



**ONE SYSTEMS®**

Direct Weather Loudspeakers

# 2010/2011 FULL LINE CATALOG

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## THINK OUTSIDE WITH ONE SYSTEMS

At One Systems, we do things differently. We design high-performance loudspeakers with the outdoors in mind and build them to be impervious to nearly any weather condition. One Systems models aren't just speakers with direct-weather capability – they're incredible, high-performance speakers that can be used outdoors or inside.

All One Systems models employ weather-resistant features like our 3-layer stainless steel "rain shield" grille that keeps rain and snow away from the systems' transducers; tough weather and UV-resistant copolymer, wood and fiberglass enclosures with stainless steel support structures designed to deliver flexibility and high safety factor ratings even in extreme weather conditions, plus weatherproof transducers. With One Systems, complete weather treatment comes as a standard feature on every model.

One Systems designs and builds its own drivers with advanced acoustic technologies like our patent-pending Equivalent Throat Technology™ and Inside/Only Voice Coil™ designs that ensure high vocal intelligibility, superb full-range frequency response and genuine musical clarity for the best possible sound in any environment. One Systems models will deliver years of premium audio performance for your application no matter what the weather is.

## ACOUSTIC INNOVATIONS

### Equivalent Throat Technology™

One Systems' Equivalent Throat Technology (ET) produces wider response with more even dispersion than conventional horn/driver combinations. Typical constant-directivity horns have diffraction slots and resonant cavities which cause audible resonances and performance losses. Equivalent Throat™ technology precisely mates the horn and driver perfectly to deliver the desired pattern coverage up to 13,000 Hz – far wider response than any other design. This exclusive One Systems technology produces beautifully-detailed high-frequency response and ensures well-defined constant coverage without beaming.

### ET-1 Compression Driver

One System's unique ET-1 driver's "equivalent throat" design allows its radiation pattern to be controlled by its phase plug instead of the conventional exit diameter at the top of the driver's structure. The ET-1 driver has a large-format titanium diaphragm, a powerful neodymium-iron-boron magnet structure and a close-spaced circumferential phase plug to ensure extended bandwidth, superior transient response and low distortion – differences that you'll quickly hear!

### Optimum HF Coverage Flexibility

Many One Systems models offer a choice of interchangeable and fully-rotatable high frequency horns that enable them to be perfectly-matched to your application. With a choice of wide or long-throw coverage and the flexibility to place the speaker horizontally or vertically, you can custom-tailor the speaker to your application's requirements.

### Inside/Only Voice Coil Technology

One Systems loudspeakers feature Inside/Only™ (I/O) technology – a significant new design innovation. In this design, the voice coil is wound entirely on the inside of the bobbin, which results in improved thermal conduction regardless of its physical displacement. By adding thermally-conductive material above and below the front plate, this technology allows the voice coil to expand away from the pole piece rather than toward it eliminating voice coil rubs and other mechanical problems. Inside/Only technology improves the woofer's ability to deliver higher output without power compression as the voice coil heats up ensuring wider response, consistent dynamics and better long-term reliability.

### The "Unwritten Specification"

The fundamental job of a sound reinforcement system is to reproduce speech with perfect intelligibility. If a system can't reproduce all the nuances of voices perfectly, it won't reproduce anything accurately. Intelligibility is the essential quality that separates average from great loudspeakers – but there is no conventional specification that denotes this important aspect of performance.

All One Systems models are designed to have the perfect combination of wide, linear response, low coloration and super-low time-domain distortions that enable them to reproduce voices with high intelligibility and music with stunning clarity and superb definition that other systems just can't match.

One Systems models are designed to project highly-intelligible sound at the high output levels necessary for outdoor or high ambient noise indoor use. With One Systems speakers, all parts of the audio spectrum are perfectly balanced which enables their sound to carry a great distance sonically intact. One Systems engineers minimize sonic colorations in each system by using premium-quality transducers and through clever acoustic and mechanical refinements which short-circuit resonant modes. You'll easily hear the improvement in response, intelligibility and clarity these innovations deliver.

## WEATHER-RESISTANCE

All One Systems™ loudspeaker systems are designed for use in permanently installed direct weather applications. Every model is designed to IEC 529 and is rated at IP 45 or higher, including several models rated at IP 56. Each model is also designed to MIL-SPEC 810 for UV resistance. With One Systems, you can be certain that systems installed in direct weather will survive exposure to the elements.

### Weather-Treated Components

All One Systems drivers are fully-treated for long life in tough weather conditions. Unlike some "weather-resistant" designs that are simply treated on the front, One Systems' cones are fully-impregnated throughout so that the front and back of the driver are protected against the elements.

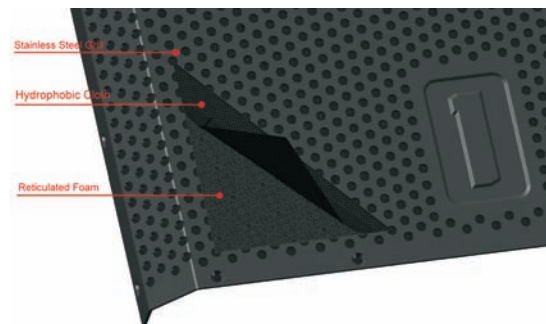
### Input Weather Cover

All One Systems' models are equipped with a metal input weather cover with an integral gland nut for use in outdoor applications. The weather cover's gland nut is rated at IP 68, is completely weatherproof and will accommodate cables up to AWG 12.



### Three-Layer "Rain Shield" Grille

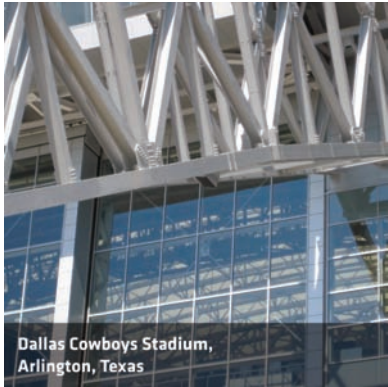
All One Systems models feature a three-layer "rain shield" grille. The outside layer is made of heavy-gauge stainless steel that offers extreme corrosion resistance and physical protection for the transducers. The second layer is fine-woven, carbon-treated hydrophobic cloth that doesn't absorb water and is designed to break up any direct water streams or rain drops into a mist. The third layer is reticulated foam that breaks up any direct water and direct it downward so that it will either evaporate or flows out of the enclosure. This combination of layers limits moisture penetration into the enclosure and keeps the transducers dry.



### Extra Heavy-Duty Corrosion Protection

For applications that require the highest level of corrosion protection, such as cruise ships, ocean beaches and indoor swimming centers, One Systems offers most of its models with 316-grade stainless steel grilles and hardware as an option. 316-grade stainless steel adds molybdenum to its forging process which guards against pitting and crevice corrosion and adds years of useful life and like-new appearance to the product when used in highly corrosive environments.

