

FULL LINE CATALOG



ONE SYSTEMS[®]
DIRECT WEATHER LOUDSPEAKERS



onpointaudio
ACOUSTIC EXCELLENCE[®]

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DIRECT-WEATHER INJECTION-MOLDED ENCLOSURES

In direct weather applications where speaker systems have no protection from the elements, One Systems injection-molded enclosures can easily withstand the harshest weather conditions and deliver useful system life. Weatherproofing features include our 3-layer “rain shield” grille with a marine capable coating (dramatically reducing moisture intrusion into the enclosure), high-quality UV-resistant injection molded copolymer cabinets, 316 (marine) grade stainless steel insert points, and marine grade stainless mounting hardware that provide a very high safety factor in extreme weather conditions.

For EASE data and more detailed product information, visit our website at www.onesystems.com.

NORTH CAROLINA STATE UNIVERSITY ATHLETIC FIELDS | RALEIGH, NORTH CAROLINA



ONE SYSTEMS UNIVERSAL APPLICATION LOUDSPEAKERS

One Systems was founded in 2006 to meet an unfilled objective in the professional audio industry for speakers that deliver the highest level of intelligibility, full bandwidth response for use in performance-critical applications, and are yet rugged enough to survive outdoor installations in any weather condition.

One Systems delivered on that objective! One Systems speakers have been installed in prestigious sports and entertainment venues all over the world. One Systems customers have designed and installed our premium speakers for Olympic arenas, World Cup soccer venues, NFL and MLB stadiums, major college football stadiums, multiple cruise ship lines, resort facilities, casinos, international airports, convention centers, retail spaces, and restaurants – anywhere outdoors, and most any indoor venues that require premium speakers that carry the added benefit of superior weather protection.

Leading audio consultants have learned that One Systems models deliver impressive sound and can withstand all weather conditions, no matter where the speakers are installed around the world. In short, One Systems speakers maintain the perfect combination of high vocal intelligibility, wide response for accurate musical reproduction, comprehensive weatherproofing, and incredible installation flexibility.

One Systems designs and manufactures every speaker system using its own transducers, enclosures, and hardware. Unlike a large number of professional speaker brands, One Systems builds its own transducers using patented technologies.

ACOUSTIC INNOVATIONS

EQUIVALENT THROAT TECHNOLOGY®

One Systems developed Equivalent Throat® Technology (ET). Equivalent Throat® Technology precisely couples the speaker's horn and driver together to deliver its rated HF coverage pattern up to 13,000 Hz – far wider than any other design available. This patented One Systems technology provides beautifully detailed high-frequency response, ensures even coverage without beaming, and helps deliver detailed sound over longer distances. It's an ideal design feature for system designers that demand excellent quality, but also desire the best in HF pattern control.

INSIDE / ONLY® VOICE COIL TECHNOLOGY

One Systems patented Inside/Only® technology is another significant breakthrough. Typical woofer designs have been made with their voice coil positioned on the outside of the coil support structure, which limits cooling to the physical height of the front plate. The Inside/Only® design is made in a way that the voice coil is wound on the inside of the bobbin. The entire height of its coil is in physical proximity to the pole section of the magnet structure. This reduces the possibility of voice coil rubs, thereby improving reliability, while lowering power compression.

WOOFERS WITH A DIFFERENCE

From the outside, One Systems woofers look and feel like they have paper cones. However, they're actually made of a special composition of materials that are silicon-impregnated. The woofer surrounds are filled with silicon as well. The silicon impregnation and surround treatment improves the audio performance by greatly minimizing spurious resonances, and also ensures that the cones are protected on the front and back against moisture absorption. This provides better sound and longer life.

WEATHERPROOFING FEATURES

NEW “HYBRID” TECHNOLOGY

One Systems’ new HYBRID technology loudspeakers are protected from outdoor elements at an even higher level now with its enhanced weather protection features.

Every One Systems HYBRID model is equipped with 316-grade marine stainless steel for structural reinforcement and rigging points. The grilles and non-structural components are made of 304-grade stainless steel covered with a brand new marine-capable polyester coating.

One Systems’ combination of marine stainless steel suspension and reinforcement hardware and “HYBRID” stainless steel grilles, delivers the industry’s highest corrosion resistance. This ensures more years of worry-free use.

For applications on cruise ships or within 16 km / 10 miles of salt water, vented One Systems HYBRID models also include a set of vent plugs that prevents intrusion of corrosive salt air or water into the enclosure (IP 56). This means that all One Systems models function with IP45 protection from water and dust particulate intrusion, but are capable of being converted to IP56 protection. Our sealed cabinets are already designed to IP56 standards.

THREE-LAYER “RAIN SHIELD” GRILLES

For speakers installed outdoors, stainless steel grilles and hardware are a fundamental requirement to insure maximum useful life. Every One Systems model utilizes stainless steel grilles featuring a “Rain Shield” 3-layer design that minimizes moisture intrusion.

Each grille’s outer layer is made of heavy-gauge 304-grade stainless steel covered with a thick marine capable coating. The second layer is a fine-woven hydrophobic cloth that minimizes water absorption by breaking down direct water streams or raindrops into a fine mist. The grille’s third layer is reticulated foam. This foam breaks up moisture and forces it downward, so that it either evaporates or flows out of the enclosure. The combination of these three layers is acoustically transparent, while keeping transducers and crossover components dry to deliver outstanding performance with a long and useful life.

WEATHER & UV-RESISTANT ENCLOSURES

One Systems injection molded enclosures provide high levels of weather and UV resistance. The enclosures are molded with a thick-walled polypropylene resin, proven time and again to be incredibly reliable at handling temperature extremes, moisture, humidity, and the rays from the sun.

The CrossField Array-2/HTH’s enclosure is made of gel-coated laminated fiberglass, a tough composite material that is also used to build boat hulls, cars and other products requiring weather resistance and, strength.

INPUT WEATHER COVERS

All One System models are equipped with weather covers that are equipped with an integral gland nut for use in outdoor applications. The weather cover’s gland nut is completely weatherproof (IP 68 rated) and can be used with cables up to AWG 12. All input connections are made using barrier strips equipped with stainless steel hardware.

INSTALLATION FEATURES

FLEXIBLE POWERING OPTIONS

Most One Systems models are installer-configurable for low impedance (4 – 8 ohm) or high impedance (70.7 – 100 volt) operation. The mode of operation is selected without the need to use switches that compromise reliability. This enables speakers to be individually configured when installed, provides additional flexibility and simplifies ordering.

OPTIMUM COVERAGE FLEXIBILITY

Many One Systems models offer a choice of rotatable high frequency horns to customize the system's HF coverage for given applications. With a selection of models offering rotatable long-throw (60° x 40°), rotatable wide-throw (105° x 60°) or conical (60° or 70°) coverage, designers and facility owners will get the coverage that is needed in their venue. With the added flexibility of orienting the speaker horizontally or vertically, its positioning and appearance can be customized to the project or venue.

INCREDIBLE SUSPENSION FLEXIBILITY

To ensure that products can be safely installed and correctly aimed, each One Systems model is equipped with multiple suspension points that accommodate a range of One Systems suspension hardware. To provide maximum flexibility, we offer:

U-Brackets – an easy way to achieve vertical wall, horizontal wall, or ceiling parallel mounting

Pan and Tilt Brackets – provide horizontal and vertical aiming capability with speakers attached to walls or other flat surfaces

Pole Mount Brackets – enable mounting on light or utility poles (where permitted by local and national codes)

Eyebolt Rigging – enable speakers to be flown from overhead structures using forged-shoulder eyebolt kits

All One Systems installation hardware is built with 316 grade (marine) stainless steel for safety and longevity at outdoor and general indoor applications. One Systems stainless steel suspension points and the enclosures provide > 8:1 safety factor ratings. This means that each fly point can support more than 8 times the weight of the system.

THE LUX BELLE MARE | BELLE MARE, MAURITIUS



WESTLAKE GIRLS HIGH SCHOOL | AUCKLAND, NEW ZEALAND



104/HTH™

The 104/HTH is 4.5-inch two-way small format system with a unique value proposition: it delivers class-leading vocal and music reproduction thanks to its well-designed components plus it provides true direct weather capability, including use on ships or near the ocean thanks to the high corrosion resistance of its Hybrid grille and marine stainless steel hardware. The 104/HTH's large voice coil transducers eliminate the need for any type of sound-killing passive protection while delivering pure audio performance. The 104/HTH includes a 316 marine-grade U-Bracket in paintable black or white finishes.

Frequency Response +/- 3 dB	+/- 3 dB; 8.3 x 6.15 x 5.1 in. (85 - 20,000 Hz)
Power Handling (Continuous / Peak):	50 watts / 200 watts
Sensitivity (1 W / 1 M):	87 dB
Calculated Output (Continuous / Peak):	103.9 dB / 109.9 dB
Coverage Pattern (H x V):	110° x 80°
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	12.5, 25, 50 watts
Dimensions, (H x W x D) mm:	211.2 x 156.2 x 130.5 mm
Dimensions, (H x W x D) in:	8.3 x 6.16 x 5.1 in
Ingress Protection / Weather Rating:	IP 56
Net Weight:	3.5 kg / 7.7 lb



FEATURES AND BENEFITS

- Premium 4.5-inch two-way speaker system
- Can be used anywhere outdoors or for general purpose indoor uses
50 watts continuous, 200 watts peak power handling
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 50, 25 and 12.5 watts
- 110° x 80° HF coverage
- Includes 316 marine grade stainless steel U-Bracket, reinforcement and suspension hardware provides high corrosion resistance
- No passive protection used - thereby improving sound quality

HARDWARE

- PT-10/M; PM2/M

106/HTH™

The 106/HTH provides an unbeatable combination of excellent sound quality and good acoustic output for its size as well as universal direct weather performance. Unlike typical small-format systems, the 106/HTH uses a compression driver with an 110° x 70° CD horn that delivers excellent vocal intelligibility with excellent transients and impressive projection. Its 6.5-inch woofer features a large-sized 1.75-inch voice coil that provides good power handling yet doesn't require passive protection. The 106/HTH is a high performance solution for demanding applications.

