



POPS   

Powered Outdoor Presentation System



ONE SYSTEMS®

Direct Weather Loudspeakers





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POWERED OUTDOOR PRESENTATION SYSTEM (POPS)

Since its founding in 2006, One Systems has always done things a little differently. By eschewing tradition, One Systems has created leading-edge acoustic breakthroughs like its patented Equivalent Throat Technology™ and Inside Only™ voice coil designs and has grown into an innovative company that never builds “me-too” products. One Systems has created the world’s best line of professional, direct-weather, high-performance speaker systems - Every One Systems model is direct-weather capable.

One Systems’ new Powered Outdoor Presentation System (POPS) is a solution to a long-standing need in the professional audio market for a high-output, easily- portable full-range sound system capable of being used outdoors in rain, snow and temperature extremes, as well as indoors too. The POPS is comprised of the POPS 15, a bi-amplified 15-inch two-way system, and the POPS Sub, a powered 18-inch subwoofer system. Although both models are available separately, the combination creates a truly synergistic sound system that truly is more than the sum of its parts. POPS sets new standards for power, versatility, impeccable performance and simple use in one well-crafted, rugged, direct-weather-capable system.

POPS is primarily designed for sound reinforcement use at outdoor sporting events, festivals, drama and theatre events, live musical acts or for high-level music playback.

POPS’ sound quality, vocal intelligibility, musical definition and wide response make it the perfect solution for a range of applications that require top-shelf performance, plus it can easily withstand the elements too.

POPS was designed to be easily portable, fast and simple to set up and use. Although POPS is technically-sophisticated, the difficult work of adjusting amplifier gains, tweaking dynamics processing and EQ parameters was all done by One Systems engineers, making POPS a true plug-and-play system. Thanks to its well-designed limiting and protection, you don’t have to worry about uninitiated operators or accidents in use spoiling a performance – the POPS’ design is rock-solid.

The POPS’ enclosures, electronics, loudspeaker components and even its accessories have been designed for use in inclement weather conditions. All drivers used in the system are designed and specially-treated to prevent moisture absorption; the enclosure materials were carefully-selected to handle wet conditions and the effects of temperatures plus whatever rigors they might encounter during transportation. POPS’ digitally-controlled amplifiers and signal processing are engineered to deliver state-of-the-art amplification and full driver protection while making certain moisture doesn’t affect performance. The POPS is a sweet-sounding system with muscle, brains and toughness.



POPS 15

Specifications	POPS 15
System Type:	Powered, digitally-controlled 15-inch two-way full-range
Frequency Range (-10 dB):	45 Hz - 20,000 Hz
Frequency Response (-3 dB):	50 Hz - 20,000 Hz
Coverage Pattern (H x V):	60° x 40°
Total System Power (Peak / Continuous):	1,600 / 800 watts
LF Power (Peak / Continuous):	1,200 / 600 watts
HF Power (Peak / Continuous):	400 / 200 watts
Crossover Frequency / Type:	1,500 Hz / Linkwitz-Riley
LF Driver:	15-inch w/ 4-inch voice coil
HF Driver:	Large-format compression driver
Rated Maximum SPL (Peak / Continuous):	128 dB / 125 dB
Fly Points:	7 x M10 stainless steel
Direct-Weather Performance:	IEC 529 / IP 56
Input / Thru:	3-pin XLR-XLR-type, Pin 2 +
Stand Mount:	35-mm / 1-3/8-inch
Dimensions (H x W x D) inches:	29.21 x 14.6 x 17.1 in
Dimensions (H x W x D) mm:	742 x 370 x 433.5 mm
Enclosure Material:	Injection-molded PP
Net Weight:	29 kg / 64 lb

Included Accessories: Custom AC mains cable (30.5m / 100ft) supplied on portable cable reel; 3-pin XLR-type signal cable (30.5m / 100ft) with IP 67-rated connectors supplied on portable cable reel

**POPS 15
Powered 15-Inch Two-Way System**

The POPS 15 houses premium-quality speaker components, including a 15-inch Narrow-Profile woofer with a 4-inch (101.6 mm) voice coil, a large-format compression driver and a High-Q 60° x 40° constant-directivity horn capable of delivering medium to long-throw coverage. The POPS 15 is also equipped with 1,600 watts of peak bi-amplified class-D power and onboard digital signal processing that provides high-order filtering and crossover functions, free-field optimized equalization plus system dynamics and protection algorithms.

The POPS 15's large-format HF driver and its High-Q 60° x 40° horn ensures the output and projection capability to cover large audience areas. POPS 15's well-controlled output doesn't waste energy bouncing audio off of adjacent walls and it delivers sound precisely where the speaker is aimed.