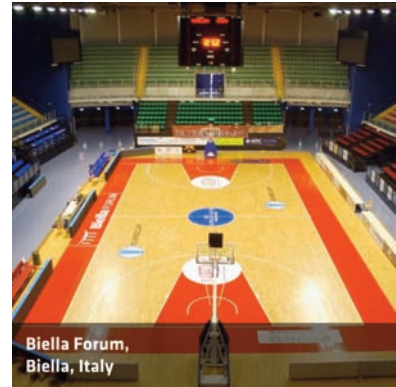
## RECENT ONE SYSTEMS INSTALLATIONS



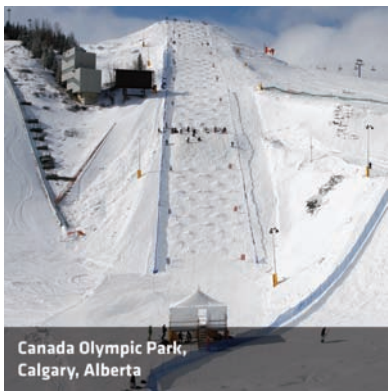
Dallas Cowboys Stadium,  
Arlington, Texas



Ngong Ping 360 Village,  
Hong Kong, China



Biella Forum,  
Biella, Italy



Canada Olympic Park,  
Calgary, Alberta



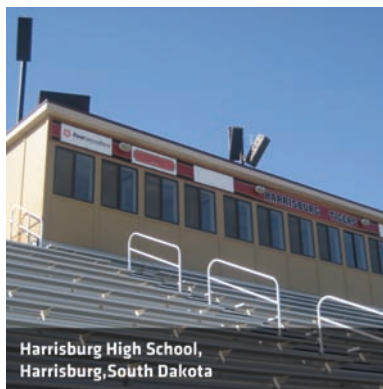
Yard House Restaurants,  
Multiple Locations



Dragon Descendants Museum,  
Suphanburi, Thailand



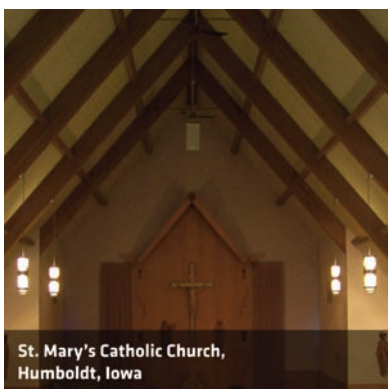
Russia War Memorial,  
Moscow, Russia



Harrisburg High School,  
Harrisburg, South Dakota



Owatonna High School,  
Owatonna, Minnesota



St. Mary's Catholic Church,  
Humboldt, Iowa



Amazing Bird Theatre in Ocean Park,  
Hong Kong, China



I-22 Motorsports,  
Eldridge, Alabama

# POPS™

## Powered Outdoor Presentation System



One Systems' new **Powered Outdoor Presentation System (POPS)** fills a need in the professional audio market for a high-output, self-powered sound system capable of being used outdoors in rain, snow and temperature extremes. Although technically-sophisticated, **POPS** is easily-portable, simple and quick to set up. **POPS** sets new standards for power, versatility, impeccable performance and simple operation in a well-crafted, rugged, direct-weather-capable system.

**POPS** is comprised of the **POPS15**, a bi-amplified 15-inch two-way system, and the **POPSsub**, a powered 18-inch subwoofer system. **POPS** employs high-performance, Italian-made Powersoft amplifiers and digital signal processing to ensure top-level electronics performance. It comes with extra-long, moisture-resistant AC mains and XLR-type signal cables on portable cable reels plus a speaker mounting pole – everything necessary for real-world applications.

**POPS** is engineered to deliver incredibly-accurate, highly-intelligible, wide-band sound with plug-and-play simplicity. For schools, public facilities, sports facilities or other organizations with widely-varying requirements, **POPS** 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 systems can top **POPS**.

### Features and Benefits

- All-weather capable, self-powered, 5,000 watt 3-way sound system
- Premium-grade, concert-class, large-format transducers
- Powerful Powersoft™ amplifiers perfectly matched to each driver
- Built-in digital signal processing precisely-tuned to deliver optimum sound quality, maximum dynamic range and full system protection
- **POPS15** and **POPSsub** each include a 30.5 m / 100 ft AC mains cable and a 30.5 m / 100 ft XLR-type signal cable with moisture-resistant connectors on portable cable reels for easy transport and hookup
- **POPS15** features a High-Q 60° x 40° horn with excellent projection and superb pattern control with a 15-inch woofer with 4-inch voice coil for superb definition and wide-band response
- **POPSsub** is equipped with a powerful 18-inch woofer with 4-inch voice coil. **POPSsub** includes large-diameter pneumatic wheels and height-adjustable loudspeaker mounting pole for easy moving and fast setups
- **POPS15** has 7 x M10 fly points for use with optional suspension and array hardware.

### Available Suspension Hardware

- Eye Bolt Kit – 4 x M10 forged-shoulder eye bolts
- Fly-15 Active – Array hardware kit for POPS 15
- Pole Mount System – 2 – pole mounting bracket
- DF-IM – Down-fill bracket

## POPS15™



**POPS15** houses premium-quality transducers, including a 15-inch woofer with a 4-inch voice coil, a large-format compression driver and High-Q 60° x 40° horn plus two ultra-powerful Powersoft™ amplifiers with full digital signal processing. **POPS15's** amplifier delivers 1,500 watts continuous, 3,000 watts peak of bi-amplified, highly-efficient Class-D power. **POPS15's** digital signal processing features high-order filtering, complete crossover functions, fully-tweaked EQ plus system dynamics and protection algorithms optimized by One Systems' engineers. For all its power and sophistication, **POPS15** is a plug-and-play system that's very easy to use.

**POPS15's** 60° x 40° High-Q horn and large-format driver ensures incredible projection to cover large audience areas and will accurately deliver the sound where the speaker is aimed. Thanks to its Narrow-Profile woofer, **POPS15** is only 373 mm / 14.7 inches wide – about the size of most 12-inch systems.

The **POPS15's** enclosure is injection-molded from a special resin designed to withstand rough weather and brutal UV exposure. It can be stand-mounted or safely suspended thanks to its built-in stand mount and fly points, plus it can be used as a floor monitor too. **POPS15** comes with extra-long 30.5 m / 100 ft AC cable and XLR-type signal cable with moisture-resistant connectors each supplied on portable cable reels for ease in transportation and hookup. Flexibility, simplicity, high output capability, rock-solid reliability and complete weather resistance are the hallmarks of **POPS15**.

## POPSSUB™



**POPSSub** adds solid low-end response and visceral impact to the system – indoors or outside. **POPSSub** combines a powerful 18-inch Inside/Only™ woofer with a 4-inch voice coil, and a 1,000-watt continuous, 2,000 watt peak Powersoft™ Class-D amplifier in a perfectly-tuned enclosure.

**POPSSub's** enclosure is constructed from heavily-braced 18-mm marine-grade birch plywood that is painted internally and externally with wear and weather-resistant polyurethane paint. **POPSSub** is equipped with heavy-duty, large-diameter, lockable pneumatic wheels that make it easy to move the **POPSSub** and **POPS15** across muddy sports fields or tall grass. It also includes a threaded, height-adjustable mounting pole for elevating the **POPS15** above the Sub.