Frequency Response +/- 3 dB	80 - 20,000 Hz
Power Handling (Continuous / Peak):	100 watts / 400 watts
Sensitivity (1 W / 1 M):	89 dB
Calculated Output (Continuous / Peak):	109 dB / 115 dB
Coverage Pattern (H x V):	110° x 70°
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	12.5, 25, 50 watts
Dimensions, (H x W x D) mm:	312 x 185 x 217.1 mm
Dimensions, (H x W x D) in:	12.3 x 7.3 x 8.5 in
Ingress Protection / Weather Rating:	IP 56
Net Weight:	6.5 kg / 14.6 lb



FEATURES AND BENEFITS

- Premium 6.5-inch two-way speaker with small-format compression driver and CD horn
- Can be used anywhere outdoors or for general purpose indoor use
- 100 watts continuous, 400 watts peak power handling
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 50, 25 and 12.5 watts)
- 110° x 70° HF coverage
- 316 marine grade stainless steel U-Bracket, reinforcement and suspension hardware provides high corrosion resistance
- No passive protection used - thereby improving sound quality

HARDWARE

- PT-10/M; PM2/M



108/HTC™

The 108/HTC combines an 8-inch woofer equipped with a 2.5-inch voice coil with a coaxially mounted medium-format compression driver. The coaxial HF driver mounting ensures zero horn coloration and eliminates sonic smear caused by multiple sound sources. It delivers high vocal intelligibility with good bandwidth for music reproduction. The 108/HTC delivers high output-to-size ratio and its multiple M8 fly points make it easy and secure for installation for indoor or outdoor applications. For near field and medium-range coverage, the 108/HTC is sonically superior and budget-friendly.

Frequency Response +/- 3 dB:	70 - 16,000 Hz
Power Handling (Continuous / Peak):	200 watts / 800 watts
Sensitivity (1 W / 1 M):	92 dB
Calculated Output (Continuous / Peak):	115 / 121 dB
Coverage Pattern (H x V):	70° conical
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	37.5, 75, 150 watts
Dimensions, (H x W x D) mm:	350 x 233.2 x 271.4 mm
Dimensions, (H x W x D) in:	13.8 x 9.2 x 10.7 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	13.6 KG / 29.9 LB



FEATURES AND BENEFITS

- Premium 8-inch two-way coaxial system with medium format compression driver
- Coaxial "point source" design provides excellent time domain performance
- Usable anywhere outdoors or for general purpose indoor applications
- 200 watts continuous, 800 watts peak power handling
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 150, 75 and 37.5 watts
- 70° conical HF coverage
- 316 grade stainless steel suspension hardware provides high corrosion resistance

HARDWARE

- M8 eyebolt; PT-38/M; PM3/M; 108/HTC-U/M

108/HTH™

The 108/HTH is the epitome of flexibility: it includes a long-throw 60° x 40° rotatable horn driven by a medium-format compression driver, but it also comes with a rotatable wide-throw 105° x 60° horn too. The 108/HTH's combination of rotatable long and wide-throw horns, wide frequency response, beefy components and solid power handling provides excellent performance for a variety of applications. Its built-in 3-tap transformer provides 70.7 – 100 volt taps at 37.5, 75 and 150 watts or it can be powered as an 8-ohm system too. The 108/HTH's sound quality, build quality and flexibility makes it a perfect solution for many pro audio applications.

Frequency Response +/- 3 dB	65 - 16,000 Hz
Power Handling (Continuous / Peak):	200 watts / 800 watts
Sensitivity (1 W / 1 M):	92 dB
Calculated Output (Continuous / Peak):	115 dB / 121 dB
Coverage Pattern (H x V):	Rotatable 60° x 40° and 105° x 60° (both included)
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	37.5, 75, 150 watts
Dimensions, (H x W x D) mm:	483.3 x 243.2 x 270.8 mm
Dimensions, (H x W x D) in:	19.05 x 9.56 x 10.66 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	16.5 kg / 36.4 lb



FEATURES AND BENEFITS

- Premium 8-inch two-way system with medium format compression driver
Includes long-throw (60 x 40 degree) and wide-throw (105 x 60 degree) rotatable horns for coverage flexibility
- Usable anywhere outdoors or for general indoor applications
- 200 watts continuous, 800 watts peak power handling
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 150, 75 and 37.5 watts
- 70° conical HF coverage
- 316 marine grade stainless steel reinforcement and suspension hardware provides high corrosion resistance

HARDWARE

- M8 eyebolt; PT-38/M; PM3/M; 108/HTH-U/M

208/HTC™

The 208/HTC is a two-element vertical array system that delivers impressive output capability, high intelligibility and wide response from its small-sized enclosure. In the low frequency range, the speaker's two 8-inch woofers combine their output to produce well-balanced low end to 65 Hz. Thanks to its coaxial design, mids and highs are flawlessly reproduced without horn coloration or delay distortions. It can be used for applications where 12-inch systems would typically be used but require a more compact sized alternative. The 208/HTC includes a 70.7 - 100 volt transformer and can be oriented vertically or horizontally to match the application's need.

Frequency Response +/- 3 dB:	65 - 16,000 Hz
Power Handling (Continuous / Peak):	400 watts / 1,600 watts
Sensitivity (1 W / 1 M):	96 dB
Calculated Output (Continuous / Peak):	122 dB / 128 dB
Coverage Pattern (H x V):	70° conical
Lo-Z Input Impedance:	4 ohms
Hi-Z Transformer Taps (70.7 - 100V):	37.5, 75, 150 watts
Dimensions, (H x W x D) mm:	483.3 x 243.2 x 270.8 mm
Dimensions, (H x W x D) in:	19.05 x 9.56 x 10.66 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	19.5 kg / 43 lb



FEATURES AND BENEFITS

- Premium dual 8-inch two-way system with coaxially mounted medium format compression driver
- Usable anywhere outdoors or for general indoor applications
- 400 watts continuous, 1,600 watts peak power handling
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 150, 75 and 37.5 watts
- 70° conical HF coverage
- High output-to-size ratio
- 316 marine grade stainless steel suspension and reinforcement hardware provides superior corrosion resistance

HARDWARE

- M8 eyebolt; PT-38/M; PM3/M; 108/HTH-U/M



112/HTH™

The 112/HTH provides high-level acoustic output with extended low-frequency response from a reasonably sized, direct weather capable enclosure. The 112/HTH's combination of large-format ET-1 compression driver and powerful 12-inch woofer with a 4-inch voice coil provides superb intelligibility, extended bandwidth and superior dynamic range. The 112/HTH comes with a large-sized, rotatable 60° x 40° horn, but also accommodates a rotatable 105° x 60° when wide coverage is required. The 112/HTH's combination of wide bandwidth, projection capability and the flexibility of multiple coverage patterns and Lo-Z or Hi-Z operation make it a versatile pro audio tool.

Frequency Response +/- 3 dB:	60 - 16,000 Hz
Power Handling (Continuous / Peak):	800 watts / 3,200 watts
Sensitivity (1 W / 1 M):	96 dB
Calculated output:	125 dB / 131 dB.
Coverage Pattern (H x V):	Rotatable 60° x 40°; 105° x 60° (available on request)
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	37.5, 75, 150 watts
Dimensions, (H x W x D) mm:	748 x 368 x 398.3 mm
Dimensions, (H x W x D) in:	29.5 x 14.5 x 15.7 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	35.3 kg / 77.8 lb



FEATURES AND BENEFITS

- Premium 12-inch two-way system with large format components
- 800 watts continuous, 3,200 watts peak power handling
- Rotatable 60 x 40 degree horn installed; wide-throw (105 x 60 degree) rotatable horns available with order
- Usable anywhere outdoors or for general purpose indoor applications
- Can be powered Lo-Z (8 ohm) or Hi-Z (70.7 - 100 V with transformer taps at 150, 75 and 37.5 watts
- 316 marine grade stainless steel suspension and reinforcement hardware provides high corrosion resistance
- Wide 60 - 16,000 Hz + / - 3 dB frequency response and superior time domain performance provides high fidelity music reproduction

HARDWARE

- M10 eyebolt; 112/HTH-U/M; PT-76/M; PM4/M

212/HC™

The 212/HC is a dual 12-inch vertical array that produces high-SPL program material with superb intelligibility. The 212/HC's combination of coaxially mounted large-format compression driver and powerful 12-inch woofers with 4-inch voice coils provides beautifully detailed vocals and music with enough output to cover large spaces outdoors or indoors. The 212/HC uses the cone of its upper woofer to direct its output providing 60° coverage without horn coloration or time domain distortions. This enables the system to be installed horizontally or vertically and provides excellent pattern control. Widely used in large sports venues, the 212/HC delivers impressive sound quality and high output capability.

Frequency Response +/- 3 dB:	75 - 16,000 Hz
Power Handling (Continuous / Peak):	1,200 watts / 4,800 watts
Sensitivity (1 W / 1 M):	99 dB
Calculated Output (Continuous / Peak):	129.7 dB / 135.7 dB
Coverage Pattern (H x V):	60° conical
Input Impedance:	4 ohms
Dimensions, (H x W x D) mm:	748 x 368 x 398.3 mm
Dimensions, (H x W x D) in:	29.5 x 14.5 x 15.7 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	32.8 kg / 72 lb



FEATURES AND BENEFITS

- Premium double 12-inch coaxial two-way system with large format components
- 1,200 watts continuous, 4,800 watts peak power handling
- 60° conical coverage
- Usable anywhere outdoors or for general-purpose indoor applications
- 316 grade stainless steel suspension and reinforcement hardware
- High output with incredible projection

HARDWARE

- M10 eyebolt; 112/HTH-U/M; PT-76/M; PM4/M

118/HSB™

The 118/HSB subwoofer is a necessity (and perfect upgrade path) for systems that want low-frequency impact that the audience can feel. It combines a powerful One Systems 18I/O woofer and an extremely weather-resistant molded enclosure that's well tuned to provide solid 40 Hz (-3 dB) performance. The 118/HSB can be installed using a range of One Systems suspension hardware to customize it for a variety of placement. The 118/HSB's high output-to-size ratio and deep bass capability make it a great addition to any audio system.