The POPS 15's slim enclosure is injection-molded from a special resin designed to withstand rough weather and exposure to ultra-violet rays. All of the POPS 15's



rigging components and its 3-layer "rain-shield" grille are made of ultra high-grade stainless steel. The enclosure is designed to IEC 529 / IP 56 ingress protection standards and its transducers, electronic switches and input / output connections are designed to meet weather / waterproof requirements.

The POPS 15 can be stand-mounted with its built-in adapter or flown thanks to its 7 included M10 fly points and optional hardware. The POPS 15 can be safely suspended vertically or horizontally to meet any application requirement.

POPS SUB

Specifications	POPS SUB
System Type:	Powered, digitally-controlled 18-inch subwoofer
Frequency Range (-10 dB):	37 Hz - 80 Hz
Frequency Response (-3 dB):	40 Hz - 80 Hz
Coverage Pattern (H x V):	Essentially Omnidirectional
System Power (Peak / Continuous):	1,600 / 800 watts
Crossover Frequency / Type:	80 Hz High-Pass / Linkwitz-Riley
LF Driver:	18-inch with 4-inch voice coil
Rated Maximum SPL (Peak / Continuous):	130 dB / 127 dB
Signal Input:	3-pin XLR-type, pin 2 +
Signal Output:	High-Pass Filtered, 80 Hz, 4th order
Threaded Metal Pole Mount:	35-mm / 1-3/8-inch
Dimensions (H x W x D) inches:	30.5 x 30.7 x 26.4 in
Dimensions (H x W x D) mm:	776 x 780 x 670 mm
Enclosure Material:	Marine-Grade Birch plywood
Net Weight:	44 kg / 97 lb

Included Accessories: Heavy-duty, large-diameter pneumatic casters; adjustable-height stainless steel speaker mounting pole; 30.5m / 100ft 3-pin XLR-type signal cable with IP 67-rated connectors supplied on portable cable reel; 30.5m / 100ft AC mains cable supplied on portable cable reel

**POPS SUB
Powered 18-inch Subwoofer**

The POPS Sub extends the bandwidth of the POPS 15 and the combination of the two creates a wide-range 3,200-watt tri-amplified, digitally-controlled powered sound system.

The POPS Sub utilizes a high-output 18-inch (457 mm) woofer with a 4-inch (101.6 mm) voice coil powered by a 1,600-watt class-D amplifier with custom-tuned digital signal processing. Its combination of perfectly-matched acoustics and electronics delivers incredibly solid

low-end, full-impact dynamic range and complete system protection.

The POPS Sub's enclosure is constructed from heavily-braced 18-mm marine-grade birch plywood that is painted internally and externally with a wear and weather-resistant polyurethane finish. It's also equipped with a high-grade stainless steel 3-layer "rain-shield" grille and rigging hardware. The enclosure is designed to IEC 529 / IP 45 ingress protection standards and its transducer, electronic switches and input / output connections all meet weather / waterproof requirements.





EASY TO MOVE, SET UP AND USE

Thanks to the POPS Sub and POPS 15's compact size and the Sub's large-diameter, lockable pneumatic wheels, the two can be stacked together for easy transportation and rolled into place even across soft-soil areas such as sports fields or large grassy areas. The POPS Sub also includes a crank-up, height-adjustable stainless steel pole for elevating the POPS 15.

The POPS 15 and POPS Sub each come with extra-long AC and 3-pin XLR-type signal cables to facilitate hookup in real-use applications. Hooking up the system is as simple as plugging the AC cables into a power source, running a signal cable to a mixing console and connecting the two speakers using the filtered HF output on the Sub. Setting up a high-output, tri-amped sound system doesn't get any easier than POPS.

For schools, religious groups, facilities or organizations with widely-varying requirements, the POPS System has the perfect combination of high performance, portability and flexibility unmatched by any other powered system. Indoors or outside in rain, sun or snow, no other powered system can top the POPS.



AC cable reel

The POPS 15 and POPS Sub each includes a custom 30.5 m / 100 ft AC cable with moisture-resistant connectors that is supplied on a portable cable reel for fast, safe connections and easy transportation. The cable is brightly-colored for added safety.



XLR cable reel

The POPS 15 and POPS Sub each come with a custom 30.5 m / 100 ft 3-pin XLR-type signal cable that is supplied on a portable cable reel that makes transport and hookup easy. The cable's bright yellow color for added safety.



Mounting pole

The POPS Sub comes with a threaded, stainless steel pole for mounting a full-range speaker above the sub. The pole's height is adjustable for elevating the speaker for optimum audience and venue coverage.



Eyebolt kit

POPS 15 can be safely flown horizontally or vertically using the optional One Systems Eye Bolt Kit which contains 4 x M10 15-mm stainless steel bolts.



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