**POPSSub** comes with extra-long 30.5 m / 100 ft AC cable and XLR-type signal cable with moisture-resistant connectors supplied on portable cable reels for ease in transportation and hookup. Adding solid, powerful low-end to your sound system is as easy as plugging in a **POPSSub**.

Specifications	POPS15	POPSSUB
• Frequency Response ( $\pm 3$ dB):	50 – 18,000 Hz	40 – 80 Hz
• Coverage Pattern (H x V):	60° x 40°	essentially omnidirectional
• LF amplifier power (continuous / peak):	750 / 1,500 watts	1,000 / 2,000 watts
• HF amplifier power (continuous / peak):	750 / 1,500 watts	N.A.
• Dimensions, mm (H x W x D):	742 x 370 x 433.5	776 x 780 x 670
• Dimensions, in (H x W x D):	29.2 x 14.6 x 17.1 in	30.5 x 30.7 x 26.4 in
• Weight:	29 kg / 64 lb	44 kg / 97 lb

## DIRECT-WEATHER INJECTION-MOLDED ENCLOSURES

In direct-weather applications where speaker systems have no environmental cover such as roofs or balconies, One Systems injection-molded enclosures can withstand the harshest weather conditions. Unique weatherproofing features include our 3-layer "rain shield" grilles that minimize direct moisture intrusion into the enclosure, high-quality UV-resistant copolymer plus stainless steel mounting and suspension systems designed to provide high safety factor ratings even in extreme weather conditions. For EASE data and more detailed information, visit our website at [www.onesystems.com](http://www.onesystems.com).

### 103IM™

#### 3.5-Inch Two-Way All-Weather Speaker System



The **103IM** provides excellent sound quality and tremendous flexibility in a small-format, direct-weather capable speaker system perfect for distributed systems or background applications. The **103IM**'s design utilizes a high-performance 3.5-inch woofer with a large-diameter 1.25-inch voice coil and a high-frequency driver coupled to a wide dispersion waveguide. The combination of the high-efficiency horn-loaded tweeter and large-format voice coil in the woofer yields superior intelligibility, musical clarity and wide response. The **103IM**'s enclosure has multiple M5 mounting points for use with the supplied U-Bracket or for the optional PT-10 pan and tilt bracket. The **103IM**'s grille assembly, barrier strip input section and enclosure are all designed to handle extreme weather and direct sunlight while delivering years of high performance.

#### Features and Benefits

- Direct-weather capable, compact 3.5-inch two-way system
- 3.5-inch woofer with large-sized 1.25-inch voice coil
- High-performance tweeter with 90° x 40° waveguide
- Available in black or white, low-impedance or transformer-coupled versions
- U-Bracket included
- Stainless steel grille and rigging
- No performance-degrading passive protection devices
- 50 watts continuous, 200 watts peak power handling

#### Specifications

- |                                     |                         |
|-------------------------------------|-------------------------|
| • Frequency Response ( $\pm 3$ dB): | 85 – 20,000 Hz          |
| • Coverage Pattern:                 | 90° x 40°               |
| • Sensitivity:                      | 87 dB                   |
| • Power Handling (Continuous/Peak): | 50 watts / 200 watts    |
| • Optional Transformer Taps:        | 12.5, 25, 50 watts      |
| • Rated Impedance:                  | 8 ohms                  |
| • Dimensions, mm (H x W x D):       | 211.2 x 56.2 x 130.5 mm |
| • Dimensions, in (H x W x D):       | 8.3 x 6.15 x 5.1 in     |
| • Weight:                           | 3.0 kg / 6.6 lb         |

# 106IM™

## 6-Inch Two-Way All-Weather Loudspeaker System



The **106IM** provides an unbeatable combination of excellent sound quality and high acoustic output with full direct-weather performance. Unlike most small-format systems, the **106IM** utilizes a medium-format compression driver coupled with a 90° x 40° constant-directivity horn that provides pristine vocal intelligibility, musical clarity and incredible projection. The 6-inch woofer features a large 1.75-inch voice coil for extended bandwidth and high power handling without the need for performance-degrading passive protection devices. The **106IM**'s big, beautifully-detailed sound always delights listeners.

The **106IM**'s enclosure has 2 x M6 mounting points for its included U-Bracket and the optional PT-10 pan and tilt bracket that's also used with the Pole Mount Mini, plus 4 x M5 mounting points for use with other mounting hardware. The **106IM**'s grille assembly, the input section and the enclosure are all designed to handle extreme weather and direct sunlight. Available in black or white, low-impedance, 70.7 or 100-volt versions, the **106IM** is a high-performance choice for the most demanding foreground/background or distributed sound applications.

### Features and Benefits

- Direct-weather capable, compact 6-inch two-way system
- 6-inch woofer with large-sized 1.75-inch voice coil
- Medium-format compression driver with 90° x 40° constant directivity horn
- Available in black or white, low-impedance or transformer-coupled versions
- U-Bracket included
- No performance-degrading passive protection devices necessary
- Stainless steel grille, suspension and rigging hardware
- 100 watts continuous, 400 watts peak power handling

### Available Suspension Hardware

- PT-10 – Pan and tilt bracket
- Pole Mount Mini – pole mount bracket (includes PT-10)

### Specifications

• Frequency Response ( $\pm 3$ dB):	85 – 16,000 Hz
• Coverage Pattern:	90° x 40°
• Sensitivity:	87 dB
• Power Handling (Continuous/Peak):	100 watts / 400 watts
• Optional Transformer Taps:	12.5, 25, 50 watts
• Rated Impedance:	8 ohms
• Dimensions, mm (H x W x D):	312 x 185 x 217.1 mm
• Dimensions, in (H x W x D):	12.3 x 7.3 x 8.5 in
• Weight:	6.0 kg / 13.2 lb

# 108IM™

## 8-Inch Two-Way All-Weather Loudspeaker System



The One Systems **108IM** delivers impressive sound quality, high intelligibility and superior pattern control that totally belie its small dimensions. Thanks to well-designed components and ultra-low coloration, the **108IM** delivers beautiful, richly-detailed sound. The system combines an 8-inch woofer and ETS driver coupled to a fully-rotatable constant-directivity horn with a choice of two coverage patterns for added flexibility permitting the **108IM** to be placed vertically or horizontally.

A large selection of suspension and array hardware is available for the **108IM** so that it can be custom-tailored for installation use. Thanks to its injection-molded enclosure and weather-resistant design, it is optimized for use in distributed systems or for general sound reproduction in outdoor applications in sports venues or other applications where it has direct-weather exposure. The **108IM**'s high acoustic output-to-size ratio and choice of HF horns make it usable for short or defined-coverage applications.

Thanks to its pristine reproduction and installation flexibility, the **108IM** is equally-suited for outdoor or indoor applications for use in speech or music applications.

