

PRODUCT CATALOG

Subs & Tops

BASSBOSS

PRODUCT CATALOG

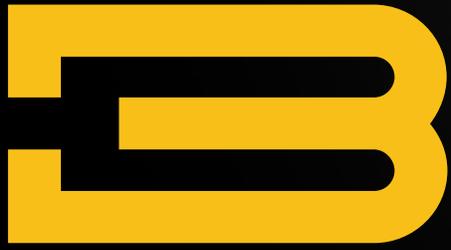
Table of Contents

Subs

Kraken	3
ZV28-MKII	7
SSP218	11
SSP215	15
VS21	19
SSP118-MKII	23
DJ18S	27
BB15	31

Tops

MFLA	35
AT312	39
AT212-3K	43
DV12-MKII	47
SV9	51
DiaMon 112	55



Specs Sheet

KRAKEN | Quad 21"
Powered Subwoofer

KRAKEN

Quad 21" Powered Subwoofer

Intense BASS to 25Hz ○

Extreme Output SPL ○

Tiny Footprint vs Output Ratio ○

8000W RMS Class D Amp ○

Description:

The Kraken embrace is both crushing and inescapable, and you'll love every minute of it!

The most extreme bass output we can pack into the smallest footprint. The Kraken offers the highest SPL on the market from a cabinet of its size, bar none. The output of 4-5 BASSBOSS double 18" subs has been packed into a cabinet roughly the size of just two.

The Kraken embrace is a monstrously beautiful thing. Capable of almost brutal force, it hits so good. Just like the VS21 Single 21" Powered Subwoofer, excellent transient response is delivered by the efficient performance of short horns at the upper end of the subwoofer range. The extended depth is delivered by the large, vented volume, long excursion drivers, and prodigious power.

The Kraken is a vented, short-horn, quad 21" bandpass subwoofer. The four drivers are loaded into a large acoustical volume that is tuned to a low frequency, and each is front-loaded onto a short horn. The vented enclosure section provides extended deep bass performance and the horn section provides increased upper frequency sensitivity and improved transient response.

BASSBOSS products are hand-assembled. They are meticulously constructed from 18mm Baltic Birch plywood, using dado joints, screws, extensive bracing and advanced composite adhesives.

The enclosures feature UHMW Polyethylene sliders on all four sides, with corresponding recesses in the opposite sides to facilitate interlocking the boxes when stacked. The included transport carts also feature recesses which the feet lock into for secure transporting.

8000W RMS of amplification and comprehensive DSP is included. The amplifier is rated for RMS output using continuous sine wave signal. This is not a "peak" or "burst" power rating because your sub won't be used in millisecond bursts. For subwoofer applications, peak and burst power ratings are largely irrelevant.

The amplifiers are capable of delivering 8000W of continuous output. This ensures the amps aren't the limiting factor in the output of low frequencies. Providing abundant power prevents overheating issues and virtually eliminates the damage that clipping a too-small amp can cause.

For larger events, several arraying options are available. Block arrays, side-by-side arrays and front/back Cardioid arrays can be deployed securely thanks to the interlocking feet. Presets are included in the DSP.

The Quad 21" Kraken Powered Subwoofer is designed for large scale festival touring systems; high-intensity nightclubs; art cars/carnival floats; and most importantly, BASS junkies who need the most body + face melting bass they can get.

KRAKEN | SPECIFICATIONS

Quad 21" Powered Subwoofer

Acoustical

Loudspeaker Description:	High-output Quad-21 inch Subwoofer
Frequency Response (± 3 dB):	25 – 90 Hz
Maximum Sustained Output:	145 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*	148 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification:	8000 Watt Continuous RMS Class D Subwoofer-Optimized
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment, cardioid processing and limiting
Electrical Connectors, Amp:	2 X Neutrik powerCON Input (Blue) NAC3FCA
Electrical Connector, Mains:	2 x Standard US 3-pin 120V electrical plug: NEMA 5-15 (Edison)
Voltage Operating Range:	90-132VAC, 55-65Hz
Current Draw, Nominal:	8A (2 x 4A) @ 120 volts (typical, 1/8 max power)
Current Draw, Peak:	40A (x2)
Current Draw, Continuous:	Limited to 16.5A after 1 second (x2)
Signal Input Connectors:	XLR-F
Signal Output Connectors:	XLR-M pass-through only

Physical

Enclosure Type:	Vented, short horn hybrid
Transducer:	4 x 21 inch diameter (540 mm) neodymium motor woofer with 58 mm (2.28") peak to peak excursion. Waterproof fiber composite cone
Cabinet Construction:	18mm Baltic Birch plywood, dado joints, stainless steel hardware
Dimensions (HxWxD):	48" x 48" x 36" (121.92 cm x 121.92 cm x 91.44 cm) - 49" (124.46 cm) high with feet
Net Weight:	460 lbs. (209 kg)
Shipping Weight:	550 lbs. (249 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Feet:	UHMWPE strips x 8, 2 on e each of 4 sides
Handles:	20 x Steel bar handles

Optional

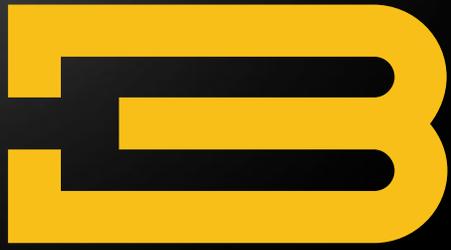
Flying Hardware:	Rigging system included with Kraken Global version
Suspension System:	Support Frame for multiple boxes
Amp for Installation:	Complete power package including DSP in two space rack chassis for permanent installations
Installation Version:	Available without handles and pole sockets
Transport Dollies:	Included – Dolly cart with 4 locking casters and recesses to accept interlocking cabinet sliders. Constructed of Birch Plywood. 1400lb max capacity. 49"x36"x6")
Online Information:	bassboss.com/kraken

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

KRAKEN

Quad 21" Powered Subwoofer





Specs Sheet

ZV28-MKII | Dual 18"
Powered Subwoofer

ZV28-MKII

Dual 18" Powered Subwoofer

Groundbreaking Performance

Ultra-Low Notes: -3dB at 21Hz (Pair)

Super-High Continuous Output

Deepest High-Output Sub for its Size

Description:

The BASSBOSS ZV28-MKII Subwoofer delivers bass so low as to be at the very limits of human hearing. Notes that are simply not present with other subwoofers are fully realized by the ZV28-MKII, and frequencies that stress lesser subs are reproduced effortlessly and powerfully. The ZV28-MKII must be felt as well as heard to be truly appreciated.

Improved performance of MKII:

- Even More Deep Bass
- Increased SPL at very low frequencies
- Decreased distortion at very low frequencies
- Stiffer construction – more bracing
- Stronger grill for improved protection.
- Bold new look!

For super-low modern bass music, just two cabinets will produce exceptional levels of extraordinarily deep bass. The ZV28-MKII is designed to deliver an intensely physical experience for the audience. No other manufacturer produces a sub as powerful and low as the ZV28-MKII at a similar price point and physical size.

The ZV28-MKII was independently measured at Ultra Music Fest 2013 to achieve flat frequency response to 21Hz (-3 dB) at audience distance. A sub system of only sixteen ZV28-MKII Subs and eight Z5/D Subwoofers was used to create a legendary gig for close to 10,000 screaming fans. The ZV28-MKII utilizes extreme efficiency to supply ultra-high performance with very few subs.

