



# 103IM™

## Direct Weather High Performance Loudspeaker System

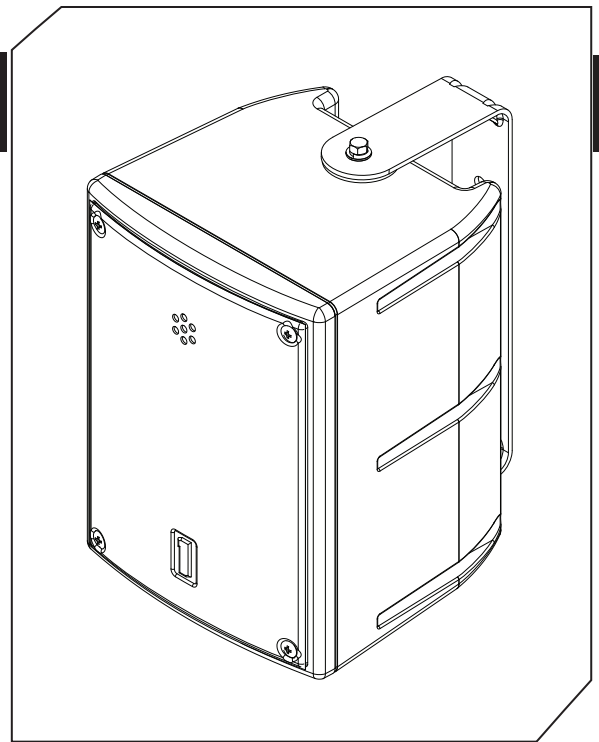
ONE SYSTEMS®

The One Systems 103IM was designed to provide high acoustic output and IP56 rated direct weather performance in high performance acoustic spaces. The 103IM is a very high performance back ground/fore ground system designed for use in all weather conditions.

The design includes a high frequency driver coupled to a constant directivity elliptical horn. The driver/horn directivity is 90 degrees horizontal by 40 degrees vertical. The high efficiency HF driver and advanced crossover design provide for very high power handling and system reliability, without the need for performance degrading passive protection devices typically found in loudspeaker systems of this class. The 3.5" (90mm) high performance woofer also presents a unique design feature that provides both extended bandwidth response, as well as superior low frequency power handling. The 3.5" woofer features a very large diameter 1.25" (31.8mm) voice coil design that offers excellent system reliability without the need for additional performance degrading protection devices. The combination of high efficiency horn loaded tweeter and very large format voice coil design in the woofer, yield superior system intelligibility and vocal range integrity.

The enclosure is an injection molded design featuring a high weatherability material designed for use in extreme environments and offers a high degree of UV protection for use in direct sunlight. The enclosure has 2 mounting points (M5) on the top and bottom of the enclosure and 4 mounting points (M5) for the optional PT-10 pan and tilt bracket on the rear of the enclosure and may be mounted using either the 103IM-U "U" bracket (supplied), or the optional PT-10 pan and tilt bracket. All mounting points are stainless steel. The grill assembly is a 3 layer design optimized for acoustic transparency and weather protection from both wind blown particles and water.

The input section features a weather cover with an integral gland nut that is rated to an IP68 standard. System inputs are via a four position barrier strip. The 103IM is available in both an 8 ohm impedance, as well as both 70.7 volt and 100 volt versions. The transformers are wide bandwidth transformers with 50 watt, 25 watt and 12.5 watt taps that are accessible thru the four position barrier strip.



### FEATURES AND BENEFITS

- Direct weather 3.5" two way system
- High Performance Foreground/Background
- Direct Weather High Performance
- Stainless Steel Rigging and Grill
- IP 56 Rated
- Large Format voice coil designs
- U Bracket Included
- Available Pan and Tilt

### SPECIFICATIONS

Frequency Response	85Hz-20kHz
Coverage Pattern	90H x 40V
Passive Crossover	3000HZ
System Sensitivity (1 watt 1 meter)	87dB
Power Handling	50 watts Continuous 100 watts Program 200 watts Peak
Nominal Impedance	8 ohms
Weather Performance	IP56
Net Weight	3.0kg (6.6lbs)
Transformer Version	3.5kg (7.7lbs)
Dimensions (H x W x D)	211.2mm x 156.2mm x 130.5 mm 8.3in x 6.15in x 5.1 in

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