

# Column Speakers

By George Petersen

Driven a column array lately? Maybe not, because you still associate column systems with low-fi, 50-year-old, Vocal Master speakers on a church wall or a wedding band gig. Modern column array designs offer high intelligibility, wide bandwidth (especially if used with a companion subwoofer) and advanced features such as versatile mounting; powering options; onboard DSP — sometimes with the ability to steer audio directly to the listener. So, here's a selection of some next-gen products for portable and fixed applications...

Carvin TRC200A



**Application:** Portable  
**Drivers:** (2) columns with nine 3.5" drivers  
**Response:** 37 Hz-18k Hz  
**Horiz. Dispersion:** 120°  
**Size (HxWxD):** 92x24x23"  
**Weight:** 124 pounds  
**Power:** 2,000W  
**Standard Color:** Black  
**Notes:** Flyable satellites  
**Subwoofer:** Includes TRX3118A sub

carvinaudio.com

dB Technologies Ingenia IG4T



**Application:** Install  
**Drivers:** (4) 6.5" LF, 1.4" exit HF  
**Response:** 88 Hz-19.2 kHz (-6 dB)  
**Horiz. Dispersion:** 110°  
**Size (HxWxD):** 38.6x7.7x10.7"  
**Weight:** 40 pounds  
**Power:** Digipro G3 900W RMS  
**Standard Color:** Black  
**Notes:** Onboard DSP  
**Subwoofer:** Sub 15H, Sub 18H

dbtechnologies.com

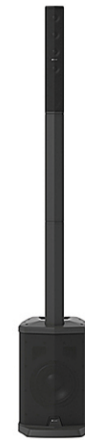
FBT Vertus CLA604a



**Application:** Install or portable  
**Drivers:** (6) 4" cone; (4) 1" HF  
**Response:** 130 Hz-20k Hz  
**Horiz. Dispersion:** 100°  
**Size (HxWxD):** 33x5x5.1"  
**Weight:** 25.3 pounds  
**Power:** Class-D 400+100W  
**Standard Color:** Black, white  
**Notes:** Mic/line input; four DSP presets  
**Subwoofer:** CLA208SA 600W sub

fbt.it

K-array GP-8A



**Application:** Portable  
**Drivers:** (4) 2.5" HF; 8" LF  
**Response:** 45 Hz - 20k Hz  
**Horiz. Dispersion:** 100°  
**Max Height:** 73"  
**Total Weight:** 32 pounds  
**Power:** 200W  
**Mix Inputs:** (2) XLR combo; 1/8"  
**Phantom Power:** No  
**Control App:** No  
**Notes:** MP3 playback from BT, USB or SD card

kgear.it

LD Systems MAILA-S



**Application:** Portable  
**Drivers:** (4) SATs each w/coax 6.5" and five 1" dome HF  
**Response:** 34 Hz - 20k Hz  
**Horiz. Dispersion:** 100°  
**Size (HxWxD):** 97x21x31"  
**Weight:** 464 pounds  
**Power:** 7,500W peak  
**Standard Color:** Black  
**Notes:** Stereo system expandable; by adding more SATs, MAILA COL MFs and SUBS  
**Subwoofer:** Includes (2) 2x15" MAILA-SUBs

ld-systems.com

RCF NXL 24-A Mk2



**Application:** Install or portable  
**Drivers:** (4) 6" woofers; 1.4" HF comp driver  
**Response:** 60 Hz - 20k Hz  
**Horiz. Dispersion:** 100°  
**Size (HxWxD):** 41.5x8x10.8"  
**Weight:** 53.8 pounds  
**Power:** 2,100W  
**Standard Color:** Black  
**Notes:** Onboard DSP  
**Subwoofer:** Sub 8004 AS

rcf.it

Studiomaster Direct 121



**Application:** Portable  
**Drivers:** (6) 3" MF; 1" HF; 12" LF  
**Response:** 20Hz - 20k Hz  
**Horiz. Dispersion:** 120°  
**Max Height:** 57"  
**Total Weight:** 50.6 pounds  
**Power:** 900 watts  
**Mix Inputs:** (2) XLR combo; 1/8" & RCA stereo  
**Phantom Power:** No  
**Control App:** No  
**Notes:** Versions with 10" sub and digital mixer also offered