Includes a 4000W amplifier with integrated, comprehensive DSP. The ZV28-MKII's are vented, direct radiating subwoofers with a large internal volume and a very low tuned frequency. Anti-standing wave baffles and pass-through dampers minimize upper resonances while very large ports maximize low frequency performance at high output. Protection systems and limiters control all manners of overload, including thermal, excursion and clipping.

The ZV28-MKII is optimized for full-power operation. It is designed to operate at full rated RMS power throughout its operating range while ensuring the woofers remain within their excursion and thermal limits. The ZV28-MKII delivers consistently flat frequency response, and a pair delivers response that is -3dB at 21 Hz. No equalization is required to achieve this response and it is available at high levels in real-world applications, continuously. The ZV28-MKII's sensitivity is achieved and maintained through careful optimization, the use of premium components and innovative, proprietary thermal management techniques. Thanks to the deep-bass sensitivity, the robust components and the prodigious power, massive low end is delivered on demand.

The ZV28-MKII is not a paper tiger. Other subwoofers can be made to look similar on paper, but come up short in the field. Beware of loudspeaker systems that require processing to achieve their claimed frequency response. Those systems are still subject to the excursion and thermal limits of their drivers. Boosting low frequency EQ to achieve extended low-frequency response on specification charts isn't the way to deliver superior results at maximum power. In fact, boosting low frequency EQ is likely to result in excessive distortion or woofer damage at full power. Under those circumstances the system cannot be utilized at full power. If limiting is applied to avert such failure, that limiting prevents the realization of the claimed frequency response at full power.

The ZV28-MKII's woofer cones are waterproofed. The cabinets are safe to use outdoors where they may encounter rain, in nightclubs where drinks may be spilled on them, or in dusty environments that may leave the drivers needing a thorough cleaning.

A two-year no-fault warranty is offered on the subwoofer drivers above and beyond the standard warranty. We are able to offer this extraordinary coverage due to the ZV28-MKII's (and all BASSBOSS subs) innovative design and engineering which utilizes the best of current technology to virtually eliminate blown drivers.

Engineered to work hard and continue to work where others fail. With the peace of mind afforded by plentiful, clean, undistorted output and comprehensive protection systems, you can confidently push the ZV28-MKII to levels and depths that would require more or bigger cabinets from other manufacturers.

ZV28-MKII Dual 18" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Extended Low-Frequency Dual 18" Powered Subwoofer
Frequency Response (± 3 dB):	24 – 90 Hz
Frequency Response, Pair (± 3 dB):	21 – 90 Hz
Maximum Sustained Output:	134 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*	142 dB
Nominal Dispersion (H° x V°):	360 x 360 – Cardioid mode available with multiple boxes

Electrical

Amplification:	4000 Watt Continuous RMS Class D Subwoofer Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connectors, Amplifier:	Neutrik powerCON input (Blue) NAC3FCA, Neutrik powerCON through (Grey) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug; NEMA 5-15 (Edison), Optional electrical plugs available, including L5-30 and others, upon request.
Voltage Operating Range:	90-132VAC, 55-65Hz
Current Draw, Nominal:	564 W, 4.7A @ 120 Volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)

Physical

Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for extremely low frequency response and excellent electrical conversion efficiency
Transducer:	2 x 18" diameter (457 mm) neodymium motor woofer with 4.5" (115 mm) copper winding voice coil and 56 mm (2.2") peak to peak excursion, waterproof fiber composite cone
Cabinet Construction:	18 mm Baltic Birch plywood, extensively braced. Equipped with 16 flypoints, 8 steel handles, 2 pole sockets, 4 large rubber feet, and 4 interlocking foot pockets
Dimensions (HxWxD):	22.5" x 42" x 42" (57.15 cm x 106.68 cm x 106.68 cm) - 23.25" (59.05 cm) high with feet
Net Weight:	225 lbs (102 kg)
Shipping Weight:	240 lbs (109 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Pole Sockets:	2 (35 mm)
Handles:	8 Steel Handles

Optional

Flying Hardware:	Side-pull anchors and/or shoulder eye-bolts
Suspension System:	16 x 3/8"-16tpi threaded flypoints
Amplification for Installation:	Complete power package including DSP in two space rack chassis for permanent installations
Installation Version:	Available without handles and pole sockets
Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet for transporting 1 to 3 cabinets
Covers:	Heavy-duty padded nylon transport covers for 1 or 2 cabinets
Online Information:	bassboss.com/zv28

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

ZV28-MKII

Dual 18" Powered Subwoofer



B



Specs Sheet

SSP218 | Dual 18"
Powered Subwoofer

SSP218

Dual 18" Powered Subwoofer

Extended Deep Bass

Super-High Continuous Output

Exceptional Sound Quality

Unbeatable Reliability

Description:

Our original powered, double 18" subwoofer design is a combination of sensitivity, depth, power handling, fidelity and value. The SSP218 offers the most cost-effective solution for those who need big bass, providing huge low end for the price.

Delivering massive output at and above 30Hz, reliably, consistently and with great fidelity. Modern electronic, jazz, reggae, pop and R&B music emphasize bass and put tremendous demands on low frequency loudspeakers. The SSP218 delivers the energy and power of modern music and it is built to take the stress of doing so continuously, to the extremes, without fail.

Incorporating innovative new technologies into rigidly braced, large vented boxes that are optimized for maximum output and reliability. The SSP218 sustains its output long-term and is practically impossible to blow thanks to the combination of extremely rugged, very high power handling, long excursion drivers, carefully optimized cabinet and port design and several effective but transparent protection systems. The protection systems effectively prevent thermal overload of the voice coils and minimize long-term thermal compression while having virtually no effect on the transient response and peak output of the loudspeaker.

Very high output, low frequency sound with extremely low distortion. The SSP218 system is optimized for full-power operation and is designed to operate at full rated RMS power throughout its operating range while the woofers remain within their X-max specification.

Versatile and durable, the cabinet is finished in black textured weatherproof polyurethane coating. A top-mounted pole socket in each SSP218 provides for mid-high loudspeakers to be mounted on a straight speaker pole above the subwoofer. The enclosures also feature four large rubber feet and corresponding recesses in their tops to facilitate interlocking the boxes when stacked. The woofers' cones are made from a waterproof fiber matrix.

Extremely flat, delivering response that is $\pm 1.5\text{dB}$ from 32Hz to 100Hz. No equalization is required to achieve this response. Unlike designs that require equalization, the SSP218's tone, response and sensitivity are native to the design. Systems that require processing to achieve their stated response are still subject to the physical excursion and thermal limits of their drivers. Boosting low frequency EQ to achieve extended low-frequency response results in excessive distortion or woofer damage at full power unless limiting is applied. The limiting necessary to prevent failure also prevents the realization of their claimed frequency response at full power.

Engineered to work hard and continue to work where others fail. The BASSBOSS warranty provides 6 years of coverage against defects in materials and workmanship. The warranty DOES cover failed drivers, including burned voice coils, for 2 years from the date of purchase. If a voice coil, or anything else, fails within the warranty period, replacement parts will be provided without charge. (See warranty documentation for complete details). With the peace of mind afforded by plentiful, clean, undistorted output and comprehensive protection systems, you can confidently push the SSP218 Subwoofer to levels and depths that would otherwise require more or bigger cabinets.

