters
Frequency Response: 75 Hz to 20k Hz
Dispersion (HxV): 100° H x 15-60° V (variable)
Size (HxWxD): 21.5 x 16.1 x 13.5"

Weight: 35.2 pounds
Power: Passive; 200W continuous pink-noise
Notes: Single unit operates like 4-cabinet array
Companion Sub: FB-120B

toaelectronics.com

VUE Audiotechnik al4




Configuration: Two-way; dual LF
LF: (4) 4" neodymium woofers
HF: 1" beryllium driver
Frequency Response: 78 Hz to 26k Hz
Dispersion (HxV): 90° x 10°
Size (HxWxD): 5.5 x 18.9 x 10.3"

Weight: 18 pounds
Power: Unpowered; V4 Systems Engine recommended
Notes: Custom colors via special order
Companion Sub: al-4SB

vueaudio.com

Martin Audio OmniLine



Configuration: Two-way, dual LF
LF: (2) 3.5" woofers
HF: (5) 0.55" soft dome tweeters
Frequency Response: 85 Hz to 20k Hz
Dispersion (HxV): 100° x 5°
Size (HxWxD): 4.5 x 9.7 x 7.8"

Weight: 7.9 pounds
Power: Passive; 50W AES, 200W peak handling
Notes: Up to 32 modules can be connected
Companion Sub: Wavefront WS18X or WS218X

martin-audio.com

Nexo GEO M620



Configuration: Two-way, single LF
LF: 6.5" woofer
HF: 1" driver on HR Wavesource
Frequency Response: 80 Hz to 19k Hz
Dispersion (HxV): 80°/120° x 20°
Size (HxWxD): 7.5 x 14.7 x 10.3"

Weight: 21.3 pounds
Power: Unpowered
Notes: Can be paired with M6B bass extension cabinet
Companion Sub: NEXO LS600

nexo-sa.com

SLS Audio CPA7600




Configuration: Three-way; dual-LF on array
LF: (2) 6.5" woofers
MF: 6.5" cone unit
HF: Coaxial Co-Planar ribbon transducer
Frequency Response: 50 Hz to 30k Hz
Dispersion (HxV): 100° H; vertical depends

Size (HxWxD): 8.5 x 30.75 x 20.25"
Weight: 37 pounds
Power: Unpowered
Notes: CPA7600-I install version offered
Companion Subs: SP15, SP1000, SP2000

slsaudio.com

Turbosound Flashline TFS-550H



Configuration: Three-way; dual LF
LF: (2) 6.5-inch woofers
MF: 4" neodymium cone MF
HF: 1" neodymium driver
Frequency Response: 80 Hz to 20k Hz
Dispersion (HxV): 110° x 8°

Size (HxWxD): 7.6 x 21.7 x 15.6"
Weight: 29.5 pounds
Power: Unpowered
Notes: Combined polyhorn and dendritic waveguide
Companion Sub: Flashline TFS-550L

turbosound.com

WorxAudio TrueLine V5



Configuration: Two-way; dual LF
LF: (2) 5" neodymium woofers
HF: 1" compression driver
Frequency Response: 65 Hz to 18k Hz
Dispersion (HxV): 120° x 10°
Size (HxWxD): 7.2 x 19 x 13.4"

Weight: 30 pounds
Power: Passive; optional digital amplifier
Notes: Proprietary FlatWave Former wave shaping device
Companion Sub: TrueLine X115

worxaudio.com