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108CIM/70/100™

LIGHTWEIGHT COPOLYMER-BASED
ALL-WEATHER LOUDSPEAKER SYSTEM

ONE SYSTEMS®

The 108CIM/70/100 is an all-weather loudspeaker system designed for use in direct weather outdoor installations, as well as indoor applications where high vocal intelligibility and accuracy are required. The 108CIM/70/100 is a coaxial design that features a medium format high frequency compression driver. The titanium based compression driver produces a nominal 70-degree conical radiation pattern. The 108CIM/70/100 is available in black and white finishes. The 108CIM/70/100 is NOT approved for use in indoor swimming pool (Natatorium) environments.

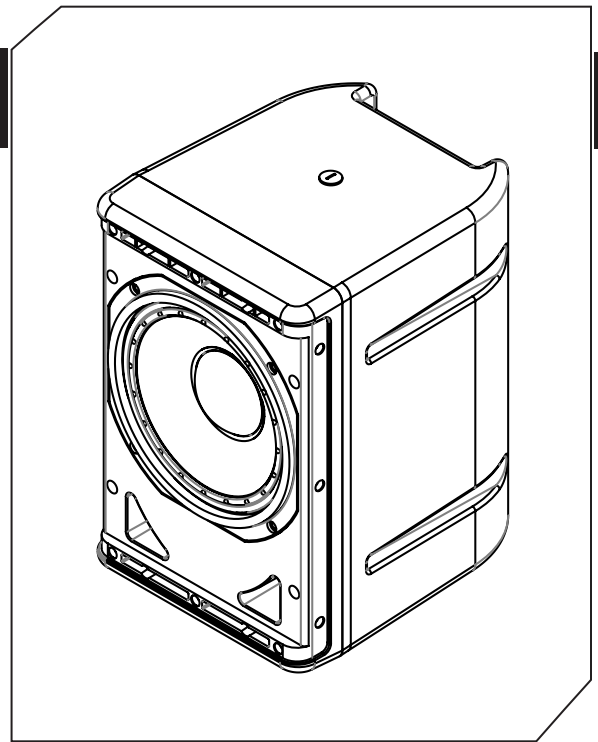
The 108CIM/70/100 system offers a complete selection of optional flying/suspension hardware. The system features a 150-watt 3-tap line matching transformer. The tap values are 150 watts, 75 watts, and 37 watts. The 108CIM/70/100's transformer version may be easily configured for either a 100V or 70.7V primary.

The 108CIM/70/100 is optimized for outdoor short throw applications such as theme parks, parade routes, baseball stadiums, and other entertainment and sports venues where permanent installation in direct weather is required. Its high acoustic output-to-size ratio makes the system ideal for short throw (70 x 70 conical) applications. The system is also well suited for outdoor general public address applications. The 108CIM/70/100 is equally well suited for general-purpose indoor applications in multi-purpose rooms, indoor sports venues for general performance or vocal intensive applications.

The 108CIM/70/100's enclosure is made of a copolymer that is optimized for high UV exposure and long life in harsh environments. Its metal grille and external suspension points are made of 304-grade stainless steel. Its suspension reinforcement hardware is made of high strength aluminum.

The grille utilizes a 3-layer "rain shield" design that minimizes direct rain contact with the system's transducers. The unique vent design also allows for easy moisture drainage from the interior of the enclosure. The enclosure and grille design are rated to IEC 529 / IP 45 (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.

The input section consists of a 5-pin barrier strip. A weather cover is provided with an integral gland nut connector for outdoor applications.