Ideally suited for use as a professional touring subwoofer, its truck-pack dimensions are compatible with 90" and 96" truck widths and up to four boxes can be stacked and transported on a single dolly cart. This allows 16 subwoofers and their 64,000 watts of amplification to be transported in as little as 5' of 96" wide truck space or 12 boxes and 48,000 Watts in 4' of 90" truck space. On their custom-fit wheel carts with locking casters, stacks of 2 or 3 SSP218s can be rolled into place and used without the need to remove them from their carts. For added flexibility, the SSP218s can be stacked on their carts facing forwards or in cardioid configuration.

SSP218 Dual 18" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	High-Output Dual 18" Subwoofer
Frequency Response (±3 dB):	30-100Hz
Maximum Sustained Output:	135 dB SPL, 1m, 2pi, (half-space)
Max SPL (Peak)*	141 dB
Nominal Dispersion (°H x °V):	360 x 360 - Cardioid Mode Available with Multiple Boxes

Electrical

Amplification:	4000 Watt Continuous RMS Class D Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connector, Amplifier:	Neutrik PowerCON input (Blue) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15 (Edison) Optional electrical plugs available, including L5-30 and others, upon request.
Voltage Operating Range:	90-130V
Current Draw, Nominal:	4.6A @ 120 volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M full-range pass-through

Physical

Enclosure Type:	Direct radiating vented enclosure, optimally tuned for extended low frequency response with high sensitivity and high power handling
Transducers:	Two 18" (457 mm) neodymium motor woofers with 4" (100mm) copper winding voice coils
Cabinet Construction:	18mm Baltic Birch plywood, extensively braced. Equipped with 4 handles and interlocking rubber feet
Dimensions (HxWxD):	22.5" x 48" x 29.5" (57.15 cm x 121.92 cm x 74.93 cm) - 23.25" (59.05 cm) high with feet
Net Weight:	199 lbs. (90 kg)
Shipping Weight:	230 lbs. (104 kg)
Exterior Finish:	Weatherproof bonded high-pressure polyurethane
Grill:	Perforated, powder-coated steel

Optional

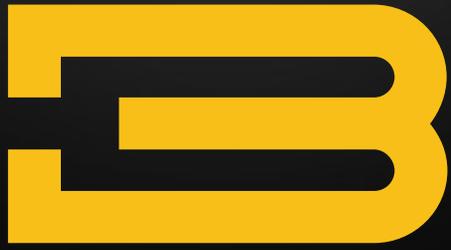
Suspension System:	16 X 3/8-16 Threaded Flypoints
Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet for transporting 1 to 3 cabinets
Covers:	Heavy-duty padded nylon transport covers for 1 to 3 cabinets
Online Information:	bassboss.com/ssp218

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

SSP218

Dual 18" Powered Subwoofer





Specs Sheet



SSP215-MKII | Dual 15"
Powered Subwoofer

SSP215-MKII

Dual 15" Powered Subwoofer

Goldilocks Combination of Depth, Articulation, and Size

Stealth subs - Tucks up into ceilings

Output Matches or Beats Most Double 18s

Fits under 2-foot Stages with room for structure

Description:

The BASSBOSS SSP215-MKII Low-Profile Subwoofer delivers output to frequencies lower than many double 18" cabinets, and it does so using 25% less space than the SSP218. It's tuned low, for use as a proper subwoofer, with long-excursion, low distortion woofers, to deliver deep and rolling lows. It also has a tight, punchy and articulate character because of the lower mass of the 15" cones.

Ideal for the professional who needs significant bass output but has limited space. The SSP215-MKII will comfortably take the place of common double 18" boxes without giving up output or low frequency extension to bigger boxes. The SSP215-MKII can fit under low stages, be flown in low ceilings and can be tucked in corners or between furniture where larger boxes would not fit. It's 29.5" deep, making it a perfect truck-pack size, especially considering up to 6 cabinets can be transported on a single rolling cart. Its largest dimension is 48", so when stood up it can serve as a stack platform for getting the top boxes up above the audiences' heads, just like a double-18".

The smallest frontal dimension is only 17.5", allowing lots of placement options. For venues, the low-profile box can fit under stages that are too low to accommodate a double-18" subwoofer, and yet it can easily power packed dance floors with deep and punchy bass. For portable systems, the SSP215-MKII can be placed in front of stages, serve as a monitor platform, as an extension of a stage or even placed under a table. It's size and shape make it remarkably easy to disguise in places where subwoofers need to be heard and not seen.

Providing massive output at and above 35Hz, reliably, consistently and with great fidelity. 15" woofers are often preferred for their articulation and impact. The SSP215-MKII puts tremendous power and deep tuning behind 15" cones to provide the best combination of tight punch and extended depth from a compact cabinet. The result is a 15" based subwoofer with the versatility required to translate the power of dance tracks, modern country, blues, rock, R&B and hip-hop with amazing presence and heavyweight power.

The SSP215-MKII is powered by a 4000W RMS amplifier. This is a continuous rating, not a peak or burst rating. The amplifier is equipped with a comprehensive digital signal processor that eliminates the need for outboard processing. It provides high-pass, low-pass and limiting functions as well as integrating the alignment with all other BASSBOSS subs and tops. The DSP also features a Cardioid setting for when multiple cabinets are deployed. The amplifier is recessed into the back of the cabinet at sufficient depth to ensure adequate cooling and to protect the connectors when the cabinet is placed against a wall. The recess also protects the amp from most spills and even light rain.

Ruggedly Reliable. Each 15" woofer has a 4" voice coil and a power handling rating of 1500W RMS and 3000W program. The combination of extremely rugged, very high power handling, long excursion drivers, carefully optimized cabinet and port design and several effective but transparent protection systems allow this double 15" subwoofer to provide output levels and depths that compete with bigger, bulkier and far less articulate double 18" subwoofers. The protection systems effectively prevent thermal overload of the voice coils and minimize long-term thermal compression whilst having virtually no effect on the transient response and peak output of the loudspeakers.

Versatile and Durable. Finished in extremely tough black textured weatherproof polyurea coating, with a top-mounted pole socket, the SSP215-MKII provides for mid-high loudspeakers to be mounted on a straight speaker pole above the subwoofer. The enclosures also feature four large rubber feet and corresponding recesses in their tops to facilitate interlocking the boxes with each other and with the SSP218s when stacked. The feet also interlock with the transport carts, which help to ensure that the cabinets get into and out of venues safely and unscathed. The woofers' cones are made from a waterproof fiber matrix and are protected by a powder-coated, perforated steel grille.

Engineered to work hard and continue to work where others fail. The BASSBOSS warranty provides 6 years of coverage against defects in materials and workmanship. The warranty DOES cover failed drivers, including burned voice coils, for 2 years from the date of purchase, provided outboard processing isn't used. If a voice coil, or anything else, fails within the warranty period, replacement parts will be provided without charge. (See warranty documentation for complete details.)