### Features and Benefits

- Direct-weather capable 8-inch two-way system
- Response optimized for high intelligibility and great vocal articulation
- Includes both 60° X 40° and 105° X 60° rotatable constant-directivity high-frequency horns for optimum use/placement flexibility
- ETS medium-format pure titanium compression driver
- Available in black or white, low-impedance or transformer-coupled versions
- Weather cover with gland nut plus a barrier strip and 2 Neutrik Speakon inputs
- 200 watts continuous, 400 watts peak power handling
- 15 x M8 suspension points for maximum use/placement flexibility

### Available Suspension Hardware

- 108IM-U – U-Bracket kit
- Stand mountable with optional Ultimate Support BMB-200K.
- PT-35-2 – Pan and tilt bracket, light pole mounting capable
- M8 Eye Bolt Kit – 4 x M8 forged-shoulder eye bolts

### Specifications

- |                                     |                                      |
|-------------------------------------|--------------------------------------|
| • Frequency Response ( $\pm 3$ dB): | 65 – 16,000 Hz                       |
| • Coverage Pattern:                 | 105° x 60° and 60° x 40° (rotatable) |
| • Sensitivity:                      | 92 dB                                |
| • Power Handling (Continuous/Peak): | 200 watts / 800 watts                |
| • Rated Impedance:                  | 8 ohms                               |
| • Dimensions, mm (H x W x D):       | 483.84 x 243.2 x 270.77 mm           |
| • Dimensions, in (H x W x D):       | 19.05 x 9.56 x 10.66 in              |
| • Weight:                           | 18 kg / 39.6 lb                      |

# 208CIM™

## Dual 8-Inch Two-Element Vertical Array Loudspeaker System



The **208CIM** is a two-element vertical array system that delivers high intelligibility and impressive output capability from a small-sized enclosure. In the low frequency range, the **208CIM**'s dual 8-inch drivers combine their output to produce solid low-end response to 65 Hz with excellent SPL capability. Thanks to its coaxial design, mids and highs are flawlessly reproduced because of substantially-reduced time delay distortion and lack of "horn coloration".

The **208CIM**'s coaxially-mounted HF driver delivers 70° conical coverage and works well in short and medium-throw applications with excellent vocal reproduction. The conical coverage pattern also permits horizontal or vertical placement without change in dispersion. The **208CIM**'s high output capability and detailed sound quality allow it to be used in places where traditional 12-inch two-way systems would normally be used along with the added benefits of smaller size, lighter weight and tremendous installation flexibility. In applications requiring optimum size/performance ratio and impeccable performance, the **208CIM** is a great choice.

### Features and Benefits

- Two-element vertical array system
- Dual 8-inch drivers have the air-moving capability of typical 12-inch systems in a much smaller enclosure
- One Systems' 8 CX transducer with medium-format coaxially-mounted compression driver delivers 70° conical coverage
- Available in black or white, low-impedance or transformer-coupled versions
- Coax design ensures minimal time-delay distortion
- Weather cover with gland nut plus a barrier strip and 2 x Neutrik Speakon inputs
- 400 watts continuous, 1,600 watts peak power handling
- 15 x M8 fly points for maximum use/placement flexibility

### Available Suspension Hardware

- 108IM-U – U-Bracket kit
- PT-35-2 – Pan and tilt bracket, light pole mounting capable
- M8 Eye Bolt Kit – 4 x M8 forged-shoulder eye bolts
- Telescoping pole capable with BMK-200B by Ultimate Support

### Specifications

- Frequency Response ( $\pm 3$  dB): 65 – 18,000 Hz
- Coverage Pattern: 70° conical
- Sensitivity: 96 dB
- Power Handling (Continuous/Peak): 400 watts / 1,600 watts
- Rated Impedance: 4 ohms
- Dimensions, mm (H x W x D): 483.84 x 243.2 x 270.77 mm
- Dimensions, in (H x W x D): 19.05 x 9.56 x 10.66 in
- Weight: 18 kg / 39.7 lb

# 112IM™

## 12-Inch Two-Way Direct-Weather Speaker System



The **112IM** is a high-power, full-range loudspeaker bristling with the latest technology including a 12-inch Inside/Only woofer with a 4-inch voice coil and a large-format Equivalent Throat compression driver. The **112IM** is delivered with a fully-rotatable ET-60/40 horn installed, but is also available with an ET-105/60 rotatable horn which provides ample coverage and installation options.

The **112IM**'s enclosure is constructed of a special injection-molded weather-resistant resin that is tough enough to withstand exposure to the elements and is acoustically-inert. The system's rain shield grille and stainless steel support structure and hardware ensure years of useful life in any conditions. The **112IM**'s high power handling, well-controlled coverage, high-technology components plus low dynamic and time-domain distortions provide high intelligibility, incredible vocal articulation as well as musical definition in outdoor or high ambient noise indoor applications.

With its choice of enclosure colors (including the option of custom painting), a choice of coverage patterns, the option of low-impedance or constant-voltage, and a selection of optional array and suspension hardware, the **112IM** offers flexibility and performance unmatched by any other system in its class.

### Available Suspension Hardware

- 112IM-U – U-Bracket kit
- FLY112IM – planar array kit
- FLY112IM-T – T-planar array kit
- Eye Bolt Kit – 4 x M10 forged-shoulder eye bolts
- Pole Mount System-2 – pole mounting bracket
- DF-IM – Down-fill bracket
- PT-70-2 – pan and tilt bracket, light pole mounting capable

### Features and Benefits

- Direct-weather capable, high-performance 12-inch two-way system
- Response-optimized for high intelligibility and great vocal articulation
- Includes both 60° x 40° and 105° x 60° rotatable constant-directivity horns for optimum use/placement flexibility
- ET large-format pure titanium compression driver
- Available in black or white, low-impedance or transformer-coupled versions
- Weather cover with gland nut plus a barrier strip and 2 x Neutrik Speakon inputs
- 800 watts continuous, 3,200 watts peak power handling
- 19 x M10 suspension points for maximum use/placement flexibility

### Specifications

- Frequency Response ( $\pm 3$  dB): 60 – 16,000 Hz
- Coverage Pattern: 105° x 60° and 60° x 40° (rotatable)
- Sensitivity: 96 dB
- Power Handling (Continuous/Peak): 800 watts / 3,200 watts
- Rated Impedance: 8 ohms
- Dimensions, mm (H x W x D): 749 x 368 x 414 mm
- Dimensions, in (H x W x D): 29.5 x 14.5 x 16.3 in
- Weight: 23.8 kg / 50.5 lb

# 212CIM™

## Dual 12-Inch Two-Element Vertical Array Direct-Weather Loudspeaker System



The **212CIM** is a compact system with dual 12-inch drivers in a vertical array that produces high-SPL vocal content with excellent intelligibility. The **212CIM**'s driver complement consists of a One Systems' 12-inch Inside/Only™ woofer with a large-format 4-inch voice coil and a 12CX 12-inch driver with a large-format compression driver coaxially-mounted. Utilizing these two powerful 12-inch drivers in tandem at low and mid-frequencies produces high SPLs with ease while its large-format coax driver produces mids and highs without the coloration typically found in horns. The result is a smooth, accurate, detailed-sounding speaker system with high power handling in an impressively small direct-weather enclosure. Thanks to a range of suspension points, accessories and its 70° conical coverage pattern, the **212CIM** can be hung horizontally or vertically without performance penalty and used in various system configurations.

