



Mini Line Arrays

By George Petersen

A year ago in this space, we covered the topic of “compact” line arrays — referring to units where the woofers were nine inches in diameter or less. Of course, some of those entries, particularly three-way systems with dual 8-inch drivers, weighed more than 100 pounds, so the term “compact” had to be used in context to the larger format line arrays presented in the Buyers Guide in our May, 2012 issue. This time, we turned to units that are even smaller, having LF drivers less than seven inches in diameter and one entry even packing a pair of 3.5-inch woofers.

Now, expecting big performance out of smaller drivers may seem like a contradiction in terms. Physics dictates that achieving greater air movement requires increasing the surface area of the drivers, and assembling multiple units into a line array accomplishes just that. Now for the

bigger jobs, adding a subwoofer or two (or four) to the rig can provide enough air movement to effectively cool even the people in the back row. Obviously, a mini line array is hardly designed for long-throw applications, yet there are plenty of gigs where they can handle the show nicely and even be kind to your back during load in/out — or provide a more discreet, less noticeable appearance in a theater or small venue install. And many of these are also ideal in applications such as front-fill or under-balcony use, where a low-profile, diminutive, yet high-quality system is just the ticket.

And with that in mind, we present this look at some current choices in mini-sized line arrays, listed alphabetically, and with URLs provided, should you require more information. Happy hunting!

Alcons Audio LR14/90



Configuration: Two-way; dual LF
LF: (2) Neodymium 6.5"
HF: 4" Alcons RBN401 ribbon driver
Frequency Response: 74 Hz to 20kHz
Dispersion (HxV): 90° x 15°

Size (HxWxD): 6.7 x 22.6 x 12.6"
Weight: 33 pounds
Power: Passive; 400W max RMS handling
Notes: 120° version also avail.
Companion Sub: LR14B or LR16B

alconsaudio.com

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



Configuration: Three-way, dual LF
LF: (2) 6"
MF: (2) 6"
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, with three 500W Class-D amps
Notes: Onboard user-addressable DSP and Gunness focusing.
Companion Sub: NTS250

eaw.com

Behringer Eurolive ELX42



Configuration: Two-way; dual LF
LF: (2) 4" Kevlar-cone neodymium
HF: 1.35" titanium-dome compression driver
Frequency Response: N/A
Dispersion (HxV): 120° x 10°

Size (HxWxD): N/A
Weight: 21 pounds
Power: Passive; 275W RMS handling
Notes: Expected to ship in early 2013.
Companion Sub: Eurolive ELX212S

behringer.com

L-Acoustics KIVA



Configuration: Two-way; dual LF
LF: (2) 6.5"
HF: 1.5" exit compression 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

d&b Audiotechnik T10



Configuration: Two-way, dual LF
LF: Dual 6.6-inch
HF: Single 1.4-inch exit
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 with acoustics lens allows changing horizontal dispersion from 90° to 105°.
Companion Sub: T-SUB single-15

dbaudio.com

Lynx Pro Audio LX-F6



Configuration: Two-way; dual LF
LF: (2) 6" Neodymium with Nomex cones
HF: Single 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; onboard DSP
Companion Sub: LX-212S

lynxproaudio.com

Martin Audio OmniLine



Configuration: Two-way, dual LF
LF: (2) 3.5"
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

omniline-ma.com

Meyer MINA



Configuration: Two-way, dual LF
LF: (2) 6.5"
HF: 1.2" exit compression driver
Frequency Response: 66 Hz to 18k Hz
Dispersion (HxV): 100° (horizontal); vertical depends on number of units in array.
Size (HxWxD): 8.4 x 20.3 x 15.3"

Weight: 41 pounds
Power: (3) Class-D 975W amplifiers
Notes: Acoustical manifold horn is based on Meyer's REM ribbon emulation technology.
Companion Sub: 500-HP dual-12

meyersound.com

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° horizontal x 15-60° vertical (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

Outline Mini-COM.P.A.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

WorxAudio TrueLine V5



Configuration: Two-way; dual LF
LF: (2) 5" neodymium
HF: 1" exit 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

SLS LS6500



Configuration: Two-way; single LF
LF: 6.5"
HF: PRD500 Ribbon Driver
Frequency Response: 85 Hz to 20k Hz
Dispersion (HxV): 110° horizontal; vertical is array-height dependent
Size (HxWxD): 7.25 x 14 x 10"
Weight: 20 pounds
Power: LF/HF bi-amp
Notes: Includes LASS coverage prediction software
Companion Sub: 212-I

slsloudspeakers.com

Yorkville Sound



Configuration: Two-way; quad LF
LF: (4) long-excursion 6" neodymium woofers
HF: (2) 1" exit on Paraline lens
Frequency Response: 75 Hz to 20k Hz
Dispersion (HxV): 110° x 15°
Size (HxWxD): 14.5 x 20.5 x 16"
Weight: 47 pounds
Power: 625W Class-D + 75W Class-H amplifiers
Notes: Paraline horn based on VTC Elevation Series vertical array
Companion Sub: PSA 15

yorkvillesound.com