SSP215-MKII

Dual 15" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Double 15" Subwoofer
Frequency Response (±3 dB):	35-100Hz
Maximum Sustained Output:	129 dB SPL, 1m, 2pi, half-space, (ground stacked)
Max SPL (Peak)*:	135 dB
Nominal Dispersion (°H x °V):	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification:	4000 Watt Continuous RMS Class D Amplifier
Processing:	Integrated Comprehensive DSP for HP, LP and Limiting
Electrical Connectors:	Neutrik Powercon NAC3FCA to NAC3MPA and pass-through to NAC3MPB
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15 aka "Edison" (Optional electrical plugs available, including L5-30 and others, on request.)
Voltage Operating Range:	90-130V (see options for 240V operation)
Current Draw, Nominal:	4.5A @ 120 volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

Physical

Enclosure Construction:	18mm Baltic Birch with rabbet and dado joints throughout. Extensively braced, including integrated pocket handles
Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for low frequency response with high sensitivity and high power handling
Transducers:	2 x 15 " dia (380 mm) neodymium motor woofer with 4" (100mm) copper winding voice coil and 46mm peak to peak excursion. Waterproof fiber composite cone
Dimensions (HxWxD):	17.25" x 48" x 29.5"
Net Weight:	180 lbs
Shipping Weight:	230 lbs
Exterior Finish:	Weatherproof bonded high-pressure polyurea
Grill:	Perforated, powder-coated steel
Suspension System:	16x M10 threaded fly points

Optional

Universal Mains Power:	90-250V auto-switching power supply
Dolly Cart:	Rolling cart with 4 locking casters
Covers:	Heavy-duty padded nylon transport covers for 1 to 5 cabinets
Online Information:	bassboss.com/ssp215

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

SSP215-MKII

Dual 18" Powered Subwoofer



EV



Specs Sheet

VS21 | 21" Powered Subwoofer

VS21 | 21" Powered Subwoofer

Punchy AND Full Deep Bass ○

Very High Output SPL ○

Versatile for Dance to Acoustic ○

2400W RMS Class D Amplifier ○

Description:

The design brief for the VS21 was to create a product that offered low-frequency extension similar to the BASSBOSS vented dual 18" subwoofers in combination with the hard-hitting punch of the BASSBOSS horn-loaded subwoofers. The VS21 brings the world of extended low frequency together with the world of high-impact. You're no longer forced to choose either deep OR punchy, the VS21 offers both.

The VS21 is particularly versatile, able to satisfy the demands of hard-hitting live kick drums to the deep, rolling bass of an 808. For those whose shows span a lot of genres, the VS21 has got them all covered. The same size and shape as the Cerwin Vega L-36, the VS21 will deliver considerably much more output and deep bass.

Description

Vented, short horn hybrid single 21" powered and processed subwoofer. Frequency response ± 3 dB from 25-90Hz. Maximum continuous sine wave output 132dB.

Features

The VS21 features a massive displacement, long excursion 21" woofer, rear-loaded into a large acoustical volume that is tuned to a low frequency, and front-loaded onto a short horn. The vented enclosure section provides extended low frequency performance and the horn section provides increased upper frequency sensitivity and improved transient response.

Benefits

These features bring the benefits of extended low frequency together with the benefits of high-impact. Excellent transient response is delivered by the efficient performance of the horn at the upper end of the subwoofer range. Extended depth is delivered by the large acoustical volume, low tuning and the massive displacement of the long-excursion 21" woofer. The combination provides an immediate hit with the added power of full and effortless low-end extension. The resulting impression is one of a very 'big' or 'heavy' hit.

Thanks to these attributes, the VS21 is extremely versatile, able to satisfy the demands of hard-hitting live kick drums as well as the deep, rolling bass of heavy synth tracks or an 808. The VS21 offers output SPL comparable to a bigger double-18" cabinet and allows more output to be focused forward thanks to its smaller frontal area.

Amplification and Processing

Powered by a 2400W RMS amplifier, the VS21 includes all the necessary electronics to allow it to be connected directly to your mixer with nothing but signal cable in between. The built-in processing is minimal and includes a low-pass filter that provides a broad, flat frequency response. There is no need for any EQ in the signal. In addition, a sophisticated limiter system protects the woofer from thermal and over-excursion damage, allowing the user to get maximum output from the loudspeaker for as long as necessary without concern about overdriving it.

Arrays

For larger events, several arraying options are facilitated. Block arrays, side-by-side arrays and front/back Cardioid arrays (presets available in DSP) can be deployed securely thanks to the interlocking feet.

VS21 21" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Subwoofer, single 21" powered and processed
Frequency Response (± 3 dB):	25 - 90 Hz
Maximum Sustained Output:	132 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*	139 dB
Nominal Dispersion (°H x °V):	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification:	2400 Watt Continuous RMS Class D Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connectors, Amp:	Neutrik Powercon input (blue) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15. (Edison)
Voltage Operating Range:	90-130V
Current Draw, Nominal:	3A @ 120 volts (typical, 1/8 max power)
Current Draw, Peak:	20A
Current Draw, Continuous:	Limited to 16.5A after 1 second
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

Physical

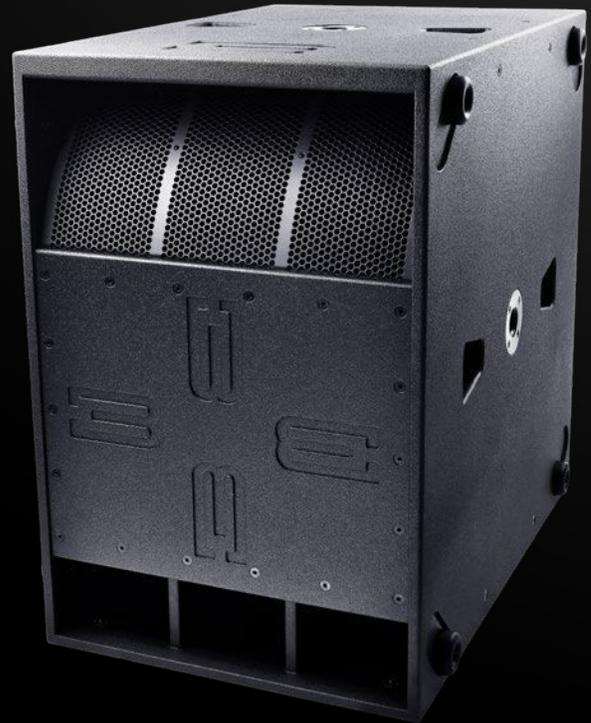
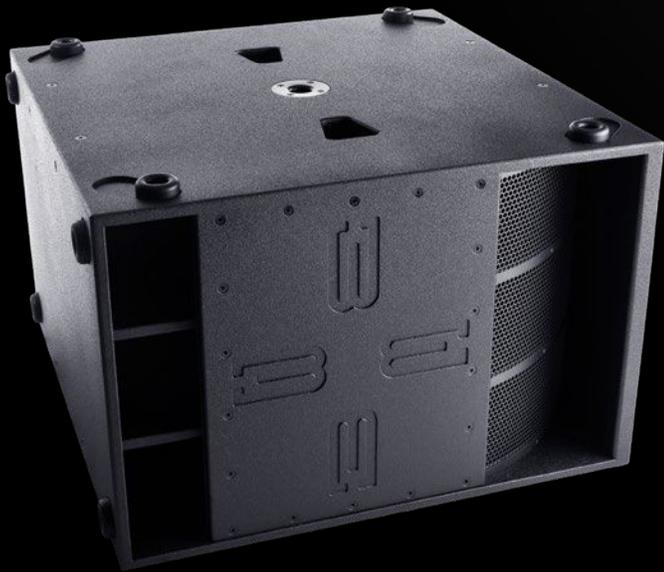
Enclosure Type:	Vented, short horn hybrid
Transducer:	One 21" diameter (540 mm) neodymium motor woofer. 58 mm (2.28") peak to peak excursion with waterproof fiber composite cone
Cabinet Construction:	18mm Baltic Birch plywood, dado joints, stainless steel hardware
Dimensions (HxWxD):	36" x 24" x 36" (91.44 cm x 60.96 cm x 91.44 cm) - 37.5" (95.25 cm) high with feet
Net Weight:	180 lbs. (82 kg)
Shipping Weight:	230 lbs. (104 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel

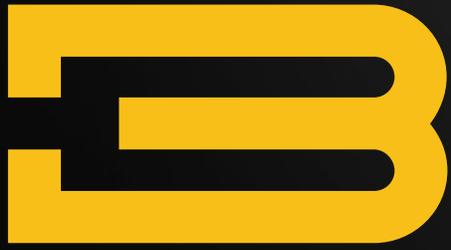
Optional

Suspension System:	16 X 3/8 -16tpi M10 Threaded Flypoints
Installation Version:	Available without handles and pole sockets
Amplification for Installation:	Complete power package including DSP in two space rack chassis
Cover:	Heavy-duty padded nylon transport covers for 1 or 2 cabinets
Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet for transporting 1 to 3 cabinets
Online Information:	bassboss.com/vs21

*Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.

VS21 | 21" Powered Subwoofer





Specs Sheet

SSP118-MKII | 18" Powered Subwoofer

SSP118-MKII

18" Powered Subwoofer

Solid, Flat Response Down To 30 Hz

Compact Size, Easy Transport

Quick Setup – Plug-and-Play

2400W RMS Class D Amplifier

Description:

The SSP118-MKII is a high-powered self-amplified single 18-inch subwoofer designed to give you the low frequency output of an average double 18" in a single 18" box. The SSP118-MKII features a single 18-inch subwoofer enclosure with a high-powered 2400 Watt Class-D amplifier.

Each SSP118-MKII Powered Subwoofer gives you low frequency output to 30 Hz, typical of an average double 18", from a single 18" box. Delivering output to frequencies lower than many double 18" cabinets, each individual SSP118-MKII enclosure does so with nearly half the space and considerably less weight. This is a very practical consideration from both a size and cost point of view.

For Mobile Professionals who provide superior sound quality, the SSP118-MKII allows you to deliver premium service with less equipment and labor. With two SSP118-MKII Subwoofers, you will have the output of one of the worlds finest double-18" subwoofers, the BASSBOSS SSP218, divided into two smaller, more manageable pieces.

Optimized for remarkably deep bass response from a cabinet of mobile size, SSP118-MKII Subwoofers are each loaded with a single 18" long-excursion, neodymium motor, low frequency driver. Each driver has a 4" voice coil and is rated for 1500W nominal power handling, 3000W program power handling. It is practically impossible to blow drivers on the SSP118-MKII, as with all BASSBOSS Subwoofers, due to the combination of extremely rugged, very high power handling, long excursion drivers, carefully optimized cabinet and port design and several effective but transparent protection systems. The protection systems prevent thermal overload of the voice coils and minimize long-term thermal compression while having virtually no effect on the transient response and peak output of the loudspeakers.

Extremely flat, delivering response that is $\pm 3.0\text{dB}$ from 30Hz to 100Hz. No equalization is required to achieve this response. Unlike designs that require equalization, the SSP118's tone, response and sensitivity are native to the design. Systems that require processing to achieve their stated response are still subject to the physical excursion and thermal limits of their drivers. Boosting low frequency EQ to achieve extended low-frequency response results in excessive distortion or woofer damage at full power unless limiting is applied. The limiting necessary to prevent failure also prevents the realization of their claimed frequency response at full power. The SSP118-MKII does not suffer from these limitations. It faithfully delivers the low bass where most others either roll off or die trying.

Finished in extremely durable black textured weatherproof polyurethane coating. A top mounted pole socket in each SSP118-MKII provides for mid-high loudspeakers to be mounted on a straight speaker pole above the subwoofer. The enclosures also feature four large rubber feet and corresponding recesses in their tops to facilitate interlocking the boxes when stacked. The woofers' cones are made from a waterproof fiber matrix which can withstand exposure to spills and rain and can be wiped clean with a damp cloth.

SSP118-MKII | 18" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Single 18" Subwoofer
Frequency Response (± 3 dB):	30-100Hz
Maximum Sustained Output:	130 dB SPL, 1m, 2pi, half-space, (ground stacked)
Max SPL (Peak)*:	136 dB
Nominal Dispersion (*H x *V):	360 x 360 - Cardioid Mode Available with Multiple Boxes

Electrical

Amplification:	2400 Watt RMS Class D Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, time alignment and limiting
Electrical Input Connector:	Neutrik Powercon input (Blue) NAC3FCA
Electrical Connector, Mains:	NEMA5-15 (Edison) or L530, upon request
Voltage Operating Range:	90-132VAC, 55-65Hz
Current Draw, Nominal:	565 W, 4.7A
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

Physical

Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for low frequency response with high sensitivity and high power handling
Transducer:	1 x 18 in. diameter (457 mm) neodymium motor woofer with 4 in. (100 mm) copper winding voice coil and 56 mm (2.2) peak to peak excursion. Waterproof fiber composite cone
Cabinet Construction:	18 mm Baltic Birch plywood, extensive integrated bracing. Equipped with 4 integrated handles, 1 pole socket, 4 large rubber feet, and 4 interlocking foot pockets
Dimensions (HxWxD):	22.5 in. x 30 in. x 24 in. (23.25 in. high with feet)
Net Weight:	125 lbs
Shipping Weight:	140 lbs
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Pole Sockets:	1 (35 mm)
Handles:	4 Integrated Handles

Optional

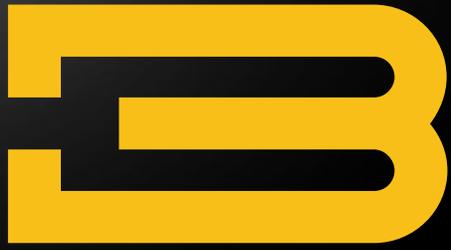
Flying Hardware:	Side-pull anchors and/or shoulder eyebolts
Suspension System:	M10-1.5 threaded flypoints
Amplification for Installation:	Complete power package including DSP in two space rack chassis for permanent installations
Installation Version:	Available without handles and pole sockets
Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet for transporting 1 or 2 cabinets
Covers:	Heavy-duty padded nylon transport covers for 1 or 2 cabinets
Online Information:	bassboss.com/ssp118

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

SSP118-MKII

18" Powered Subwoofer





Specs Sheet

DJ18S | 18" Powered
Subwoofer

DJ18S | 18" Powered Subwoofer

Frequency Response Down to 27 Hz ○

Compact Size, Light Weight, Easy To Transport ○

Excellent Output-To-Size Ratio ○

2400W RMS Class D Amp ○

Description:

For DJs and venues seeking extremely deep bass at moderately high levels, the DJ18S is a small, light and very cost-effective solution. Suitable for the truly bass-insatiable, whose focus is on modern music that features frequencies well below the usual 40-50Hz range, this extremely compact sub weighs only 110 lbs and delivers output down to 27Hz (-3dB). By comparison, most similarly sized subs are going to be -10dB at 30 Hz. That's an equivalent output ratio of 2:1 at the lowest notes. That means it would take 2 boxes with output that's -10 at 30Hz to produce the same output as one DJ18S.