studiomaster.com

Ashly IS-3.8



**Application:** Install  
**Drivers:** (8) 3" neodymium  
**Response:** 105 Hz-19k Hz  
**Horiz. Dispersion:** 170°  
**Size (HxWxD):** 32x4x5.1"  
**Weight:** 12.8 pounds  
**Power:** Unpowered; 8/32 ohms  
**Standard Color:** Black/white  
**Notes:** Up to 8 can be driven by one amp channel  
**Subwoofer:** SP 12.1P

ashly.com

d&b audiotechnik 24C



**Application:** Install  
**Drivers:** (6) 4" cone LF; (6) 1.1" HF  
**Response:** 110 Hz-17k Hz  
**Horiz. Dispersion:** 90°  
**Size (HxWxD):** 39.4x4.9 x4.9"  
**Weight:** 19.8 pounds  
**Power:** Unpowered  
**Standard Color:** Black or white  
**Notes:** d&b D6, D12 or D80 amps recommended  
**Subwoofer:** d&b 12S-SUB

dbaudio.com

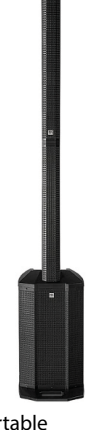
Eastern Acoustic Works LS832i



**Application:** Install  
**Drivers:** (8) 4" LF; (3) 1" tweeters  
**Response:** 100 Hz-20k Hz  
**Horiz. Dispersion:** 140°  
**Size (HxWxD):** 44x6.3x6"  
**Weight:** 30 pounds  
**Power:** Unpowered  
**Standard Color:** Black or white  
**Notes:** (6) mounting points  
**Subwoofer:** Numerous LF options

eaw.com

HK Audio Polar 12



**Application:** Portable  
**Drivers:** 1" HF; (6) 3" MF; 12" LF  
**Response:** 35 Hz - 20k Hz  
**Horiz. Dispersion:** 120°  
**Max Height:** 86"  
**Total Weight:** 62 pounds  
**Power:** 2,000 watts  
**Mix Inputs:** (2) XLR combo; 1/4" hi-Z; aux input  
**Phantom Power:** No  
**Control App:** No  
**Notes:** Bluetooth audio streaming

hkaudio.com

Kling & Freitag VIDA



**Application:** Install and portable  
**Drivers:** (12) 6.5" LF; (12) 3.5" MF; (32) 1" HF  
**Response:** 65 Hz-22k Hz  
**Horiz. Dispersion:** 90°  
**Size (HxWxD):** 44.6x8.3x13.4"  
**Weight:** 106 pounds  
**Power:** 48 DSP Class-D channels  
**Standard Color:** Black + RAL option  
**Notes:** J-Beam steering; DANTE, AES3, analog inputs  
**Subwoofer:** VIDA-C

klng-freitag.com

Meyer Sound CAL 64



**Application:** Install  
**Drivers:** (16) 4" LF; (48) 3/4" HF  
**Response:** 100 Hz-16k Hz  
**Horiz. Dispersion:** 120°  
**Size (HxWxD):** 87.8x7.8x9.9"  
**Weight:** 124 pounds  
**Power:** Amp channel for each driver  
**Standard Color:** Black, white, custom  
**Notes:** HF beam steering; 32/96 driver versions avail.  
**Subwoofer:** Various sub options

meysound.com

Renkus-Heinz Iconyx Compact 24/3-RN



**Application:** Install  
**Drivers:** (24) 3" cone drivers  
**Response:** 135 Hz-17k Hz (±3 dB)  
**Horiz. Dispersion:** 120°  
**Size (HxWxD):** 79x4.4x4.75"  
**Weight:** 52 pounds  
**Power:** 24 amp channels  
**Notes:** RHAON II beam-steering; AES and analog inputs  
**Subwoofer:** Various avail.