### Features and Benefits

- Response-optimized for high intelligibility with superb vocal articulation
- Dual 12-inch drivers have the air-moving capability of typical 15-inch systems from a much smaller enclosure
- High 1,200 watts continuous, 4,800 watts peak power handling
- One Systems' 12CX transducer with large-format, coaxially-mounted compression driver delivers 60° conical coverage with ultra-low time-delay distortion
- Available in black or white, low-impedance or transformer-coupled versions
- Weather cover with gland nut plus a barrier strip and 2 x Neutrik Speakon inputs
- 19 x M10 suspension points

### Available Suspension Hardware

- 112IM-U – U-Bracket kit
- FLY112IM – planar array kit
- FLY112IM-T – T-planar array kit
- Eye Bolt Kit – 4 x M10 forged-shoulder eye bolts
- Pole Mount System-2 – pole mounting bracket
- DF-IM – Down-fill bracket
- PT-70-2 – Pan and tilt bracket, light pole mounting capable

### Specifications

- |                                     |                           |
|-------------------------------------|---------------------------|
| • Frequency Response ( $\pm 3$ dB): | 75 – 18,000 Hz            |
| • Coverage Pattern:                 | 60° conical               |
| • Sensitivity:                      | 99 dB                     |
| • Power Handling (Continuous/Peak): | 1,200 watts / 4,800 watts |
| • Rated Impedance:                  | 4 ohms                    |
| • Dimensions, mm (H x W x D):       | 749 x 368 x 398.3 mm      |
| • Dimensions, in (H x W x D):       | 29.5 x 14.5 x 15.68 in    |
| • Weight:                           | 29 kg / 64 lb             |

# 112IM SUB™

## 12-Inch Direct-Weather Subwoofer / Bass Module System



The **112IM Sub** is a 12-inch high-output subwoofer system that is designed to add low-frequency output in applications using One Systems' **112IM**, **212CIM**, **108IM**, **208CIM**, **106IM** and **103IM** models. Thanks to its tough injection-molded enclosure, built-in fly points and optional suspension hardware, the **112IM Sub** can be used in a large number of different system configurations and it can be easily suspended and arrayed too. With proper filtering and amplification, the **112IM Sub** can be run as a true subwoofer with impressive low-end extension. It can also be used in "overlap mode" as a supplementary bass module which trades some deep bass capability for additional output and impact in the mid-bass region. The **112IM Sub** is an easy way to add significant low-end punch to any system while retaining the essential sound quality, flexibility and weather-resistance that are the hallmarks of One Systems products.

### Features and Benefits

- Direct weather subwoofer system featuring One Systems' 12-inch Inside/Only woofer with 4-inch voice coil and neodymium magnet structure
- Can be used as a true subwoofer or as an "overlap" bass module
- Perfect for array building with **112IM** and **212CIM**
- Input weather cover w/ gland nut plus barrier strip & 2 x Neutrik Speakon connectors
- IP 45 / IEC 529 / Mil Spec 810 direct-weather capable
- 19 x M10 suspension points for mounting/use flexibility

### Available Suspension Hardware

- 112IM-U – U-Bracket kit
- FLY112IM – planar array kit
- FLY112IM-T – T-planar array kit
- Eye Bolt Kit – 4 x M10 forged-shoulder eye bolts
- Pole Mount System-2 – pole mounting bracket
- DF-IM – Down-fill bracket
- PT-70-2 – Pan and tilt bracket

### Specifications

- |                                     |                             |
|-------------------------------------|-----------------------------|
| • Frequency Response ( $\pm 3$ dB): | 50 – 150 Hz                 |
| • Coverage Pattern:                 | Essentially omnidirectional |
| • Sensitivity:                      | 96 dB                       |
| • Power Handling (Continuous/Peak): | 800 watts / 3,200 watts     |
| • Rated Impedance:                  | 8 ohms                      |
| • Dimensions, mm (H x W x D):       | 749 x 368 x 398.3 mm        |
| • Dimensions, in (H x W x D):       | 29.5 x 14.5 x 15.68 in      |
| • Weight:                           | 25 kg / 55 lb               |

## 212IM™



The **212IM** is a double 12-inch two-way all-weather system in a tough injection-molded copolymer enclosure. The **212IM**'s dual 12-inch drivers and vertical array design deliver pristine vocal reproduction and excellent projection with good control, making it superb for longer-throw outdoor applications or for use in highly-reverberant spaces indoors. The **212IM**'s premium-quality, large-format transducers are brimming with the latest technology including Inside/Only woofers and Equivalent Throat compression driver. The High-Q 60° x 40° constant-directivity horn has incredible pattern control and the muscle to deliver the sound over long distances with excellent projection and clarity. Thanks to its rotatable horn, plethora of suspension points and available hardware, the **212IM** can be suspended vertically, horizontally or arrayed as required. For outdoor use or long-throw indoor applications, the **212IM** is a high fidelity system with incredible flexibility and super-tough weather resistance.

### Features and Benefits

- Direct-weather capable dual 12-inch two-way system
- High-quality components deliver high intelligibility and beautifully-detailed vocal articulation
- 2-Element vertical array delivers excellent vertical pattern control
- 60° x 40° Equivalent Throat fully-rotatable high-frequency horn enables vertical or horizontal orientation
- Large-format ET-1 pure titanium compression driver with neodymium magnet
- Two 12-inch Inside/Only™ drivers with 4-inch voice coils deliver smooth lows and mids with high power handling
- Available in low-impedance or transformer-coupled versions
- 19 x M10 suspension points for maximum mounting and use flexibility

### Available Suspension Hardware

- 212IM-U – U-Bracket kit
- Pole Mount System EX-2 – pole mounting bracket
- DF-IM – Down-fill bracket

### Specifications

- |                                     |                         |
|-------------------------------------|-------------------------|
| • Frequency Response ( $\pm 3$ dB): | 75 – 16,000 Hz          |
| • Coverage Pattern:                 | 60° x 40° (rotatable)   |
| • Sensitivity:                      | 99 dB                   |
| • Power Handling (Continuous/Peak): | 800 watts / 3,200 watts |
| • Optional Transformer Taps:        | 150, 300, 600 watts     |
| • Rated Impedance:                  | 4 ohms                  |
| • Dimensions, mm (H x W x D):       | 1100 x 368 x 398.3 mm   |
| • Dimensions, in (H x W x D):       | 43.3 x 14.5 x 15.68 in  |
| • Weight:                           | 40.5 kg / 89.3 lb       |

## 312CIM™



The **312CIM** is a 3-element vertical array that delivers very high output vocal material and wide-range music with supremely-detailed intelligibility. Thanks to its clever design, **312CIM**'s array produces vertical beamwidth control to below 200 Hz and maintains its 60° radiation angle to below 300 Hz, thereby making its performance perfect for reverberant indoor spaces such as gymnasiums and houses of worship as well as for large, long-throw outdoor applications. The **312CIM**'s solid, tough injection-molded enclosure is optimized for high UV exposure and long life in harsh weather environments. Everything from the 3-layer "rain shield" stainless steel grille, the enclosure material, the weather covered inputs and the multiple suspension points are capable of handling direct weather exposure for years while providing phenomenal performance. If your application requires high output, smooth full-band response and incredible pattern control, the **312CIM** is the solution.