FEATURES & BENEFITS

- » Direct weather 8-inch coaxial two way system
- » Optimized for high intelligibility and vocal articulation
- » Hi-Z with 150 watt 3-tap 100V or 70.7V line matching transformer (150 watt, 75 watt, and 37 watt taps)
- » Very high-output-to-size ratio
- » Available in Black and White finishes (paintable)
- » Multiple M8 flying points
- » Available Pan and Tilt, U-Bracket, and eyebolt rigging
- » Weather cover with gland nut for outdoor installation

SPECIFICATIONS

Frequency Response:	70Hz - 16kHz
Coverage Pattern:	70 x 70 Conical
Passive Crossover Freq.:	1600Hz
Inputs:	5-position barrier
System Sensitivity (1watt / 1meter):	92 dB
Power Handling:	200 watts continuous, 400 watts program, 800 watts peak*
Nominal Impedance:	8 ohms
Low Frequency:	One Systems Coaxial
High Frequency:	
EASE 4.0 data	ONESYSTEMS.com



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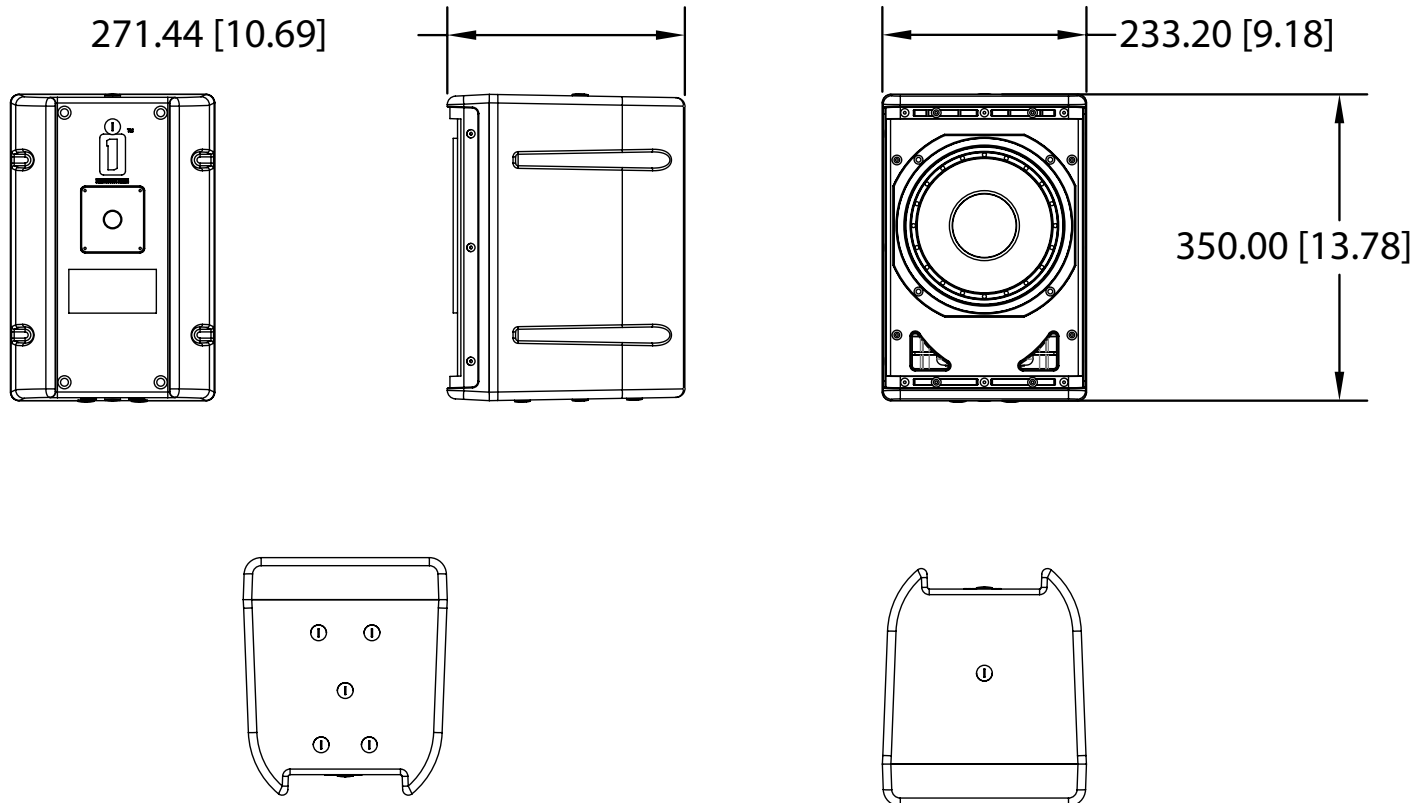
The gland nut is weatherproof and is rated NEMA 6P (IP 68). The connector will accommodate cable outside diameters from 7mm to 12mm (0.236" to 0.472"). The maximum diameter will accommodate most 2 conductor AWG 12 cable assemblies.