Frequency Response +/- 3 dB:	40 - 120 Hz
Power Handling (Continuous / Peak):	1,000 watts / 4,000 watts
Sensitivity (1 W / 1 M):	98 dB (half space); 95 dB (full space)
Calculated Output (Continuous / Peak):	128 dB / 134 dB
Coverage Pattern (H x V):	nearly omnidirectional
Input Impedance:	8 ohms
Dimensions, (H x W x D) mm:	584 x 510 x 525.3 mm
Dimensions, (H x W x D) in:	23.0 x 20.1 x 20.7 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	33 kg / 73 lb



FEATURES AND BENEFITS

- 18-inch subwoofer system with large format woofer
- 1,000 watts continuous, 4,000 watts peak power handling
- Usable anywhere outdoors or for general-purpose indoor applications
- 316 marine grade stainless steel suspension and reinforcement hardware provides high corrosion resistance
- 40 - 120 Hz + / - 3 dB response - true low bass performance
- Compact enclosure with excellent installation flexibility thanks to range of optional suspension hardware

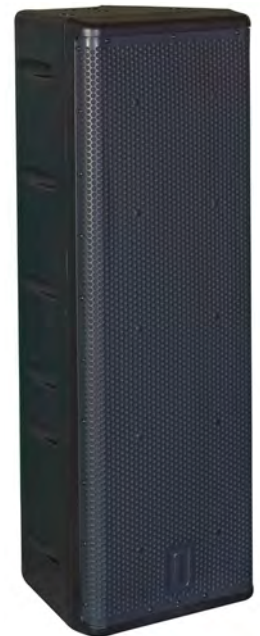
HARDWARE

- M10 eyebolt; 112/HTH-U/M; PT-76/M; PM4/M

312/HC™

The 312/HC is a 3-element vertical array that delivers very high output vocal material and wide-range music with superior intelligibility. In the 312/HC, the low end and mid frequencies are reproduced by 3 x One Systems 12-inch woofers equipped with 4-inch voice coils. The bottom woofer is frequency-shaded at 400 Hz to help improve directional control. The top driver has a One Systems large-format HF driver mounted coaxially and uses the woofer's cone to project its output delivering 60° conical coverage. The result is beautifully balanced sound that is delivered where the speaker is aimed. The 312/HC offers a perfect solution for covering large areas outdoors or in reverberant indoor spaces.

Frequency Response +/- 3 dB:	85 - 20,000 Hz
Power Handling (Continuous / Peak):	1,200 watts / 4,800 watts
Sensitivity (1 W / 1 M):	99 dB
Calculated Output (Continuous / Peak):	129.7 dB / 135.7 dB
Coverage Pattern (H x V):	60° conical
Input Impedance:	4 ohms
Dimensions, (H x W x D) mm:	1,100 x 368 x 414 mm
Dimensions, (H x W x D) in:	43.3 x 14.5 x 16.3 in
Ingress Protection / Weather Rating:	IP 45 (IP 56 with vent plugs)
Net Weight:	42.2 kg / 93.5 lb



FEATURES AND BENEFITS

- Premium triple 12-inch coaxial vertical array system with large format components
- 1,200 watts continuous, 4,800 watts peak power handling
- 60° conical coverage
- Maintains 60° radiation pattern to < 400 Hz thanks to frequency shading
- Works well in large reverberant spaces indoors or for outdoor applications
- Usable anywhere outdoors or for general-purpose indoor applications
- 316 marine grade stainless steel suspension and reinforcement hardware
- High output with incredible projection capability

HARDWARE

- M10 eyebolt; 312/HC-U/M; PT-76/M; PM4/M

CROSSFIELD ARRAY-2/HTH™

The CrossField Array-2/HTH (CFA-2/HTH) is a two-way long-throw speaker with high intelligibility, wide frequency response and prodigious acoustic output for long-throw applications. Thanks to its high sensitivity and large power handling, the CrossField Array-2/HTH can deliver high SPL at impressive distances. The CFA-2/HTH can be powered as a 4-ohm system (1,200 watts continuous) or a high-impedance (autoformer taps at 150, 300 and 600 watts). The CFA-2/HTH's hand-laminated, gel-coated enclosure is extraordinarily compact for such a high-output system. The CFA-2/HTH's delivers unprecedented performance, flexibility and value.

Frequency Response +/- 3 dB:	60 - 16,000 Hz
Power Handling (Continuous / Peak):	1,200 watts / 4,800 watts
Sensitivity (1 W / 1 M):	104 dB
Calculated Output (Continuous / Peak):	134.7 dB / 140.7 dB
Coverage Pattern (H x V):	Rotatable 55° x 30°
Input Impedance:	4 ohms
Hi-Z Transformer Taps (70.7 - 100V):	150, 300, 600 watts
Dimensions, (H x W x D) mm:	876.5 x 572.6 x 446.3 mm
Dimensions, (H x W x D) in:	34.5 x 22.5 x 17.6 in
Ingress Protection / Weather Rating:	IP 56
Net Weight:	60.6 kg / 133.6 lb



FEATURES AND BENEFITS

- Long-throw, high output speaker system with wide frequency response
- 1,200 watts continuous, 4,800 watts peak power handling and high input sensitivity
- Rotatable 55° x 30° HF array driven by two large-format HF drivers
- Four 10-inch woofers equipped with 4-inch voice coils arranged in a 2 x 2 array
- Usable anywhere outdoors or for general-purpose indoor applications
- 316 marine grade stainless steel suspension and reinforcement hardware
- Compact enclosure size

HARDWARE

- M10 eyebolt; CFA-2-U/M; PT-76/M; PM4/M



BLISS BEACH | PHUKET, THAILAND

SIR JOHN GUISE STADIUM | PORT MORESBY, PAPUA NEW GUINEA



ONE SYSTEMS SUSPENSION ACCESSORIES

One Systems offers a variety of suspension hardware that enables customized installation for nearly any application. One Systems suspension hardware is heavy-duty, offers flexibility and can be used for all outdoor applications, or for general purpose indoor use. All hardware is built of 316-grade (marine) stainless steel that delivers incredible corrosion resistance. Visit our website at www.onesystems.com for more detailed information on these products.

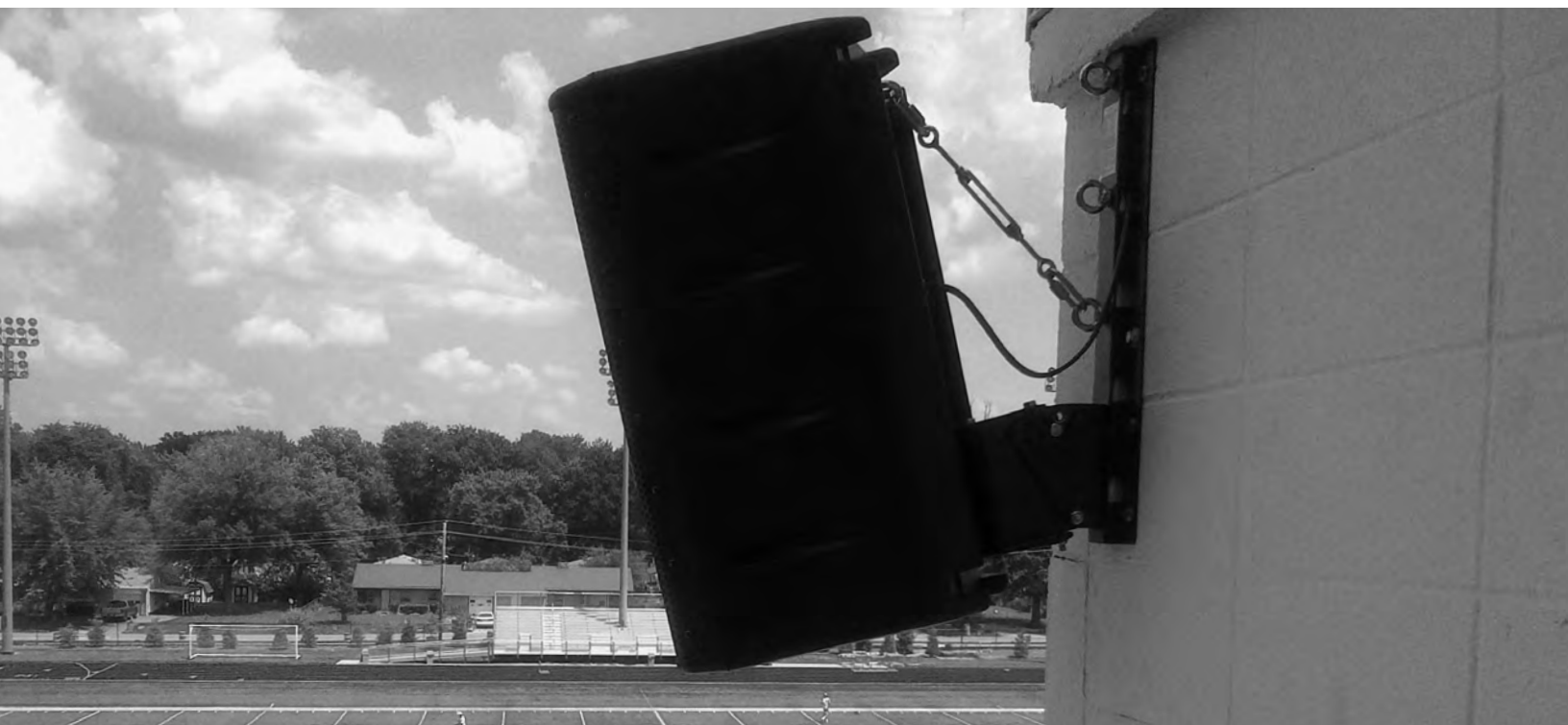
EYE BOLT KITS – 316-GRADE (MARINE) STAINLESS STEEL