### Features and Benefits

- 3-Element shaded vertical array delivers very high output from a small enclosure
- 2 x 12-inch Inside/Only woofers with large 4-inch voice coils
- 12CX 12-inch coax with modified large-format compression driver
- 60° conical coverage permits vertical or horizontal placement
- 1,200 watts continuous, 4,800 watts peak power handling
- Available in low-impedance or transformer-coupled versions
- 19 x M10 suspension points for maximum mounting and use flexibility

### Available Suspension Hardware

- 212IM-U – U-Bracket kit
- Pole Mount System EX-2 – pole mounting bracket
- DF-IM – Down-fill bracket

### Specifications

- |                                     |                           |
|-------------------------------------|---------------------------|
| • Frequency Response ( $\pm 3$ dB): | 75 – 18,000 Hz            |
| • Coverage Pattern:                 | 60° conical               |
| • Sensitivity:                      | 99 dB                     |
| • Power Handling (Continuous/Peak): | 1,200 watts / 4,800 watts |
| • Optional Transformer Taps:        | 150, 300, 600 watts       |
| • Rated Impedance:                  | 4 ohms                    |
| • Dimensions, mm (H x W x D):       | 1100 x 368 x 398.3 mm     |
| • Dimensions, in (H x W x D):       | 43.3 x 14.5 x 15.68 in    |
| • Weight:                           | 42.2 kg / 93.5 lb         |

## DIRECT-WEATHER BIRCH PLYWOOD ENCLOSURES

One Systems offers a variety of systems with treated 18 mm marine-grade birch plywood enclosures. All of these systems are painted with weather-resistant paint inside and out and feature internal stainless steel structural supports that enable a variety of suspension methods. These rock-solid enclosures, premium-grade components, and wide range of system configurations ensure top-quality audio performance and incredible flexibility.

EASE data for each model is available at [www.onesystems.com](http://www.onesystems.com).

### 112UM™ & 115UM™



The **112UM** and **115UM** are 12-inch and 15-inch two-way, high-output systems featuring a special enclosure geometry that enables them to be used as utility FOH systems or as dual-angle floor monitors. Like all One Systems models, the 112UM and 115UM are designed to deliver excellent full-range fidelity and superior vocal reproduction with high intelligibility. The **112UM** and **115UM** utilize high-power 12-inch and 15-inch Inside/Only woofers with 4-inch voice coils that deliver smooth lows and mids. A large-format ETS driver is coupled with a fully-rotatable 105° x 60° horn and the combination delivers perfectly-defined mids and highs for short-throw, down-fill and floor monitor applications. Thanks to its 16 built-in M10 suspension points, included stand mount and available hardware accessories, the **115UM** can be stand-mounted, flown or wall-mounted to cover a number of specialized applications with ease. Like all One Systems models, the **112UM** and **115UM**'s enclosures, grilles, hardware and input sections are tested to IP 45/IEC 529 and Mil Spec 810 standards for weather resistance. Indoors or outside, used as floor monitors, for FOH or distributed use, the **112UM** and **115UM** will deliver beautifully-balanced, highly-intelligible sound for your application.

#### Features and Benefits

- Weather-resistant 12-inch and 15-inch two-way systems with specially-shaped, multi-angled enclosures
- 105° x 60° fully-rotatable ETS horn for use and placement flexibility
- 12-inch and 15-inch Inside/Only woofers with 4-inch voice coils
- Multi-angle enclosure geometry enables use as front-of-house systems or as floor monitors
- Choice of 45 or 75 degree projection angles enable use on different-sized stages
- 18-mm marine-grade birch plywood w/ weather-resistant polyurethane finish
- 800 watts continuous, 3,200 watts peak power handling
- 16 x M10 inserts for safe, flexible suspension

#### Available Suspension Hardware

- Eye Bolt Kit-W – 4 x M10 forged-shoulder eye bolts
- 112UM-U – U-Bracket
- PT70-2 – pan and tilt bracket

#### Specifications

	112UM	115UM
• Frequency Response (±3dB):	75 – 16,000 Hz	65 – 16,000 Hz
• Coverage Pattern:	105° x 60°	105° x 60°
• Sensitivity:	96 dB	96 dB
• Power Handling:	800 watts / 3,200 watts	800 watts / 3,200 watts
• Suspension	16 x M10	16 x M10; stand mount
• Rated Impedance:	8 ohms	8 ohms
• Dimensions, mm (H x W x D):	622 x 362 x 273 mm	698 x 444.5 x 323.9 mm
• Dimensions, in (H x W x D):	24.48 x 14.25 x 10.75 in	27.48 x 17.5 x 12.75 in
• Weight:	23.3 kg / 51.4 lb	26 kg / 57.3 kg

## 115TW™ & 115RW™



The **115TW** and **115RW** are high-output, direct-weather 15-inch two-way systems with identical transducers and crossovers. The difference is their enclosure shape – The trapezoidal TW has sloping sides which enables it to be easily arrayed and transported and delivers incredible vocal articulation. The **115RW**'s rectangular enclosure has greater internal volume which gives it more extended, fatter low end response with a richer tonal balance. Both models are constructed from 18 mm marine-grade plywood and utilize One Systems' other weather-resistant features that enable them to deliver years of use in any weather condition. They both deliver the highly-detailed, high output that One Systems speakers are known for with incredible application flexibility including suspension and array hardware. With a choice of wide 105° x 60° or longer-throw 60° x 40° horns that are fully-rotatable, you can get the coverage you need and orient the speaker whichever way is necessary. The **115TW** and **115RW** are premium-class, high-performance systems that are ready to meet your audio needs.



### Features and Benefits

- Weather-resistant, high-output 15-inch two-way systems
- Choice of trapezoidal (TW) or rectangular (RW) enclosure geometries
- Both models include 105° x 60° and 60° x 40° fully-rotatable, interchangeable ET horns for added application flexibility
- Large-format pure titanium compression driver with neodymium magnet structure ensures high performance
- 15-Inch Inside/Only woofer with 4-inch voice coil, 18-mm marine-grade birch plywood enclosures with internal stainless steel structural supports and 20 x M10 suspension points. 115RW also has road handles for portable use
- 800 watts continuous, 3,200 watts peak power handling

### Available Suspension Hardware

- Eye Bolt Kit-W – 4 x M10 forged-shoulder eye bolts (RW / TW)
- 115TW-U – U-Bracket kit (TW)
- FLY-115TW – planar array bracket (TW)
- FLY-115TW-T – T-planar array bracket (TW)
- PT-70-2 – Pan and tilt bracket (TW)