Because the ONE SYSTEMS 108CIM/70/100 is designed for permanent installation applications, a variety of rigging and suspension options are available. The 108CIM-70/100 has multiple M8 mounting points.

An M8 forged shoulder eyebolt kit is available for all M8 suspension points.

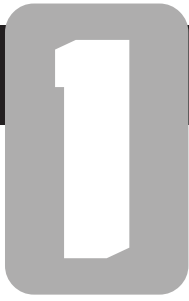
The 108CIM/70/100 may be mounted in selected installations (when permitted by local codes and appropriate substrates) using One Systems pan and tilt bracket PT-38a, One Systems pole mount bracket PT-30, or the 108CIM-U U-Bracket.

SPECIFICATIONS	
Suspension/Mounting points:	M8
Dimensions (H x W x D) mm:	350.0mm x 233.2mm x 271.44mm
Dimensions (H x W x D) in:	13.78in x 9.18in x 10.69in
Net Weight:	108CIM Low Z: 10.6kg, 23.3 lb. 108CIM High Z: 13.6kg, 29.9 lb.
Shipping Weight:	13kg (23.3lb)
Optional Accessories:	108IM-U U-bracket kit PT-38a Pan and Tilt PT-30 Pole Mount Bracket M8 Forged Shoulder Eye Bolt



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108CIM/70/100™

Constant Voltage
Transformer Wiring

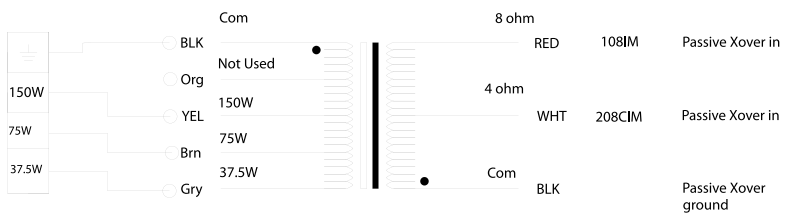
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All One Systems speakers that feature constant-voltage transformers that can be wired as shown below. The 108CIM/70/100 allows both 70.7V and 100V wiring. The taps are 150 watts, 75 watts and 37.5 watts. All wiring is via its five-position barrier strip. The wiring diagram is shown in Table 1.

CAUTION: The weather cover must be installed (even if the speaker is not installed in an outdoor venue) after the connections to the barrier strip are made. Installation of the weather cover is mandatory and will isolate the high voltages present on the terminal strip from contact.

100V Wiring



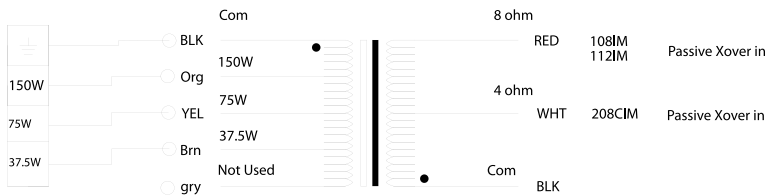
Wire color to barrier strip pin

BLK Org YEL Brn gry



100 V	NC	150 W	75W	37.5W
70.7V	150 W	75W	37.5W	NC

70.7V Wiring



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