The DJ18 is a single 18-inch direct-radiating subwoofer. Featuring a long excursion, 18-inch woofer loaded into a vented enclosure that is tuned to optimize extremely low frequency output using a very large port. The amplifier is loaded at the interior port end to utilize the air flow at high output for additional cooling. The cabinet was designed to minimize materials, cost and weight and maximize efficiency.

It includes a 2400W RMS amplifier, rated for RMS output using continuous sine wave signal. This is not a peak or burst power rating. The amplifier is capable of delivering 2400W of continuous output, ensuring that the amp isn't the limiting factor in the output of low frequencies. Providing abundant power also virtually eliminates the possibility of overheating and damage to the woofers caused by clipping.

All that electrical power is converted into acoustical power by a 18 inch neodymium motor woofer. This premium-quality driver features a copper-winding voice coil. High-intensity Neodymium magnets are lighter and provide higher efficiency so the result is a lighter and louder cabinet.

Integrated, comprehensive DSP is included. Processing includes high-pass and low-pass filters as well as multiple protection systems and limiters to control all manners of driver overload, including thermal, excursion and clipping. The protection systems effectively prevent overheating of the voice coils and minimize long-term thermal compression while having virtually no effect on the transient response and peak output of the loudspeaker.

The cabinets are constructed from 18mm Baltic Birch plywood, assembled using dado joints, screws and advanced composite adhesives. Stainless steel bolts are used to secure the drivers, amplifier and pole sockets. The cabinet is finished in an extremely rugged, black polyurethane coating.

The driver is protected by a black powder-coated, perforated steel grill. The woofer cones are waterproofed so the cabinets are safe to use outdoors where they may encounter rain, in nightclubs where drinks may be spilled on them, or in dusty environments that may leave the drivers needing a thorough deep cleaning.

DJ18S 18" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description	Subwoofer, single 18" powered and processed
Frequency Response (± 3 dB):	27 - 100 Hz
Maximum Sustained Output:	127 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*	136 dB
Nominal Dispersion ($H^\circ \times V^\circ$):	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification:	2400 Watt Continuous RMS Class D Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connectors, Amp:	Neutrik Powercon input (Blue) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15, (Edison)
Voltage Operating Range:	90-130V
Current Draw, Nominal:	3A @ 120 volts (typical, 1/8 max power)
Current Draw, Peak:	20A
Current Draw, Continuous:	Limited to 16.5A after 1 second
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

Physical

Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for high sensitivity at extremely low frequencies
Transducer:	1 x 18" diameter (457 mm) neodymium motor woofer with 4" (100 mm) split winding copper voice coil with waterproof fiber composite cone
Cabinet Construction:	18 mm Baltic Birch plywood. Equipped with 2 handles, 1 pole socket and rubber feet
Dimensions (HxWxD):	27.5" x 20.5" x 29.5" (69.85 cm x 52.07 cm x 74.93 cm)
Net Weight:	110 lbs. (50 kg)
Shipping Weight:	125 lbs. (57 kg)
Exterior Finish:	Weatherproof bonded high-pressure polyurethane
Grill:	Perforated, powder-coated steel
Pole Sockets:	1 (35 mm)
Handles:	2 Integrated Handles

Optional

Cover:	Heavy-duty padded nylon transport covers for 1 cabinet
Transport Dollies:	Dolly cart with 4 locking casters, recesses into back of cabinet for secure transport
Online Information:	bassboss.com/dj18s

*Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.

DJ18S | 18" Powered Subwoofer



BB



Specs Sheet

BB15 | 15" Powered Subwoofer

BB15 | 15" Powered Subwoofer

Compact Size, Light Weight, Easy To Transport

Tiny Footprint

Still BASSBOSS low

Excellent Output-To-Size Ratio

Description:

Big bass from an extra small, even lighter cabinet.

David Lee continues to push the envelope of design for mobile-optimized subwoofers. The BB15 subwoofer's compact size and excellent output-to-price ratio was designed for gigging DJs, home studio bass-heads, or venue owners with limited space.

A powerful, easily portable system for deep bass and superior sound quality, the BB15 offers Plug and Play usage, integrated DSP, a 2400 watt continuous amplifier, and a compact, lightweight design. At only 21" x 17" x 24" and 70 lbs, it produces very deep bass for its size, with frequency response to 40 Hz \pm 3 dB, bringing alive notes that mass-market subs simply can't reproduce.

For DJs and venues seeking extremely deep bass at moderately high levels in tight spaces, the BB15 is the smallest, lightest and most cost-effective solution available. Suitable for the truly bass-insatiable, whose focus is on modern music that features frequencies from 40-50Hz at up to 130dB, this extremely compact sub weighs only 70 lbs.

The BB15 is a single 15-inch direct-radiating subwoofer. Featuring a long excursion, 15-inch woofer loaded into a vented enclosure that is tuned to optimize low frequency output using a very large port. The amplifier is loaded at the interior port end to utilize the air flow at high output for additional cooling. The cabinet was designed to minimize materials, cost and weight and maximize efficiency.

It includes a 2400W RMS amplifier, rated for RMS output using continuous sine wave signal. This is not a peak or burst power rating. The amplifier is capable of delivering 2400W of continuous output, ensuring that the amp isn't the limiting factor in the output of low frequencies. Providing abundant power also virtually eliminates the possibility of overheating and damage to the woofers caused by clipping.

All that electrical power is converted into acoustical power by a 15 inch neodymium motor woofer. This premium-quality driver features a copper-winding voice coil. High-intensity Neodymium magnets are lighter and provide higher efficiency so the result is a lighter and louder cabinet.

Integrated, comprehensive DSP is included. Processing includes high-pass and low-pass filters as well as multiple protection systems and limiters to control all manners of driver overload, including thermal, excursion and clipping. The protection systems effectively prevent overheating of the voice coils and minimize long-term thermal compression while having virtually no effect on the transient response and peak output of the loudspeaker.

The cabinets are constructed from 15mm multi-ply Birch laminate, assembled using dado joints, screws and advanced composite adhesives. Stainless steel bolts are used to secure the drivers, amplifier and pole sockets. The cabinet is finished in an extremely rugged, black polyurethane coating.

The driver is protected by a black powder-coated, perforated steel grill. The woofer cones are waterproofed so the cabinets are safe to use outdoors where they may encounter rain, in nightclubs where drinks may be spilled on them, or in dusty environments that may leave the drivers needing a thorough deep cleaning.