Specifications	115TW	115RW
• Frequency Response:	50 – 16,000 Hz	55 – 16,000 Hz
• Coverage Pattern:	105° x 60° or 60° x 40° (rotatable)	105° x 60° or 60° x 40° (rotatable)
• Sensitivity:	96 dB	96 dB
• Power Handling:	800 watts / 3,200 watts	800 watts / 3,200 watts
• Rated Impedance:	8 ohms	8 ohms
• Dimensions, mm:	793.4 x 452.5 x 489 mm	793.4 x 444.5 x 489 mm
• Dimensions, in:	31.24 x 17.5 x 19.25 in	31.24 x 17.5 x 19.25 in
• Weight:	36.9 kg / 81.3 lb	36.2 kg / 79.8 lb

## 118SUB-W™



The **118Sub-W** is a high-output 18-inch subwoofer system in a strong rectangular enclosure. Its enclosure design delivers high-impact bass and increased low-end response thanks to its large internal volume and shape. The **118Sub-W**'s enclosure is made from heavily-braced, marine-grade birch plywood that has internal stainless steel structural supports to strengthen its multiple suspension points. The enclosure is optimally-vented and precisely-tuned to deliver the optimum combination of extended low-end and high output. The **118Sub-W**'s 18-inch woofer utilizes One Systems' Inside/Only voice coil which delivers improved thermal conduction, lower power compression and improved reliability. The **118Sub-W** can be used ground-stacked, flown singly or arrayed using the optionally- available hardware.

To survive the rigors of outdoor use and the elements, the enclosure is painted in a tough polyurethane finish. The grille is One Systems' 3-layer rain shield design and the input section features a weather cover with gland nut and a stainless steel barrier strip and two 4-pole Neutrik Speakon connectors for portable/temporary use and easy signal routing. Add serious low-end to your sound system with One Systems' **118Sub-W**.

### Features and Benefits

- Weather-resistant, high-output subwoofer system featuring 18-inch Inside/Only woofer with 4-inch voice coil
- Response-optimized for use with One Systems **115TW**, **115RW**, **212IM** and **312CIM** systems
- Rectangular 18-mm marine-grade birch plywood enclosure
- Weather cover with gland nut; stainless steel barrier strip and 2 x Neutrik Speakon input connectors
- 800 watts continuous, 3,200 watts peak power handling
- 16 x M10 stainless steel suspension points; handles included for portable applications
- Can be used in planar or T-arrays with 115TW and optional hardware

### Available Suspension Hardware

- Eye Bolt Kit-W – 4 x M10 forged-shoulder eye bolts
- FLY-115TW – planar array bracket
- FLY-115TW-T – T-planar array bracket

### Specifications

- |                                     |                          |
|-------------------------------------|--------------------------|
| • Frequency Response ( $\pm 3$ dB): | 40 – 150 Hz              |
| • Sensitivity:                      | 95 dB                    |
| • Power Handling (Continuous/Peak): | 800 watts / 3,200 watts  |
| • Rated Impedance:                  | 8 ohms                   |
| • Dimensions, mm (H x W x D):       | 793.4 x 535 x 527 mm     |
| • Dimensions, in (H x W x D):       | 31.24 x 21.06 x 20.75 in |
| • Weight:                           | 42.2 kg / 93.5 lb        |

## 218SUB-W™



The **218Sub-W** is a weather-resistant, high-output, dual 18-inch subwoofer that will add substantial deep bass output to your system. This subwoofer features two powerful 18-inch Inside/Only woofers with large-format 4-inch voice coils and neodymium magnets that provide huge 1,600 watts continuous, 6,400 watts peak power handling. Its Inside/Only woofers ensure maximum output with excellent transients and greatly-minimized power compression. The **218Sub-W**'s large-volume enclosure is precisely-tuned to deliver solid, impactful, yet accurate low end response.

To ensure weather-resistance as well as maximum sound quality, **218Sub-W**'s enclosure is built with 18-mm marine-grade birch plywood that is painted inside and out with tough polyurethane paint. The heavily-braced enclosure also has internal stainless steel structural supports to strengthen its 20 suspension points for loss-free low-end response and high safety factor. The woofer's cones are fully-impregnated to prevent moisture absorption; the 3-layer rain shield grille, stainless steel suspension hardware and input weather cover are all configured to ensure years of incredible performance in any weather condition. When your system requires high-output, chest-kicking bass, the **218Sub-W** is the answer.

### Features and Benefits

- Weather-resistant, high-output dual 18-inch subwoofer system
- Two powerful 18-inch Inside/Only woofers with 4-inch voice coil. High output with deep bass capability to <40 Hz
- Rectangular heavily-braced 18-mm marine-grade birch plywood enclosure with deep bass capability to < 40 Hz
- 1,600 watts continuous, 6,400 watts peak power handling
- 20 x M10 stainless steel suspension points enable vertical or horizontal flying. Handles are included for use in portable applications

### Available Suspension Hardware

- Eye Bolt Kit-W – 4 x M10 forged-shoulder eye bolts

### Specifications

- |                                     |                           |
|-------------------------------------|---------------------------|
| • Frequency Response ( $\pm 3$ dB): | 40 – 150 Hz               |
| • Sensitivity:                      | 98 dB                     |
| • Power Handling (Continuous/Peak): | 1,600 watts / 6,400 watts |
| • Rated Impedance:                  | 4 ohms                    |
| • Dimensions, mm (H x W x D):       | 1187 x 535 x 778 mm       |
| • Dimensions, in(H x W x D):        | 46.73 x 21.06 x 30.625 in |
| • Weight:                           | 76.8 kg / 169.3 lb        |

## 212SUB-W™



The **212Sub-W** is a dual 12-inch subwoofer system that adds solid low-end response to applications using One Systems' **112IM** and **212CIM** models. The **212Sub-W**'s rectangular enclosure is the same size as the **112IM** and **212CIM** to make it easy to build standard or T-planar arrays. The **212Sub-W** has substantial internal volume and its angled baffle ensures mutual coupling of the woofers to deliver maximum bass output. The **212Sub-W** utilizes two 12-inch Inside/Only woofers with powerful 4-inch voice coils that ensures maximum output, accurate reproduction, greatly-minimized power compression and enhanced reliability.

The **212Sub-W**'s enclosure is built with 18-mm marine-grade plywood painted inside and out with polyurethane paint. The heavily-braced enclosure features internal stainless steel structural supports to strengthen its 20 x M10 suspension points for loss-free bass and high safety factor. The woofer's cones are fully-impregnated to prevent moisture absorption; the 3-layer rain shield grille, stainless steel suspension hardware and input weather cover are designed to ensure years of incredible performance in any weather condition. Whether ground-stacked, flown or used in arrays, the **212Sub-W** will add low-end punch and visceral impact to your sound system.