- M8 Eyebolt Kit/Marine – 4 x 316-grade (marine) stainless steel M8 eyebolts for use with 108/HTC, 108/HTH and 208/HTC
- M10 Eyebolt Kit/Marine – 4 x 316-grade (marine) stainless steel M10 eyebolts for use with 112/HTH, 118/HSB, 212/HC, 312/HC and CFA-2/HTH

U-BRACKETS – 316-GRADE (MARINE) STAINLESS STEEL

- U-Brackets included with 104/HTH and 106/HTH speakers
- 108/HTC-U/M – for suspending 108/HTC (available in black and white)
- 108/HTH-U/M – for suspending 108/HTH and 208/HTC (available in black and white)
- 112/HTH-U/M – for suspending 112/HTH and 212/HC (available in black and white)
- 312/HC-U/M – for suspending 312/HC (black)
- CFA-2-U/M – for suspending CFA-2/HTH

THE UNIVERSITY OF INDIANAPOLIS | INDIANAPOLIS, INDIANA



PAN & TILT BRACKETS – 316-GRADE (MARINE) STAINLESS STEEL

- PT-10/M – for 104/HTH and 106/HTH speakers (available in black and white)
- PT-38/M – for 108/HTC, 108/HTH and 208/HTC speakers (available in black and white)
- PT-76/M – for 112/HTC, 118/HSB, 212/HC, 312/HC and CFA-2/HTH (available in black and white)

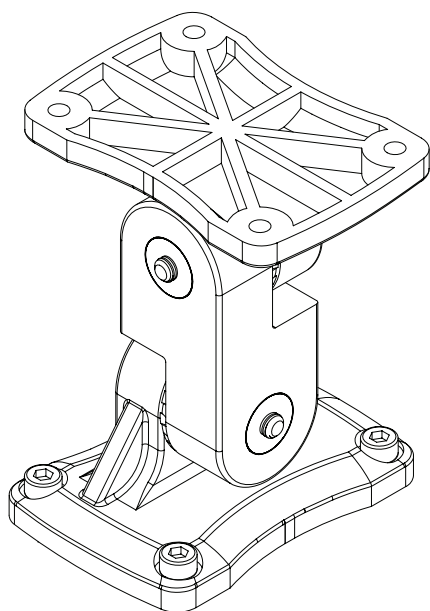
POLE MOUNT BRACKETS - 316-GRADE (MARINE) STAINLESS STEEL

- PM2/M – for 104/HTH and 106/HTH speakers (available in black and white)
- PM3/M – for 108/HTC, 108/HTH and 208/HTC speakers (available in black and white)
- PM4/M – for 112/HTC, 118/HSB, 212/HC, 312/HC and CFA-2/HTH (available in black and white)

OKLAHOMA STATE SUPREME COURT | OKLAHOMA CITY, OKLAHOMA

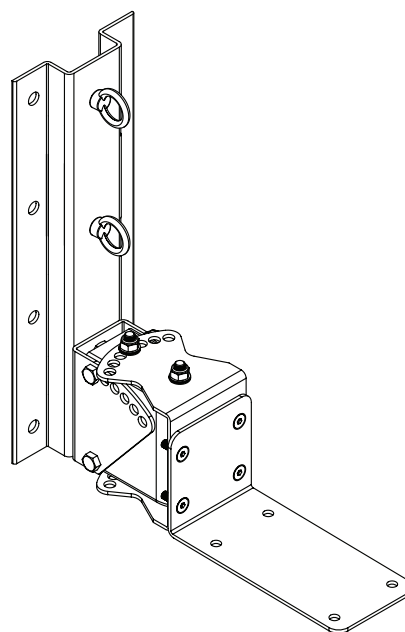


ONE SYSTEMS ACCESSORIES



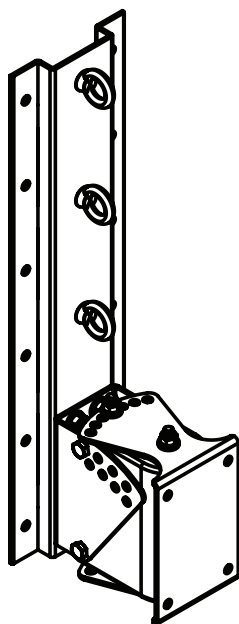
PT10/M

Black or white 316-grade (marine) stainless steel Pan/Tilt bracket for use with 104/HTH and 106/HTH



PT38/M

Black or white 316-grade (marine) stainless steel Pan/Tilt bracket for use with 108/HTC, 108/HTH and 208/HTC



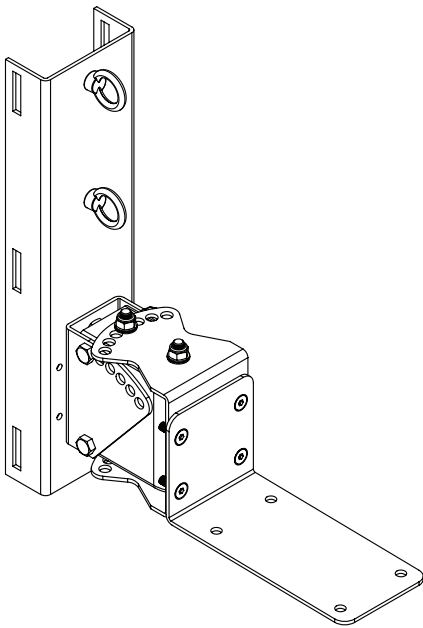
PT76/M

Black or white 316-grade (marine) stainless steel Pan/Tilt bracket for use with 112/HTH, 118/HSB, 212/HC, 312/HC and CFA-2/HTH



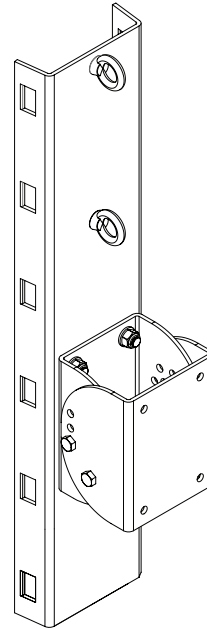
PM2/M

Black or white 316-grade (marine) stainless steel Pan/Tilt bracket for use with 108/HTC, 108/HTH and 208/HTC



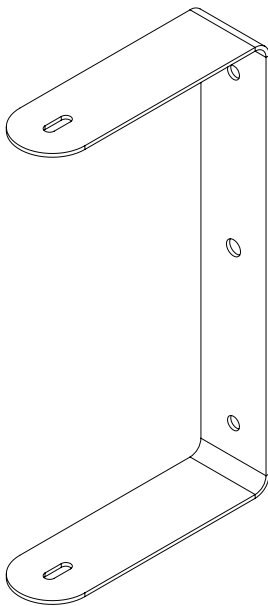
PM3/M

Black or white 316-grade (marine) stainless steel pole mount bracket for use with 108/HTC, 108/HTH and 208/HTC



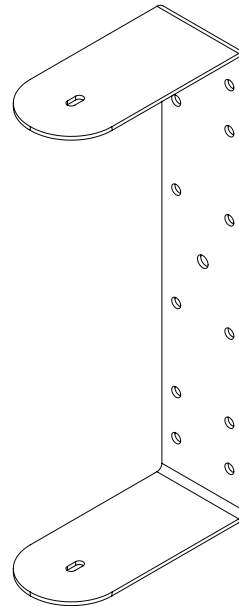
PM4/M

Black or white 316-grade (marine) stainless steel pole mount bracket for use with 112/HTH, 118/HSB, 212/HC, 312/HC and CFA-2/HTH



108/HTC-U

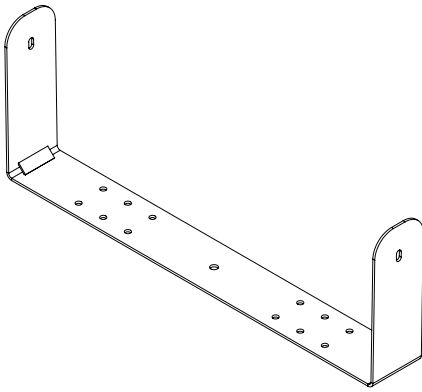
Black or white 316-grade (marine) stainless steel U-bracket for the 108/HTC speaker system



108/HTH-U

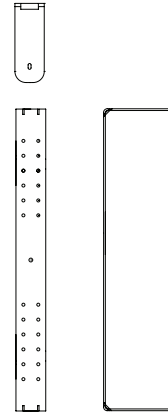
Black or white 316-grade (marine) stainless steel U-bracket for use with 108/HTH and 208/HTC

ONE SYSTEMS ACCESSORIES



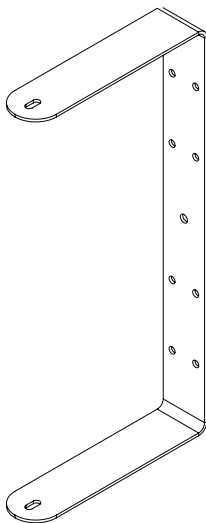
112/HTH-U

Black or white 316-grade (marine) stainless steel U-bracket for use with 112/HTH and 212/HC



312/HC-U

Black 316-grade (marine) stainless steel U-bracket for 312/HC speaker system



118/HSB-U

Black or white 316-grade (marine) stainless steel Pan/Tilt bracket for use with 112/HTH, 118/HSB, 212/HC, 312/HC and CFA-2/HTH

GREAT AMERICAN BALLPARK | CINCINNATI, OHIO





onpointaudio

ACOUSTIC EXCELLENCE®

ON POINT AUDIO

On Point Audio is a vibrant, fast growing brand of One Systems, Inc. On Point Audio was developed to use the company's design engineering and manufacturing expertise to provide customers with a unique range of non-weatherproof speakers that provide extraordinarily high value for installations and other applications. The same engineering team that designed One Systems products, developed On Point Audio speaker systems.

