



**ONE SYSTEMS**<sup>®</sup>  
ACOUSTIC EXCELLENCE<sup>®</sup>

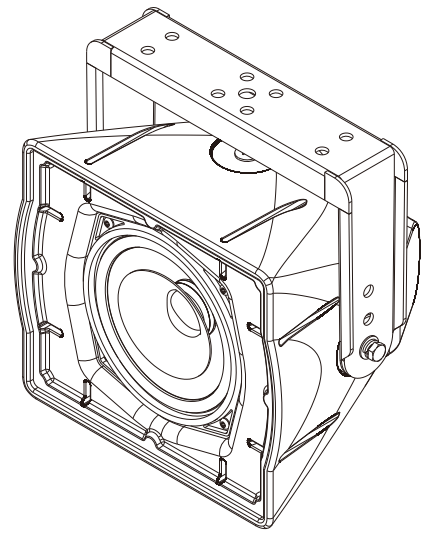
## ONE.SP6

### OVERVIEW:

The One Systems ONE.SP6 is a weather protected, horn-loaded small-format speaker. Its one-piece rotomolded enclosure is made of strong, UV resistant High-Density Polyethylene (HDPE). Its enclosure is ported to aid low frequency extension, and its 6.5-inch coax driver is horn-loaded to achieve higher output than would otherwise be possible. The enclosure is equipped with 3 x M8 stainless steel rigging points, which can be used in conjunction with the included U-Bracket for mounting to walls or ceilings. A 35 mm / 1-3/8-inch speaker pole socket is also provided for temporary setups. The grille is made from CNC punched structural steel and is coated with a two-layer zinc rich, UV resistant powder coat finish. The system's coax driver has a specially-treated cone that resists moisture and dry rot. Its high-energy ferrite magnet ensures high output for maximum coverage. Its HF driver is equipped with a titanium diaphragm and is coupled to a short horn that provides good projection with superb pattern control. When pole mounting is required, an optional pole mount kit is also available.

### PERFORMANCE:

The ONE.SP6 provides high vocal intelligibility and impressive acoustic output capability from its small-sized enclosure. Its 1.34-inch compression driver with titanium diaphragm delivers extended response with precise transients and it permits a lower crossover frequency for a smoother more coherent sound. Its coaxially-mounted HF driver and horn provides a big sound with surprising "throw" capability from its small-size enclosure. The woofer's specially treated cone and surround provide superior resonance damping and resistance against moisture and dry rot. The ONE.SP6 can deliver 115 dB of continuous output with a 150-watt input.



### FEATURES AND BENEFITS

- High-performance 6.5-inch two-way coaxial speaker that provides high intelligibility and good performance from a compact-sized enclosure
- 150 watts continuous, 600 watts peak power handling
- Can be powered Lo-Z (8 ohms) or Hi-Z (70.7 or 100 volts) via selectable taps at 50, 25 or 12.5 watts
- 90° x 90° coaxial horn with superb pattern control
- Stainless steel rigging points provide long-term safety and high corrosion resistance
- Includes robust U-Bracket made of structural steel with dual-layer, zinc-rich powder coating
- Built-in 35 mm / 1-3/8-inch pole mount socket
- IP 55 direct weather rating permits use for inland outdoor environments
- Optional ONE.PMK pole mount kit available for mounting to round or square poles

## ONE.SP6 SPECIFICATIONS

**Frequency Response:** 120 - 18,000 Hz  $\pm$  3 dB  
**Frequency Range:** 110 - 20,000 Hz -10 dB  
**Power Handling:** 150 watts continuous  
 300 watts program  
 600 watts peak \*

