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ONE SYSTEMS™ LINE OF LOUDSPEAKER PRODUCTS OFFERS A HIGHLY VERSATILE WAY OF “SINGIN’ IN THE RAIN”

Multiple speaker configurations, enclosure construction materials and designs combined with advanced Equivalent Throat™ and Inside/Only Voice Coil™ technologies give installers more choices and improved tools to tackle outdoor audio installations

INFOCOMM SHOW, ANAHEIM, CALIFORNIA, JUNE 19, 2007 ñ **One Systems™ USA** introduces a complete line of direct-weather sound system components utilizing patent applied for technologies that bring high performance, high intelligibility audio to outdoor installations.

The loudspeaker enclosures are comprised of either highly weather resistant injection-molded copolymer or weather treated birch plywood that is resistant to the effects of direct-weather conditions. One Systems loudspeaker systems implement the company’s revolutionary new transducer technologies. The Equivalent Throat (ET)™ driver technology and the Inside/Only Voice™ coil, which bring highly intelligible sound to weatherproof sound systems.

One System's product array offers solutions for every scenario. All-weather applications - sound system components that will be fully exposed to all types of harsh weather conditions ñ are addressed by the IM Series of lightweight yet rugged copolymer two-way enclosure with advanced performance features. One Systems' direct weather products offer a palette of stainless steel mounting systems designed to provide very high safety factor ratings in extreme weather conditions. There are a dozen loudspeaker and subwoofer models to choose from, all of which are designed to not only offer excellent full range reproduction but superior vocal reproduction and intelligibility as well.

One System's product array offers solutions for direct weather sports facilities, community parks, theme parks and other outdoor entertainment venues. In direct-weather applications where speaker systems have no structural coverage such as overhangs or balconies, One Systems' product array is very diverse. The line includes a twelve inch two-way system in both copolymer and birch plywood enclosures, two double twelve inch two-way systems with copolymer cabinets, one double twelve inch line array system with a copolymer cabinet, three fifteen inch two-way systems with birch plywood enclosures, one double fifteen inch two-way system with birch plywood enclosure, one

eighteen inch sub bass system in a birch plywood enclosure, and a double eighteen inch sub bass systems in a birch plywood enclosure.

All One Systems direct weather speaker systems come with aluminum or stainless steel internal framing and hardware, and have multiple hang points, all with M10 hanging points and many also including 3/8" hanging points. All One Systems two-way systems include rotatable horns, with several models including both 60 x 40 degree ETS horns, as well as 105 x 60 degree ETS horns included at no additional cost. Inputs for all speaker systems are 4 position barrier or 2 each 4 pin Speakon. One Systems speakers include a 3 layer "rain shield" design that minimizes direct rain or snow contact with the systems' transducers. The direct weather enclosures and grill design are rated to IEC IP45 (solid object penetration to 1 mm (0.04 inches) and water jets from any direction). The enclosures and components are also rated to Mil Spec 810.

In addition to the direct weather speaker systems, One Systems also offers three high quality self-powered systems including a twelve inch two-way system (112IM-A™) with a copolymer cabinet, a fifteen inch two-way system (115TW-A™) with a wood cabinet, and an eighteen inch sub bass system (118Sub-A™) with

a wood cabinet. These three systems provide Class D amplification with a 24-bit DSP-based preamplifier for comprehensive signal conditioning and system protection.

One Systems' loudspeaker products are perfectly matched to its line of electronics products. The 2.4EN is a lightweight 1,200-watt/4-ohm Class H power amplifier that offers DSP-based filtering, EQ and dynamics processing, a 2-second-per-channel programmable delay and weighs under 27 lb. / 12 kg. The IsoMatch 1200 is a 1200-watt output isolation and matching transformer that's a perfect solution for high-power distributed audio systems, including emergency evacuation and life safety. The System Supervisor is a highly flexible 4-in/8-out crosspoint router and system crossover with 6 bands of EQ and multilevel security capability built in.

One Systems loudspeakers offer key new technologies, developed by acoustics engineer Mike O'Neill.

- Equivalent Throat (ET) driver/horn designs utilize the compression driver magnetic return back plate to provide an included angle (or combination of angles) to provide directional information to the emerging wavefront. The wide dispersion horns have a rear geometry that matches the exit geometry of the equivalent throat driver. The novel and

unique aspect of the Equivalent Throat system is that the driver is capable of producing wider dispersion and beamwidth than a conventional driver because the exit radius is coincident with the phase plug summation plane.

- The Inside/Only Voice Coil technology offers high thermal conductivity for the entire vertical voice coil height and reliable, consistent cooling regardless of voice coil physical displacement. The voice coil is wound on the inside of the bobbin and the pole piece portions of the low carbon steel magnetic return path may be made as tall as required, insuring good thermal conduction regardless of physical displacement. This geometry does not alter the permanent magnet gap volume or symmetry and offers superior protection from catastrophic rubs and electrical short and open circuit failures.

“All of the One Systems products are derived from an engineering philosophy that puts great sound and great performance under even the most adverse meteorological conditions on the same level,” explains Doug MacCallum, President of One Systems USA, Inc. “These are new products but as importantly they are next-generation products that benefit from advanced technology solutions allowing us to combine great sound and high performance in all types of outdoor

environments. They're solutions that will give the systems integrator and installer another dimension in terms of what they can offer their customers without the delays and higher costs normally found by special ordering from other vendors."

All of the One Systems products will be on display at booth 9366 at the InfoComm Show.

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Headquartered in Nashville, Tennessee, One Systems USA, Inc. is a subsidiary of One Systems Group.

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