In On Point Audio products, you'll find premium loudspeaker components that include pure titanium compression drivers and large-format woofers. To meet customer demands for high output from small enclosures, On Point Audio developed Narrow-Profile™ woofers. These woofers combine standard-sized cones with rectangular frames, and a unique rolling-style surround that enables significant reductions in the size of the drivers and enclosures.

All On Point Audio systems feature very high quality enclosure designs, and are built to provide years of outstanding performance. On Point Audio enclosures are heavily reinforced to ensure freedom from unwanted resonances, as well as providing safety and flexibility for installations.

On Point Audio models that include built in amplifiers and digital signal processing use premium, European-designed electronics. Their class D circuits are electrically efficient and have well designed topology that maximizes headroom and keeps distortion low.

LUTHER COLLEGE | CROYDON, AUSTRALIA



OPALINE-82

The OPALine-82 is a passive eight-element vertical array column featuring close-spaced, 2-inch full range transducers built by On Point Audio. Thanks to its large-sized voice coils and clever design, the OPALine-82 provides the highest output capability in its class. The OPALine-82 provides wide 120-degree horizontal and progressively directive, 10-degree minimum vertical coverage. The OPALine-82's enclosure is made of steel equipped with a heavy gauge steel grille to protect its drivers and is available in black and white finishes. The OPALine-82 can be used as a vocal reinforcement system for distributed applications, as a background music system or to provide audio for video monitors, among many other uses. The OPALine-82 can also be combined with the On Point Audio OPA-151SA dual-powered, DSP controlled subwoofer to create a wide bandwidth, high output, yet nearly inconspicuous powered system for live sound, installations or corporate events.

Available in black and white.

System Configuration:	8 x 2-inch vertical array column
Frequency Response +/- 3 dB:	150 - 20,000 Hz
Power Handling (Continuous / Peak):	200 watts / 800 watts
Sensitivity (1 W / 1 M):	96 dB
Calculated Output (Continuous / Peak):	119 dB / 125 dB
Coverage Pattern (H x V):	120° x progressively directive 10° minimum
Input Impedance:	8 ohms or 32 ohms
Dimensions, (H x W x D) mm:	490 x 63 x 104.6 mm
Dimensions, (H x W x D) in:	19.3 x 2.48 x 4.12 in
Net Weight:	2.8 kg / 6.2 lb



FEATURES AND BENEFITS

- High performance 8-element vertical array with 8 x 2-inch full-range drivers designed and built by On Point Audio
- 200 watts continuous, 800 watts peak power handling
- 120 degrees horizontal x progressively directive 10 degree minimum vertical dispersion
- 150 - 20,000 Hz response - perfect for vocal reinforcement use
- Selectable 8 or 32-ohm impedance permits up to 16 systems to be powered on a single amp channel. The 32-ohm setting is also compatible with 70.7 - 100 volt lines
- An array of suspension accessories provide incredible mounting and use flexibility
- Available in black and white finishes - all steel construction

OPALINE-82 ACCESSORIES

The TBEC-82 is a bracket that combines two OPALine-82 speakers to form a two-element vertical array. The TBEC-82 attaches to the rear of the speakers via M5 inserts and permits each speaker can be aimed straight, or can be angled at 5-degrees, 10-degrees or 15-degrees to increase vertical dispersion. The TBEC-82 includes all hardware necessary to attach the speakers to the bracket.

The PTB-82 is a pan / tilt bracket for attaching one or two OPALine-82 speakers to walls or other flat surfaces. Suspending two OPALine-82s also requires use of a TBEC-82. The PTB-82 enables the attached speaker(s) to be horizontally panned in 7.5-degree steps over a + / - 30-degree total range. The bracket allows for a 15-degree down tilt adjustable in 3.8-degree steps. The PTB-82 is constructed of heavy-gauge steel and is supplied with all necessary hardware to mount the speaker to the bracket. The bracket's durable conformal coating is attractive and it provides a very high safety factor too. Available in black and white finishes.

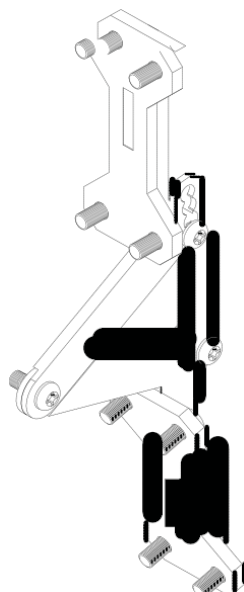
The PSA-82 is a bracket that allows one or two OPALine-82 speakers to be mounted on top of an OPA-151SA using an approved loudspeaker pole. Mounting two speakers requires use of a TBEC-82 to couple the speakers together. The PSA-82 enables the suspended speaker(s) to be aimed straight ahead (0-degrees), or to be angled downward by 10-degrees. The PSA-82 is coated in a durable conformal coating and provides a very high safety factor for the attached speakers. Available in black and white.

P1 Pole – 1,200 mm / 47.24 in loudspeaker mounting pole with M20 thread for mounting one OPALine-82 to the OPA-151SA with the PSA-82. Available in black and white.

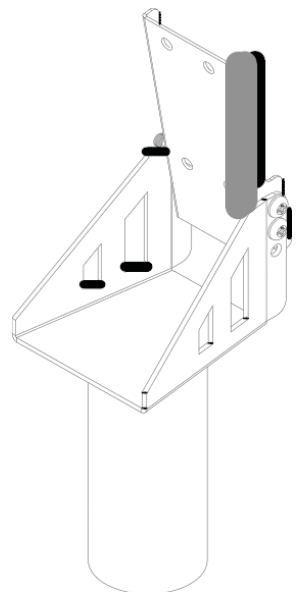
P2 Pole – 870 mm / 34.25 in loudspeaker mounting pole with M20 thread for mounting two OPALine-82s to an OPA-151SA using the PSA-82 and TBEC-82. Available in black and white.



PTB-82

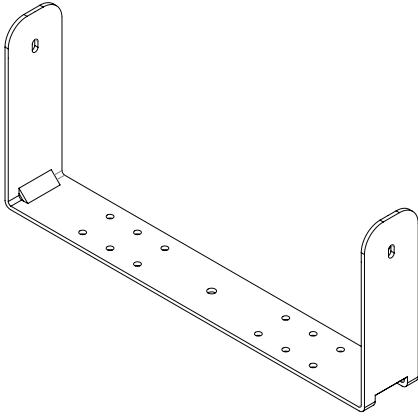


TBEC-82



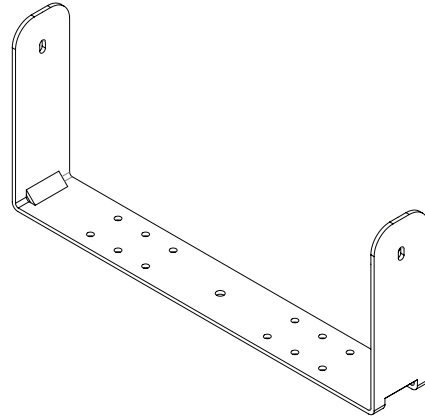
PSA-82

ON POINT ACCESSORIES



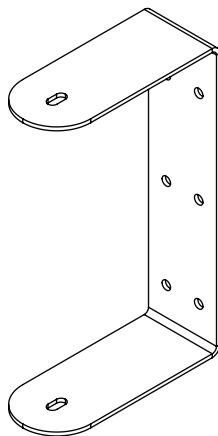
OPA-12-U

U-bracket for OPA-12 speaker available in black and white



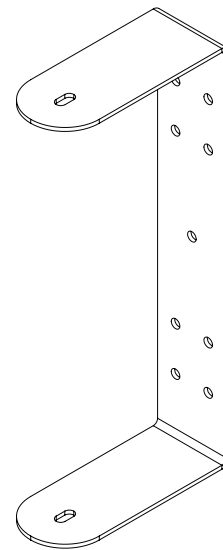
OPA-15YNP-U

U-bracket for OPA-15YNP speaker



OPA-8NP-U

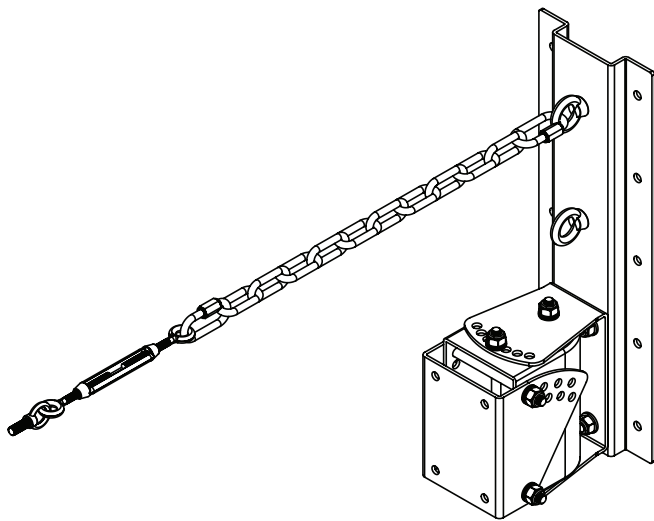
U-bracket for OPA-8NP available in black and white