**NOTE:** All system power handling ratings are amplifier headroom dependent

**Sensitivity (1 watt @1 meter):** 93 dB  
**Calculated Output Capability:** 115 dB continuous  
 121 dB peak

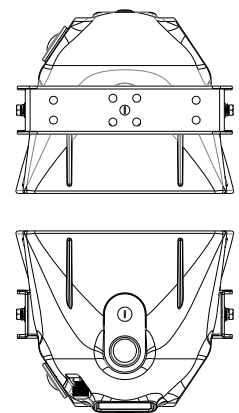
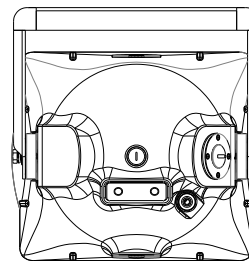
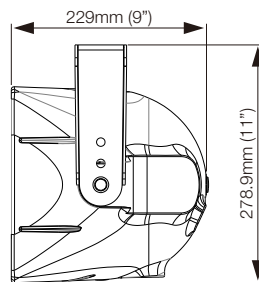
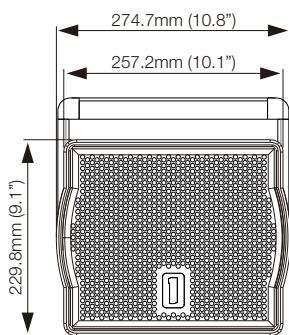
**Coverage (H x V):** 90° x 90°

**Nominal Impedance:** Can be powered as an 8-ohm load or through autoformer taps at 50, 25 and 12.5 watts @ 70.7 or 100 volts

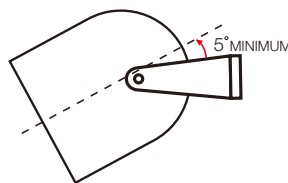
**Input Connection:** 2 m (6.6 ft) 2-conductor cable  
**LF Transducer:** 6.5 in / 305 mm with 1.75 in voice coil  
**HF Transducer:** 1.34 in voice coil with titanium diaphragm  
**Dimensions (H x W x D), mm:** 229.9 x 274.7 x 229 mm  
**Dimensions (H x W x D), in:** 9.1 x 10.8 x 9 in  
**Net Weight:** 8 kg / 17.6 lb  
**Direct Weather Performance:** IEC 60529 / IP 55  
**Finish:** Gray  
**Recommended High-Pass:** 110 Hz, 24 dB Butterworth  
**Optional Accessories:**  
**Pole Mount Bracket:** ONE.PMK  
**EASE Data:** [www.onesystems.com/ease-data](http://www.onesystems.com/ease-data)

## DIRECT-WEATHER FEATURES

- Rotomolded enclosure is made of High-Density Polyethylene (HPDE) resin with steel reinforcements that provides very high UV, moisture and temperature resistance
- Rigging hardware is made of stainless steel for long-term safety and high corrosion resistance
- Three-layer "rain shield" grille is made of structural steel with a marine-capable powder coating that permits use for inland outdoor applications more than 16 km / 10 miles from oceans or salt air
- The system is rated IEC 60529 Standard / IP 55 (dust protection is provided that prevents interference with normal operation; penetration against water jets from any direction)
- Input cable is sealed with an IP 68-rated gland nut to prevent moisture intrusion
- Advanced transducer's specially-treated cone and surround are specially treated to handle moisture, temperature and humidity extremes while delivering premium audio performance



**Notice:** The enclosure must be installed by orienting the logo towards the bottom of the cabinet with a down-tilt of at least 5 degrees