renkus-heinz.com

Yamaha VXL1B-16P



**Application:** Install  
**Drivers:** (16) 1.5" neodymium  
**Response:** 80 Hz-20k Hz  
**Horiz. Dispersion:** 180°  
**Size (HxWxD):** 49x2.15x4.1"  
**Weight:** 11 pounds  
**Power:** 6-15 watts  
**Standard Color:** Black, white  
**Notes:** PoE powered system; Dante input  
**Subwoofer:** Various offered

usa.yamaha.com

Bose Panaray MSA12X



**Application:** Install  
**Drivers:** (12) 2.25" MF/HF  
**Response:** 100 Hz-16k Hz  
**Horiz. Dispersion:** 145°  
**Size (HxWxD):** 38.8x4.2x5"  
**Weight:** 19 pounds  
**Power:** Unpowered  
**Standard Color:** Black or White  
**Notes:** Outdoor MA12EX version offered  
**Subwoofer:** MB12, MB24

pro.bose.com

Danley Audio SBH10



**Application:** Install  
**Drivers:** (8) 5" coaxials  
**Response:** 77 Hz-15k Hz  
**Horiz. Dispersion:** 140°  
**Size (HxWxD):** 60x9x9"  
**Weight:** 100 pounds  
**Power:** Unpowered  
**Standard Color:** Black  
**Notes:** Paraline lens horn design  
**Subwoofer:** Danley TH112 or TH115

danleysoundlabs.com

Electro-Voice Evolve 50M



**Application:** Portable  
**Drivers:** (8) 3.5" HF; 12" LF  
**Response:** 43 Hz - 20k Hz  
**Horiz. Dispersion:** 120°  
**Max Height:** 89"  
**Total Weight:** 59 pounds  
**Power:** 1,000 watts  
**Mix Inputs:** (2) XLR combo; 1/8" & RCA stereo  
**Phantom Power:** Yes  
**Control App:** Yes  
**Notes:** White version available

electrovoice.com

JBL PRX ONE



**Application:** Portable  
**Drivers:** (12) 2.5" HF; 12" LF  
**Response:** 40Hz - 20k Hz  
**Horiz. Dispersion:** 130°  
**Max Height:** 80.4"  
**Total Weight:** 55.6 pounds  
**Power:** 2,000 watts  
**Mix Inputs:** (4) XLR combo; (2) Hi-Z; 1/8"  
**Phantom Power:** Yes  
**Control App:** Yes  
**Notes:** Onboard DriveRack and Lexicon effects

jblpro.com

L-Acoustics Syva



**Application:** Install or portable  
**Drivers:** (6) 5" MF, (3) 1" HF  
**Response:** 87 Hz-20k Hz (-10 dB)  
**Horiz. Dispersion:** 140°  
**Size (HxWxD):** 51.3x5.7x8.2"  
**Weight:** 46 pounds (single column)  
**Power:** LA4X w/four 1,000W outputs  
**Standard Color:** Black, RAL available  
**Notes:** Numerous mount/fly hardware  
**Subwoofer:** Syva Low/Syva Sub options

l-acoustics.com

QSC AD-S162T



**Application:** Install  
**Drivers:** (16) 2.75" cone transducers  
**Response:** 90 Hz-17k Hz  
**Horiz. Dispersion:** 160°  
**Size (HxWxD):** 45.8x5.2x5"  
**Weight:** 26 pounds  
**Power:** 70/100V or 8-ohm inputs  
**Standard Color:** White or black  
**Notes:** Intended for indoor or outdoor use  
**Subwoofer:** Various subwoofer options

qsc.com

Sound Barrier LX12275



**Application:** Portable and install  
**Drivers:** (12) 2.75" full range  
**Response:** 50 Hz-20k Hz with sub  
**Horiz. Dispersion:** 120°  
**Size (HxWxD):** 37x3.7x3.7"  
**Weight:** 14.6 pounds  
**Power:** Unpowered  
**Standard Color:** Black  
**Notes:** Pole socket and M6 fly points  
**Subwoofer:** LX210AS and LX210A

soundbarrier.com

Yorkville EXM 400



**Application:** Portable  
**Drivers:** (4) 3.5" HF; 10" LF  
**Response:** 50 Hz - 20k Hz  
**Horiz. Dispersion:** 150°  
**Max Height:** 78"  
**Total Weight:** 43 pounds  
**Power:** 400 watts  
**Mix Inputs:** (2) XLR-combo; (2) 1/4" stereo  
**Phantom Power:** No  
**Control App:** No  
**Notes:** Bluetooth streaming

yorkville.com