### Features and Benefits

- Weather-resistant dual 12-inch subwoofer system
- 2-Element vertical array design – Optimized for creating planar or T-style arrays with 112IM and 212CIM models
- 2 x 12-inch Inside/Only woofers with powerful 4-inch voice coils deliver high power handling, low-end muscle and excellent transients with greatly-minimized power compression
- 1,600 watts continuous, 6,400 watts peak power handling ensures high output capability
- Large rectangular enclosure and angled woofer placement ensures maximum mutual-coupling for added low-frequency impact
- 20 x M10 stainless steel fly points for safe, flexible suspension

### Available Suspension Hardware

- Eye Bolt Kit-W – 4 x M10 forged-shoulder eye bolts
- FLY-112IM – planar array bracket
- FLY-112IM-T – T-planar array bracket

### Specifications

- Frequency Response ( $\pm 3$  dB): 40 – 150 Hz
- Sensitivity: 97 dB
- Power Handling (Continuous/Peak): 1,600 watts / 6,400 watts
- Rated Impedance: 4 ohms
- Dimensions, mm: 755 x 381 x 613 mm
- Dimensions, in: 29.72 x 15 x 24.125 in
- Weight: 43.2 kg / 95.2 lb

## DIRECT-WEATHER FIBERGLASS ENCLOSURES

The One Systems' **Crossfield Array** is made with fiberglass – a tough composite material used to build cars, boat hulls and other products that require strength, weather resistance and light weight. Reinforced with a stainless steel structural suspension and insert points, the **Crossfield Array** will survive in any condition that Mother Nature can dish out.

### CROSSFIELD ARRAY™

#### Long-Throw Horn-Loaded All-Weather Loudspeaker System



The **Crossfield Array** is a two-way, all horn-loaded, shaded array that provides very high acoustic output and high-fidelity sound for long-throw applications. The **Crossfield Array** delivers a 50° horizontal by 20° vertical coverage pattern and its vertically-stacked configuration delivers substantially-reduced time domain interactions between the bass/mid bass and high frequency portions of the audio spectrum. The result is a long-throw system that produces superior vocal intelligibility and delivers the clarity for stunning musical reproduction thanks to its reduction of mechanical, time domain and acoustic resonances. The **Crossfield Array's** combination of 4 x 10-inch woofers and 3 powerful HF drivers in a shaded array loaded into separate High-Q horns with full high-order filtering and amplitude equalization deliver impeccable audio quality. The **Crossfield Array's** enclosure is built of laminated fiberglass with high safety-factor structural rigging points molded into the enclosure. The system is supplied with 11-M10 stainless steel rigging points for use with custom mounting hardware and other rigging options. The **Crossfield Array's** 3-layer rain shield grille, aluminum weather cover and gland nut ensure high weather resistance. The **Crossfield Array** delivers beautiful high-fidelity sound in large venues.



#### Features and Benefits

- Tremendous sensitivity and high output capability
- Long-throw capability with incredible pattern control
- UV and weather-resistant Fiberglass enclosure
- Optional Pole Mount System EX-2 for pole mounting
- Three-element amplitude-shaded vertical HF array
- Four 10-inch neodymium-powered woofers with extended LF bandwidth
- High-strength integral structural rigging
- Available in low-impedance or transformer-coupled versions
- 1,200 watts continuous, 4,800 watts peak power handling

#### Specifications

- Frequency Response ( $\pm 3$  dB): 70 – 16,000 Hz
- Coverage Pattern (H x V): 50° x 20°
- Sensitivity: 105 dB
- Power Handling (Continuous/Peak): 1,200 watts / 4,800 watts
- Optional Transformer Taps: 150, 300, 600 watts
- Rated Impedance: 4 ohms
- Dimensions, mm (H x W x D): 1100 x 520 x 560 mm
- Dimensions, in (H x W x D): 43.3 x 20.5 x 22 in
- Weight: 75 kg / 165 lb

# SUSPENSION ACCESSORIES

<b>DF-IM</b>	Down-fill bracket for use with <b>212IM</b> and <b>112IM</b> speakers
<b>Eye Bolt Kit</b>	4 - M10 x 1.5 15-mm eye bolts for use with injection-molded speakers (excluding <b>103IM</b> , <b>106IM</b> , <b>108IM</b> and <b>208IM</b> models)
<b>Eye Bolt Kit - W</b>	4 - M10 x 1.5 40-mm eye bolts for use with One Systems' Baltic plywood speakers
<b>M8 Eye Bolt Kit</b>	4 - M8 eye bolts for use with <b>108IM</b> and <b>208CIM</b> models
<b>Fly-112IM</b>	Array bracket for use with <b>112IM</b> , <b>212IM</b> , <b>212CIM</b> and <b>212Sub-W</b> models
<b>Fly-112IM-T</b>	Array / T-fly bracket for use with <b>112IM</b> , <b>212IM</b> , <b>212CIM</b> and <b>212Sub-W</b> models
<b>Fly-115-TW</b>	Array bracket for use with <b>115TW</b> and <b>118Sub-W</b>
<b>Fly-115TW-T</b>	Array / T-fly bracket for use with <b>115TW</b> and <b>118Sub-W</b>
<b>Fly-15 ACTIVE</b>	Array hardware kit for <b>POPS15</b>
<b>HWK-1</b>	Harsh Weather Kit for use with <b>112IM</b> and <b>212IM</b> in salt/corrosive environments (includes vent plugs)
<b>HWK-2</b>	Harsh Weather Kit for <b>212CIM</b> in salt/corrosive environments (includes vent plugs)
<b>HWK-3</b>	Harsh Weather Kit for <b>108IM</b> in salt/corrosive environments (includes vent plugs)
<b>112UM-U</b>	U-Bracket for vertical, horizontal, ceiling or parallel-mounting of <b>112UM</b> speakers
<b>115TW-U</b>	U-Bracket for vertical, horizontal, ceiling or parallel-mounting of <b>115TW</b> speakers
<b>108IM-U</b>	U-Bracket for vertical, horizontal, ceiling or parallel-mounting <b>108IM</b> & <b>208CIM</b>
<b>108IM-U-W</b>	U-Bracket for vertical, horizontal, ceiling or parallel-mounting <b>108IM-W</b> & <b>208CIM-W</b>
<b>112IM-U</b>	U-Bracket for vertical, horizontal, ceiling or parallel-mounting <b>112IM-W</b> & <b>212CIM-W</b>
<b>112IM-U-W</b>	U-Bracket for vertical / horizontal / ceiling or parallel-mounting of <b>112IM</b> & <b>212CIM</b>
<b>212IM-U</b>	U-Bracket for vertical, horizontal, ceiling parallel-mounting of <b>212IM</b> & <b>312CIM</b>
<b>PT-10</b>	Pan and tilt bracket for use with <b>103IM</b> and <b>106IM</b> speaker systems
<b>PT35-2</b>	Pan and tilt bracket and pole mounting for <b>108IM</b> and <b>208CIM</b> speakers.
<b>PT70-2</b>	Pan and Tilt bracket for use with <b>112IM</b> , <b>212CIM</b> , <b>112UM</b> & <b>115TW</b> speakers
<b>Pole Mount Mini</b>	Pole mount bracket for use with <b>103IM</b> and <b>106IM</b> speaker systems
<b>Pole Mount System-2</b>	Small and large pole mounting brackets for <b>112IM</b> and <b>212CIM</b> speakers
<b>Pole Mount System EX-2</b>	Extra-long pole-mount bracket for use with <b>CrossField Array</b> , <b>312CIM</b> & <b>212IM</b> speakers

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