BB15 15" Powered Subwoofer

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Single 15" direct-radiating vented subwoofer
Frequency Response (± 3 dB):	40-105Hz
Maximum Sustained Output:	127 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*:	130 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	Omnidirectional (360 x 360)

Electrical

Amplification:	2400W RMS Class D Amplifier
DSP:	Integrated Comprehensive DSP including High Pass, Low Pass, Phase Alignment, EQ, and Limiting
Electrical Connectors, Amplifier:	Neutrik powerCON Input (Blue) NAC3FCA, Neutrik powerCON Through (White) NAC3FCA
Electrical Connectors, Mains:	Standard US 3-pin 120V - Optional connectors may be specified at time of order
Voltage Operating Range:	90-132V AC, 50-60Hz.
Current Draw, Nominal:	3.2A @ 120 volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)

Physical

Cabinet Construction:	CNC machined 15mm multi-ply Birch laminate with extensive bracing and dado joinery.
Transducer (Low Frequency):	1 x 15 in. diameter (380mm) Neodymium motor woofer with 4 in. (100mm) voice coil, waterproof cone
Dimensions (HxWxD):	20.5 in (521mm) x 17 in (430mm) x 24 in (610mm)
Net Weight:	70 lbs
Shipping Weight:	83 lbs
Exterior Finish:	Rugged, weatherproof, textured, bonded high-pressure black polyurea coating
Grill:	Perforated, powder-coated steel
Handles:	2 Integrated Handles

Optional

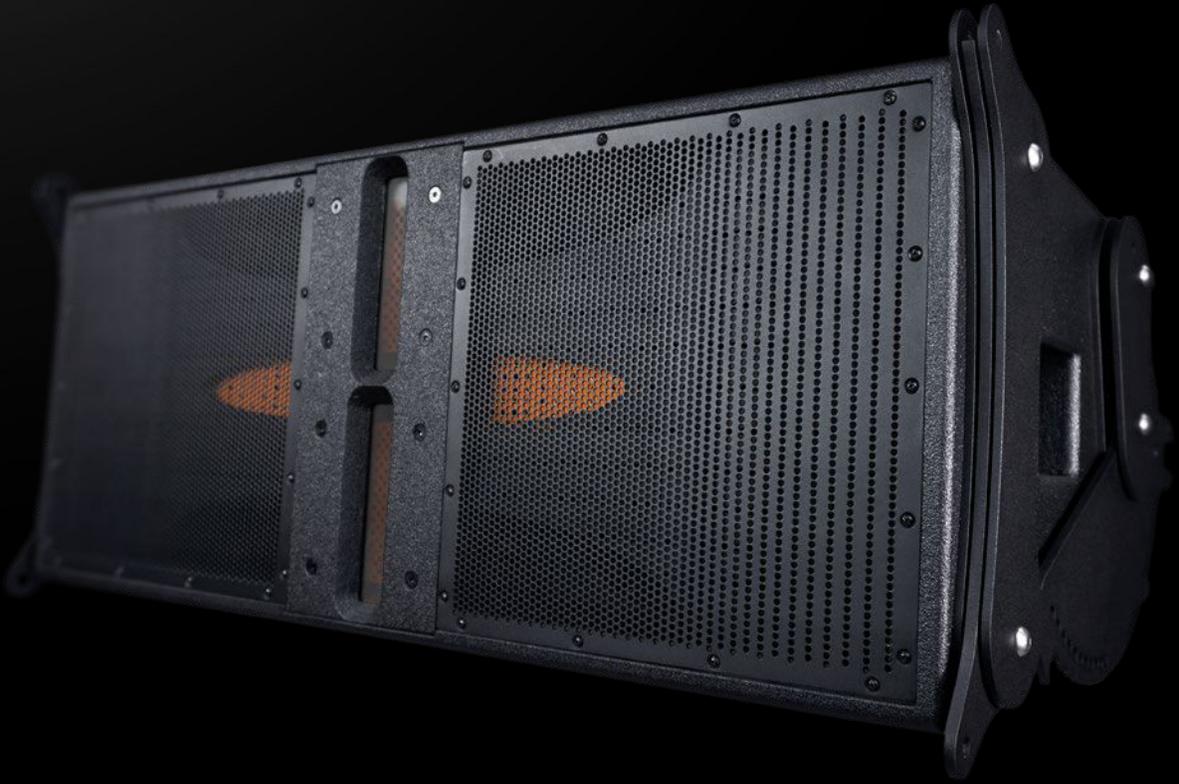
Covers:	Available fitted, padded nylon covers
Casters:	4 Casters and hardware to attach to the rear of the cabinet.
Online Information:	bassboss.com/bb15

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

BB15 | 15" Powered Subwoofer



FB



Specs Sheet

MFLA | Dual 12"

Powered Line Array

MFLA | Dual 12"

Powered Line Array

Compact, High Fidelity, Very High Output

Ultra-Wide Horizontal Coverage

Superior Projection of High Frequencies

Excellent Bass Performance

Description:

The MFLA is a dual 12" with a dual 1.4" line array element featuring a 3000W amplifier and comprehensive DSP.

A 3000W RMS amplifier provides the MFLA with very high SPL capabilities and plenty of dynamic headroom. Low current draw and light weight relative to their output capacity means you can provide intense sound with less power and fewer boxes.

The comprehensive processing ensures consistent, undistorted high-SPL operation and maximum reliability. All the processing necessary for linear frequency response and phase coherent operation are pre-programmed into the DSP, delivering exceptional dynamic resolution and detail along with precise control.

The proprietary processing programmed into the BASSBOSS MFLA provide the ease of plug-and-play operation and very simple and easy setups. You also get the peace of mind that comes from knowing that the multi-tiered limiters make the system virtually indestructible.

The MFLA cabinet features innovations in performance and practicality. The forward output of the dual 12" woofers passes through a multi-aperture diffraction matrix that distributes mid-range energy evenly and in phase over the height of the cabinet. This matrix thereby reduces the acoustical source spacing to provide exceptional projection of mid-range frequencies. The matrix also shifts upper-midrange frequency output toward the center of the cabinet, which broadens the horizontal dispersion of the midrange frequencies. Because this technology allows the MFLA to deliver coherent midrange propagation from a symmetrical 2-way design, the high frequency lenses can be utilized for extremely wide horizontal coverage, even often eliminating the need for front-fills.

The rear output of the woofers enters a vented enclosure that features integrated damper structures that enhance midrange clarity along with extensive bracing for minimal resonance. The vents are located to further improve midrange clarity and provide for wider horizontal coverage capability while they do their primary duty of delivering exceptional low frequency performance. Their location also provides for a secondary function of ducting cool air directly over the low-frequency driver motors for reduced thermal compression and improved reliability.

Fixed-Point Flyware ensures absolutely consistent box-to-box alignment. The high-frequency output remains coherent at higher frequencies because the cabinets cannot move front-to-back once the pins are inserted. This precision alignment in the direction that influences time domain is critical for the phase of high-frequency signals to remain coherent from box to box. This feature dramatically improves the very high-frequency propagation effectiveness of the entire array, allowing the MFLA to deliver pristine highs at greater distances.

The MFLA Flyware features a simultaneous compression and tension mechanism, allowing the cabinets to be flown or ground stacked using the same simple setup. The proprietary flyware design ensures there is no slack and no shifting in the box alignment once the boxes are pinned. The mechanism allows for single-handed adjustment of splay angles for ground-stacked operation or in preparation for flying.