OPA-28NP-U

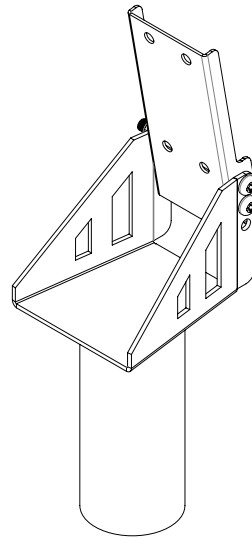
U-bracket for OPA-28NP available in black and white

ON POINT ACCESSORIES



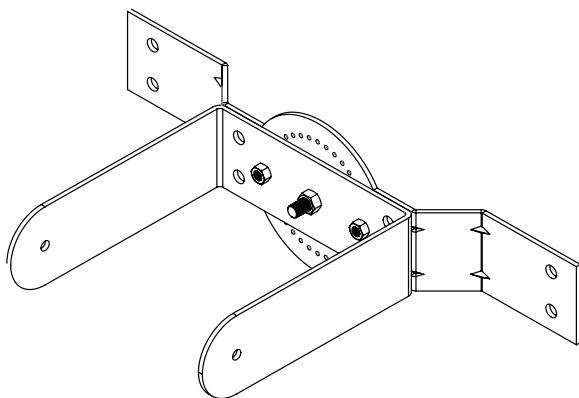
OPA-PTB

Pan/Tilt Bracket for OPA-12 and OPALine



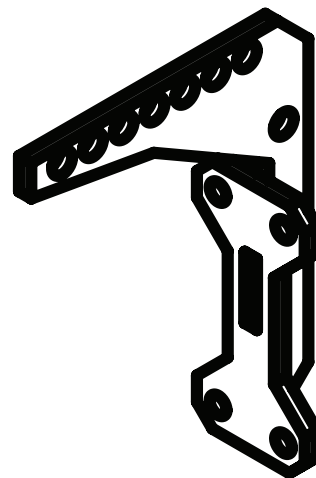
PSA-82

Pole Adaptor for OPALine-82 available in black only



PTB-8NP

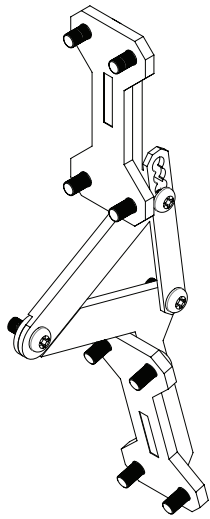
Pan / Tilt ceiling mount bracket for
OPA-8 NP



SB-82

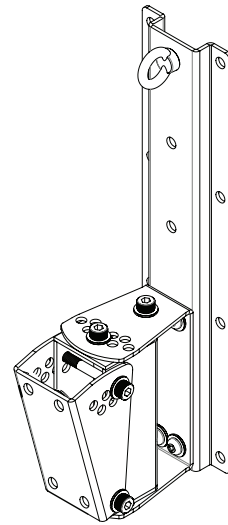
Shackle Bracket for installing OPALine-82
to structural/ceiling mounting

ON POINT ACCESSORIES



TBEC-82

Coupling bracket for connecting two OPALine-82 available in black and white



PTB-82

Pan/Tilt Bracket for OPALine-82 available in black and white

EDWARD JONES DOME | ST. LOUIS, MISSOURI



OPA-151SA

The OPA-151SA is a powered 15-inch subwoofer that combines a powerful On Point Audio driver, two 1,000-watt peak power amplifiers and flexible user-adjustable DSP into a premium enclosure. Its two amplifiers provide power for the subwoofer as well as for On Point Audio full-range models. The OPA-151SA features user-adjustable DSP control via RS-485 and also includes OPA-Net software for precise system tuning and monitoring. The OPA-151SA is equipped with factory presets for the OPALine-82 and other On Point Audio models plus three user memory slots for various setups or different program material. Powerful, yet compact, the OPA-151SA delivers an incredible assortment of features.

System Configuration:	Powered 15-inch subwoofer with two amplifiers and user-adjustable DSP
Total System Power (Continuous / Peak):	1,000 watts / 2,000 watts
Subwoofer Output (Continuous / Peak):	1,000 watts peak
Hi Output:	1,000 watts peak
System DSP Control:	OPA-Net / 24-bit RS-485
Coverage Pattern (H x V):	Essentially omnidirectional
Input:	3-pin XLR-type; 3-pin XLR-type thru
HF output:	NL-4 Speakon
Included Accessories:	OPA-Net DSP software; RS485 - USB cable
Dimensions, (H x W x D) mm:	831 x 500 x 530 mm
Dimensions, (H x W x D) in:	32.72 x 19.69 x 20.87 in
Net Weight:	TBD



FEATURES AND BENEFITS

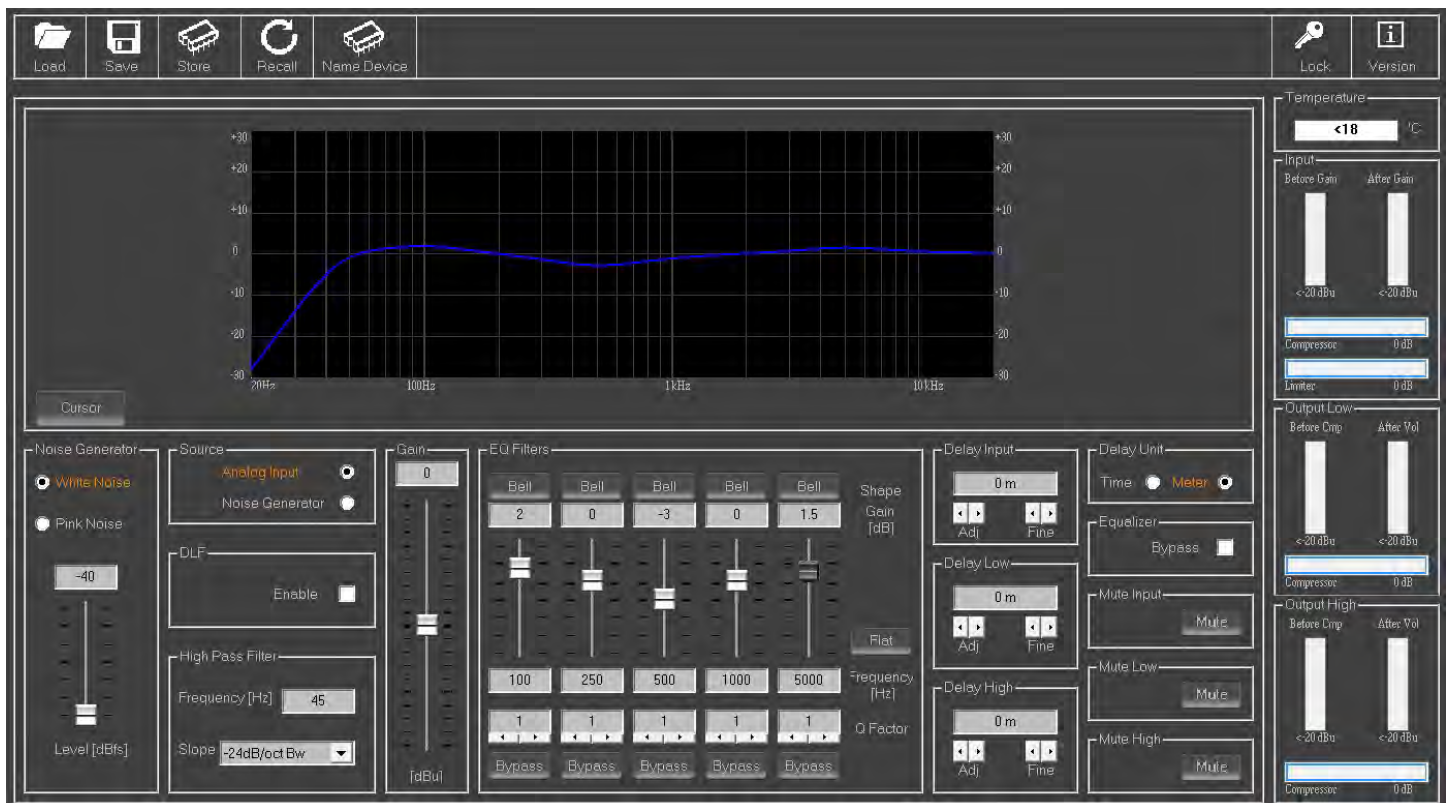
- Powered 15-inch subwoofer system with two amplifiers - one for the sub and the other to power full-range speakers
- European designed amplifier with 500 watts continuous LF and 500 watts continuous HF (1,000 watts peak LF + 1,000 watts peak HF output)
- User-adjustable DSP with access to a range of performance parameters including input and output delays, full parametric EQ, dynamics processing and more
- 15-inch On Point Audio woofer with large-format 4-inch voice coil
- Includes OPA-NET software for computer-controlled system setup and monitoring and RS 485 - USB cable
- Factory DSP settings for small and medium On Point Audio speakers plus three user memory slots for saving other setups

HARDWARE

- OPA-28-NP-U; EBKM8-W; P1 Pole; P2 Pole

OPA-NET

OPA-NET software is included with the OPA-151SA and provides full access to a palette of input / output delays, fully parametric EQ, dynamics processing, high-pass filtering and dynamic loudness filter. Program settings can be saved to memory slots in the OPA-151SA.



