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## Apogee Sound Announces New Linear Array Column Speaker

InfoComm booth 5861

June 1, 2017, Mahwah, NJ – Today Bogen Communications announced the latest professional loudspeaker from its Apogee Sound International brand.

The Apogee ALA-C1 is a high-fidelity, passive 2-way, indoor/outdoor, 70V/8-Ohm, linear array column loudspeaker designed for speech enhancement and music reproduction in small and medium-sized public spaces such as school and civic auditoriums, small theaters, lecture halls, and houses of worship.

The ALA-C1's line source array is comprised of nine 4-inch mid/woofers in a line source configuration and six 1-inch tweeters precisely placed on a glass-filled polypropylene bridge. The design offers extremely broad horizontal dispersion (140-degrees) and focused vertical dispersion (25-degrees) – ideal for uniform side-to-side coverage while minimizing ceiling and floor reflections that could degrade intelligibility.

The 4-inch mid/woofer drivers use aluminum alloy diaphragms with a low viscosity ferro-magnetic liquid suspension in place of the usual distortion-inducing mechanical spider. The surrounds are a polymer amalgam that is impervious to salt, fertilizers, chlorine, UV, temperature extremes and the other environmental elements that destroy typical rubber surrounds. Likewise, the tweeter domes are also metal alloy diaphragms with the same suspension technology as the mid/woofers. These technologies account for the low

distortion, high definition sound of the ALA-C1 across a wide temperature range, as well as the ability to withstand many years of outdoor exposure.

With a system sensitivity of 93dB (1W @ 1M), the ALA-C1 achieves high SPL (118dB continuous, 121dB peak @1M) with even modestly powered amplifiers. At the same time the robust components delivers high power handling (400W continuous, 800W peak) and rock solid reliability.

The enclosure and grille frame are constructed from 6061-T6 extruded aluminum alloy, with internal ribs to virtually eliminate enclosure resonance. The finish is a UV resistant powder coat. The speaker is available in either black or white, or can be painted to match the surrounding décor.

The built-in multi-tap autoformer offers five power levels 8W, 16W, 32W, 64W and 128W with 70V operation, plus 8-Ohm bypass for use with low impedance amplifiers.

A vertically adjustable, color-matched ball joint wall-mounting bracket with safety cable is supplied with the speaker.

The ALA-C1 will be on display in Bogen's booth # 5861 at InfoComm 2017. It is expected to be available for sale to authorized Apogee dealers in September 2017.

#### **About Bogen**

For more than 85 years, Bogen Communications, Inc. has been a leading provider of commercial amplifiers, speakers, and intercom systems for music, paging, and educational applications. For more information, contact Bogen Communications, Inc., 1200 MacArthur Blvd., Suite 304, Mahwah NJ 07430-2331; 201-934-8500, fax: 201-934-9832, e-mail: [info@bogen.com](mailto:info@bogen.com), web sites: [www.bogen.com](http://www.bogen.com) (commercial audio and paging), [www.bogenedu.com](http://www.bogenedu.com) (education communications systems) and [www.apogee-sound.com](http://www.apogee-sound.com) (professional audio).