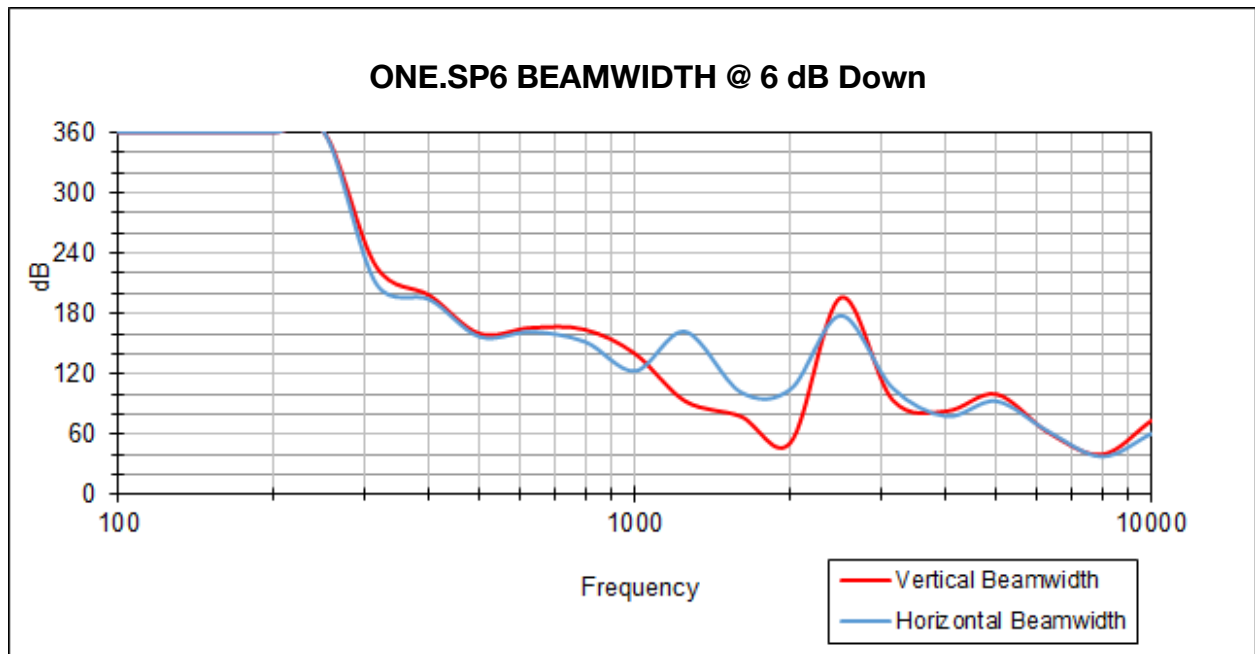
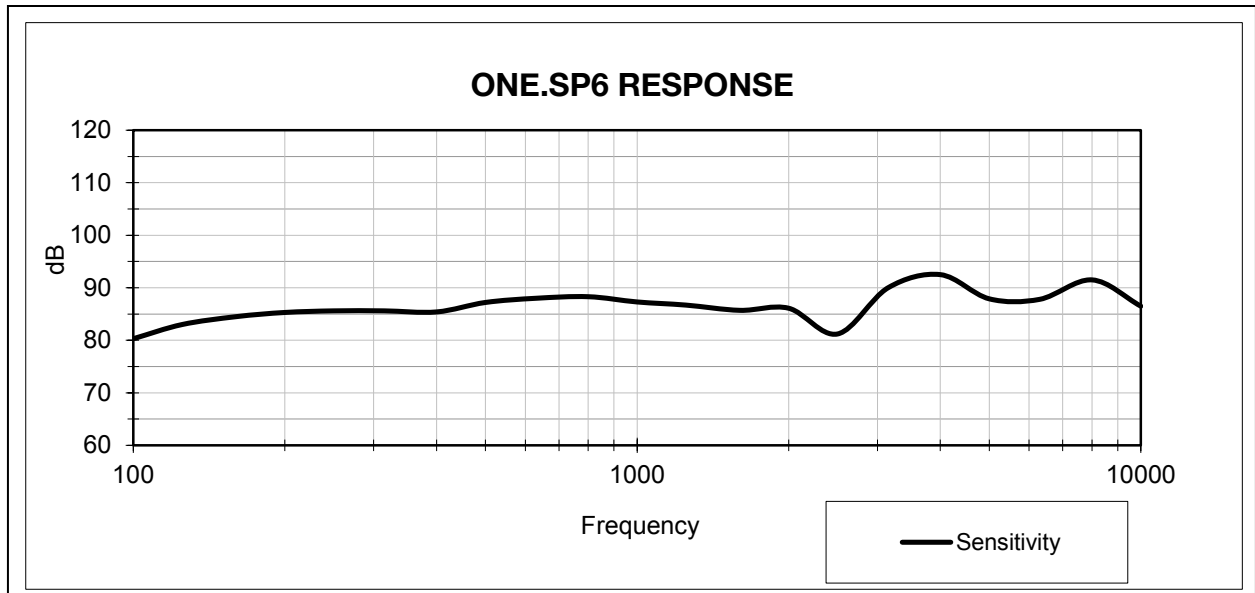


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**NOTE: These measurements were created using EASE software, which limits the bandwidth to 100 - 10,000 Hz that is critical for full-range loudspeakers**



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