MAID OF THE MIST | BUFFALO, NEW YORK



WESTLAKE GIRLS HIGH SCHOOL | AUCKLAND, NEW ZEALAND



OPA-5T

The On Point Audio OPA-5T is a 5.25-inch two-way coaxial system with a small-format compression driver designed for installation applications. The OPA-5T's point-source coaxial design eliminates horn coloration and time smearing caused by sound emanation from multiple sources to deliver pure audio performance. For added flexibility, OPA-5T can be configured for low impedance use with 125 watts continuous, 500 watts peak power handling at 8 ohms, or tapped at 50 watt, 25 watt and 12.5 watt from 70.7 – 100 volt lines. The OPA-5T is an excellent solution for applications that require premium audio quality from a small form factor.

Available in black and white.



System Configuration:	5.25-inch two-way coaxial
Frequency Response +/- 3 dB:	80 – 16,000 Hz
Power Handling (Continuous / Peak):	125 watts / 500 watts
Sensitivity (1 W / 1 M):	87 dB
Calculated Output (Continuous / Peak):	107.9 dB / 113.9 dB
Coverage Pattern (H x V):	90° Conical
Lo-Z Input Impedance:	8 ohms
Hi-Z Transformer Taps (70.7 - 100V):	12.5, 25, 50 watts
Included Accessories:	OPA-5-U steel U-Bracket
Dimensions, (H x W x D) mm:	220 x 153.3 x 180.2 mm
Dimensions, (H x W x D) in:	8.66 x 6.05 x 7.09 in
Net Weight	5.1 kg / 11.25 lb

FEATURES AND BENEFITS

- 5.25-inch two-way coaxial system with small-format compression driver
- 125 watts continuous, 500 watts peak power handling at 8 ohms
- 70.7 - 100 volt taps at 50 watts, 25 watts and 12.5 watts
- Coaxial design provides point-source imaging for smooth sound quality
- 90-degree conical coverage pattern - perfect for use at short and medium-range distances
- Steel U-Bracket included
- Robust multi-layer birch plywood enclosure with PowerCoat™ finish - available in black or white

OPA-8-NP

The On Point Audio OPA-8-NP is an ultra-miniature sized, high-performance 8-inch (203 mm) two-way loudspeaker system featuring an 8-inch woofer and a coaxially-mounted-1.35-inch titanium compression driver. The OPA-8-NP features a 90-degree conical coverage pattern making it perfect for near field and medium-range applications.

The OPA-8-NP delivers excellent fidelity with superior vocal reproduction and intelligibility. The OPA-8-NP's small size, high output capability, sturdy construction and mounting flexibility make it a unique audio problem-solver.

Available in black and white.

System Configuration:	8-inch two-way coaxial
Frequency Response +/- 3 dB:	80 - 16,000 Hz
Power Handling (Continuous / Peak):	150 watts / 1,600 watts
Sensitivity (1 W / 1 M):	91 dB
Calculated Output (Continuous / Peak):	113 dB / 119 dB
Coverage Pattern (H x V):	90° conical
Input Impedance:	8 ohms
Dimensions, (H x W x D) mm:	242.5 x 183 x 208 mm
Dimensions, (H x W x D) in:	9.54 x 7.2 x 8.2 in
Net Weight:	6.8 kg / 15 lb



FEATURES AND BENEFITS

- 8-inch two-way coaxial system with small-format titanium compression driver and Narrow-Profile™ woofer
- 150 watts continuous, 500 watts peak power handling @ 8 ohms
- 90-degree conical coverage - perfect for short and medium distance coverage
- Only 183 mm / 7.2 inches wide - the smallest 8-inch two-way professional system
- Optimized for high intelligibility and vocal articulation
- Robust multi-layer birch plywood enclosure with PowerCoat™ finish - available in black or white

HARDWARE

- OPA-8-NP-U (available in black or white);
- EBKM8-W eyebolt rigging

OPA-28-NP

The OPA-28 NP is an ultra-miniature sized, dual 8-inch two-way vertical array system featuring a 1.35-inch coaxially-mounted compression driver. The OPA-28 NP has excellent sensitivity and 400 watts continuous, 1,600 watt peak power handling that can cover large areas from a shoebox-sized enclosure. Its small size, only 183 mm / 7.2 in wide, is made possible by On Point Audio's unique Narrow-Profile™ woofer technology and coaxial design. The OPA-28 NP's applications include distributed audio, front / side fills, under balconies and combined with subwoofers for live sound.

Available in black and white.

System Type:	Ultra-compact dual 8-inch two-way
Frequency Range (-10 dB):	80 Hz - 20,000 Hz
Frequency Response (-3 dB):	85 Hz - 20,000 Hz
Power Rating (Peak / Continuous):	1,600 / 400 watts
Coverage Pattern (H x V):	80° conical
Nominal Impedance:	4 ohms
Full-Space System Sensitivity:	95 dB
Rated Max SPL (Peak / Continuous):	127 dB / 121 dB
LF Driver:	NP8F 8 inch
LF / HF Driver:	NP8-CX w/ 1.35-inch titanium
Dimensions (H x W x D) inches/mm:	18.4 x 7.3 x 8.1 in / 750 x 373 x 635 mm
Enclosure Material:	Marine-Grade Birch plywood
Suspension / Mounting:	14 x M8
Net Weight:	24 lb / 11 kg



FEATURES AND BENEFITS

- Dual 8-inch two-way coaxial system with small-format titanium compression driver and NarrowProfile™ woofers
- 400 watts continuous, 1,600 watts peak power handling @ 4 ohms
- 80-degree conical coverage
- Only 183 mm / 7.2 inches wide - the smallest dual 8-inch two-way professional system
- Optimized for high intelligibility and vocal articulation
- High output-to-size ratio with impressive projection capability
- Robust, multi-layer birch plywood enclosure with PowerCoat™ finish - available in black or white

HARDWARE

- OPA-28-NP-U; EBKM8-W

OPA-12

The OPA-12 is a 12-inch (305 mm) two-way system featuring large-format components designed and built by On Point Audio. The OPA-12 has a rotatable High-Q 60 x 40 “horn with holes” that provides impressive projection, superb pattern control and a “bigger than the box” sound quality. For applications that need wider coverage, a rotatable 90 x 40 degree horn is available with order. The sound of the OPA-12 is extraordinarily smooth and its wide bandwidth response and intelligibility invites comparison to the most expensive 12-inch systems available. Its enclosure adds to its flexibility with multiple M10 suspension points that permit it to be flown horizontally or vertically.

Available in black and white.

System Configuration:	12-inch two-way
Frequency Response +/- 3 dB:	65 - 16,000 Hz
Power Handling (Cont. / Peak):	600 watts / 2,400 watts
Sensitivity (1 W / 1 M):	95 dB
Calculated Output (Cont. / Peak):	122.7 dB / 128.7 dB
Coverage Pattern (H x V):	60° x 40° Rotatable 90° x 40° Rotatable (optional)
Nominal Impedance:	8 ohms
System Components:	FW-120 12" ferrite woofer TD-325 large format titanium driver CD-60/40 and CD-90/40
Suspension / Mounting:	Multiple M10
Dimensions (H x W x D), mm:	722 x 355 x 376 mm
Dimensions, (H x W x D), in:	28.4 x 14 x 14.8 in
Net Weight (kg / lb):	30 kg / 66 lb



FEATURES AND BENEFITS

- Premium 12-inch two-way system with large format components
- 600 watts continuous, 2,400 watts peak power handling
- Rotatable 60 x 40 degree horn installed; rotatable wide-throw (90 x 40 degree) horn available with order
- Wide 65 - 16,000 Hz + / - 3 dB frequency response
- Superior time domain performance provides high fidelity music reproduction
- High performance / price ratio
- 13-ply marine birch plywood enclosure with tough, attractive PowerCoat™ finish
- Multiple M10 suspension points for installation flexibility

OPA-15-YNP

The OPA-15-YNP is a compact, high-performance 15-inch two-way system that's about the same size as many 12-inch systems - only 373 mm / 14.7 inches wide. Its small size, made possible by On Point Audio's Narrow-Profile™ driver design, doesn't compromise performance. Its 15-inch woofer equipped with a 4-inch voice coil delivers smooth, solid lows. Its compression driver delivers maximum vocal intelligibility and superb definition. The wide-dispersion, 90 x 75 degree rotatable horn and multiple M10 suspension points permit the enclosure to be suspended horizontally or vertically. The OPA-15-YNP's rugged 13-ply birch plywood enclosure is covered in attractive, wear resistant PowerCoat™ finish and is also equipped with a pole mount socket for installation and use flexibility.

System Configuration:	Compact 15-inch two-way
Frequency Response +/- 3 dB:	65 - 16,000 Hz
Power Handling (Cont. / Peak):	800 watts / 3,200 watts
Sensitivity (1 W / 1 M):	96 dB
Calculated Output (Cont. / Peak):	125 dB / 131 dB
Coverage Pattern (H x V):	90° x 75° Rotatable
Nominal Impedance:	8 ohms
Suspension / Mounting:	Multiple M10
Dimensions (H x W x D), mm:	645 x 373 x 375 mm
Dimensions, (H x W x D), in:	25.3 x 14.7 x 14.8 in
Net Weight (kg / lb):	26 kg / 57 lb



FEATURES AND BENEFITS

- Compact 15-inch two-way system with premium components
- 800 watts continuous, 3,200 watts peak power handling
- Rotatable 90 x 75 degree wide dispersion HF horn
- Only 14.7 in / 373 wide thanks to 15-inch Narrow-Profile™ woofer with 4-inch voice coil
- Wide 65 - 16,000 Hz + / - 3 dB frequency response
- Superior time domain performance provides high fidelity music reproduction
- High performance / price ratio
- 13-ply marine birch plywood enclosure with tough, attractive PowerCoat™ finish
- Multiple M10 suspension points for installation flexibility

HARDWARE

- EBKM10 – eyebolt rigging kit; OPA-15YNP-U – U-Bracket

OPA-181SP

On Point Audio's OPA-181SP is a high output, high performance 18-inch subwoofer that delivers the perfect combination of deep bass response, high output capability and installation flexibility. The OPA-181SP is equipped with a high performance 18-inch woofer with a large-format 4-inch (101 mm) voice coil built by On Point Audio. The OPA-181SP provides 800 watts continuous, 3,200 watts peak power handling and delivers 127 dB continuous, 133 dB peak output and has usable low-end response to 30 Hz. The enclosure is made of 13-ply birch plywood, finished in On Point Audio's rugged PowerCoat™ finish and is equipped with heavily reinforced M10 suspension points. The OPA-181SP is more compact than typical 18-inch subwoofers, enabling it to be less conspicuous when installed, whether ground-stacked or flown.

