

# 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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://worxaudio.com)