System Configuration:	18-inch subwoofer
Frequency Response +/- 3 dB:	35 - 80 Hz
Power Handling (Cont. / Peak):	800 watts / 3,200 watts
Sensitivity (1 W / 1 M):	98 dB
Calculated Output (Cont. / Peak):	127 dB / 133 dB
Coverage Pattern (H x V):	Essentially omnidirectional
Nominal Impedance:	8 ohms
Suspension / Mounting:	Multiple M10
Dimensions (H x W x D), mm:	788.1 x 528.1 x 528.1 mm
Dimensions, (H x W x D), in:	31 x 20.79 x 20.79 in
Net Weight (kg / lb):	42.2 kg / 93.5 lb



FEATURES AND BENEFITS

- 18-inch subwoofer equipped with large-format, 4-inch (101 mm) voice coil
- 800 watts continuous, 3,200 watts peak power handling
- 35 - 150 Hz +/- 3 dB frequency response provides true low bass response
- Compact sized 13-ply marine birch plywood enclosure with PowerCoat™ finish
- 16 x reinforced M10 suspension points for installation flexibility
- 4-position barrier strip input

HARDWARE

- EBKM10 – eyebolt rigging kit

OPALINE

On Point Audio's OPALine is a single-box, six-element vertical line array system designed for permanent installation and live sound reinforcement applications. OPALine combines 4 x 8-inch woofers, two medium-format compression drivers and two isophasic line array waveguides to provide a wide 90-degree horizontal coverage and precise 40-degree vertical coverage. OPALine's coverage is wide, but is well controlled enough to avoid bouncing sound from adjacent walls and to keep vocals off the floor thereby improving intelligibility and definition. The OPALine can be used as a full-range speaker (80 - 20,000 Hz +/- 3 dB) or combined with the OPALine Sub to create a powered, three-way full-range system.

System Configuration:	6-element vertical line array
Frequency Response +/- 3 dB:	80 - 20,000 Hz
Power Handling (Cont. / Peak):	800 watts / 3,200 watts
Sensitivity (1 W / 1 M):	95 dB
Calculated Output (Cont. / Peak):	124 dB / 130 dB
Coverage Pattern (H x V):	Essentially omnidirectional
Nominal Impedance:	4 ohms
Suspension / Mounting:	Multiple M10
Dimensions (H x W x D), mm:	1,125 x 203 x 348 mm
Dimensions, (H x W x D), in:	44.3 x 8 x 13.7 in
Net Weight (kg / lb):	39 kg / 86 lb

FEATURES AND BENEFITS

- 6-element vertical line array system with pattern control to < 800 Hz
- 800 watts continuous, 3,200 watts peak power handling
- 4 x 8-inch Narrow-Profile™ woofers
- 2 x medium-format HF drivers with isophasic waveguides
- 13-ply marine birch plywood enclosure with PowerCoat™ finish
- Multiple M10 suspension points for installation flexibility
- Dual 35 mm pole mount sockets for safe, solid ground-stacking with OPALine Sub

HARDWARE

- EBKM10 – eyebolt rigging kit
- OPA-PTB – pan / tilt wall bracket
- OPA-PICK – handle / pole socket cover kit



OPALINE SUB

The OPALine Sub is a powered 18-inch subwoofer with DSP and two onboard amplifiers - one that powers itself and one to power the OPALine or other passive speakers. The OPALine Sub has an 18-inch woofer with a 4-inch voice coil that provides solid low end to 30 Hz. Its second amplifier is high-passed at 120 Hz that prevents small-diameter drivers from over-excursion. The OPALine Sub is tuned to precisely match the OPALine vertical array system. It is equipped with dual pole mount sockets and includes two poles to create a high-performance, powered ground-stacked line array system that provides exceptional intelligibility as well as solid, deep bass. For house of worship, theater and live sound venues, the OPALine Sub provides system power and high output bass in a compact package.

System Configuration:	Dual-Channel powered, DSP controlled 18-inch subwoofer with vented enclosure
Frequency Range:	Sub Output: 30 – 120 Hz
Power Output:	LF: 500 watts / 1,000 watts peak HF: 500 watts / 1,000 watts peak
Input Sensitivity:	0.774 V
Calculated Output (Cont. / Peak):	123 dB / 126 dB
Coverage Pattern (H x V):	Essentially omnidirectional
Inputs:	Balanced 3-pin XLR-type
Outputs:	1 x Neutrik NL-4 (high-passed) Balanced 3-pin XLR-type (signal thru)
Dimensions (H x W x D), mm:	545 x 500 x 707.5 mm
Dimensions, (H x W x D), in:	21.46 x 19.7 x 27.9 in
Net Weight (kg / lb):	35.5 kg / 78.3 lb



FEATURES AND BENEFITS

- Powered 18-inch subwoofer system with two amplifiers and DSP - one for the sub and the other to power full-range speakers
- European designed amplifier with 500 watts continuous LF and 500 watts continuous HF (1,000 watts peak LF and 1,000 watts peak HF output)
- 18-inch On Point Audio woofer with large-format 4-inch voice coil
- Two M20-sized screw-on poles and mounts for elevating OPALine array for ground-stacked applications (poles shipped with OPALine Sub)
- 13-ply marine birch plywood enclosure with PowerCoat™ finish

HARDWARE

- OPA-SCK – caster kit; OPA-PICK – handle / pole socket cover kit

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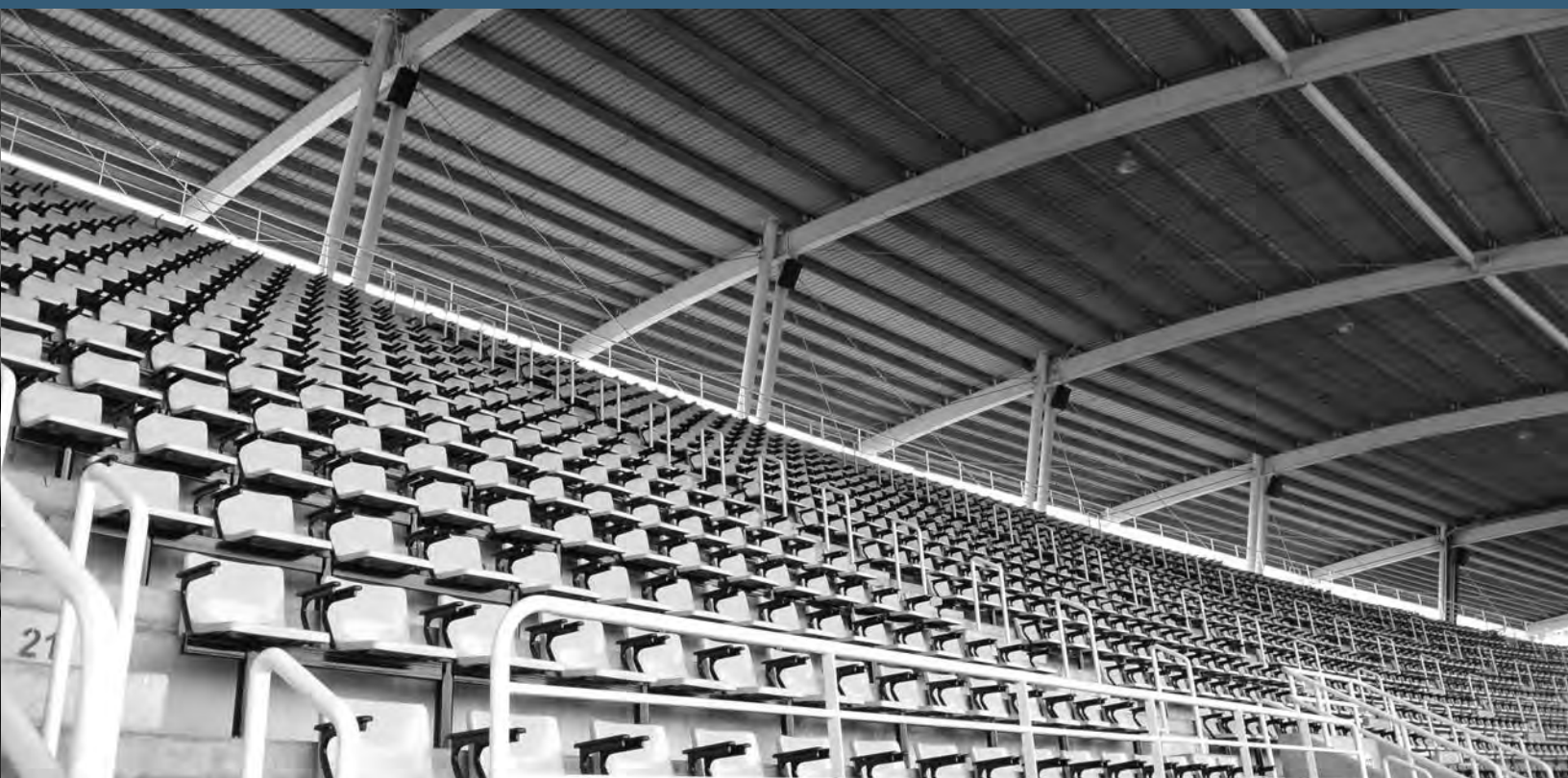
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