MFLA Dual 12" Powered Line Array

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Horizontally Symmetrical Dual 12", Self-powered, Vented Line Array element with Pressure-Phase Distributed midrange loading and isophasic high-frequency wave guides.
Frequency Response (± 3 dB):	60 - 18,000Hz
Sensitivity:	LF - 104dB, HF 113dB
Maximum Sustained Output:	136 dB
Max SPL (Peak)*:	139 dB
Nominal Dispersion (*H x *V):	120 x 10

Electrical

Amplification:	3000 Watt EIAJ Class D Amplifier
DSP:	Integrated Comprehensive DSP including High Pass, Low Pass, Phase Alignment, EQ and Limiting
Electrical Connectors, Amplifier:	Neutrik powerCON Input (Blue) NAC3FCA, Neutrik powerCON Through (White) NAC3FCA
Electrical Connectors, Mains:	Standard US 3-pin 120V - Optional connectors may be specified at time of order
Voltage Operating Range:	90-250V AC, 50-60Hz. Auto-sensing, auto-switching, PFC universal power supply
Current Draw, Nominal:	3.6A @ 120 volts; 2A @ 220 volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)

Physical

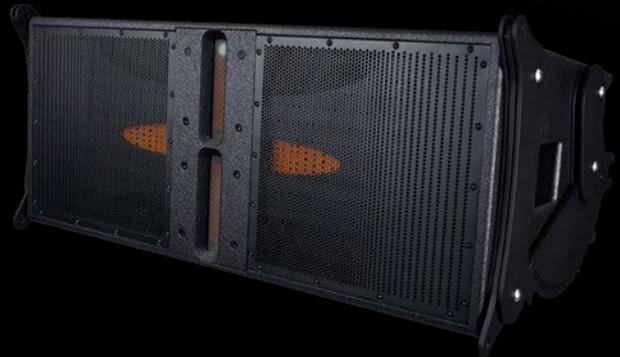
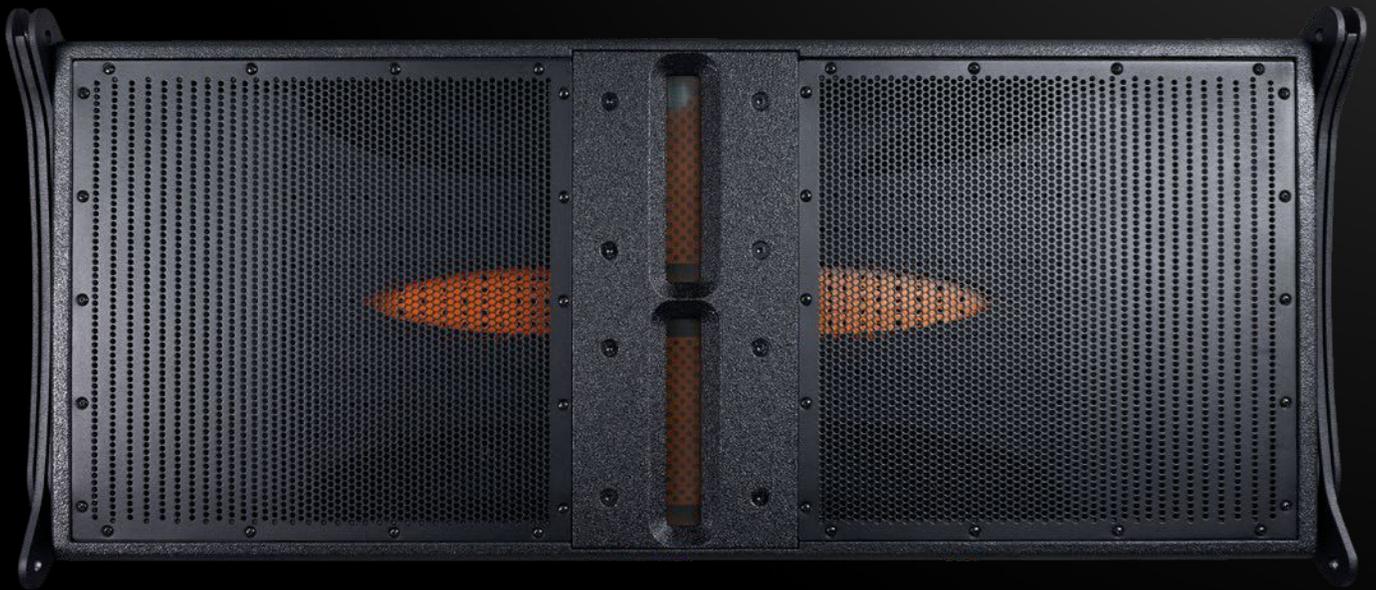
Cabinet Construction:	CNC machined 15mm multi-ply laminate with extensive bracing and dado joinery. External flyware and linking mechanism
Transducer (Low Frequency):	2 x 12 in. diameter (300mm) Neodymium motor woofer with 3.5 in. (89mm) voice coil, waterproof cone
Transducer (High Frequency):	2 x 1.4 in. (36mm) exit compression drivers with 2.5 in. (63.5mm) voice coils mounted to isophasic wave guides
Dimensions (HxWxD):	16.125 in. x 40.5 in. x 20.375 in. (Including Flyware)
Flyware:	Integrated line array flyware, adjustable in one degree increments from 0 to 10 degrees.
Net Weight:	104 lbs
Shipping Weight:	130 lbs
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Handles:	2 Integrated Handles

Optional

IP Connections:	IP-65 rated power and signal connections available for moisture resistance
Flight Case:	Multi-box Touring Cases for up to 5 cabinets.
Array Frame (Bumper Bar):	Standard Rigging Frame with multiple lifting points
Covers:	Multi-box soft covers for up to 4 cabinets when on a rolling cart
Transport Dolly:	Ground Support Rolling Cart - provides angle adjustment when used for ground support deployment
Online Information:	bassboss.com/mfla

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

MFLA | Dual 12" Powered Line Array





AT312

3-Way Powered Top



Specs Sheet



AT312

3-Way Powered Top

Outstanding Sound Quality ○

High-Output 3-Way Active Loudspeaker ○

Lightweight and Low-Profile ○

Symmetrical Coverage, Any Orientation ○

Description:

The AT312 Attuned Top is a co-axial point-source cabinet for medium to short distance coverage where a small footprint and very high fidelity are required. It's compact, simple to use, easy to set up, attractive and capable of very high output with superbly uncolored sound and natural musical character.

When combined with subwoofers like the SSP218 Powered Subwoofer or ZV28 Powered Sub, the result is an extremely high-resolution 4-way active loudspeaker system with virtually unparalleled resolution and dynamic power for its size. Its driver compliment incorporates dual 12" woofers in a vented enclosure for low frequencies and a 12" midrange driver in a sealed enclosure with a co-axially mounted 1.4" exit compression driver. Coverage is 80 degrees conical. One-man set up of a substantial system is made easy because the AT312 cabinets weigh only 88 lbs each.

Dual 12" low frequency drivers were chosen to minimize cabinet frontal area while delivering the best possible speed and impact in their operating range. Thanks to the narrow frontal area, the low frequency drivers couple coherently when multiple cabinets are arrayed, providing powerful mid-bass impact from a small, lightweight box. The 12" coaxial drivers also serve to minimize frontal area while maximizing output. The loudspeaker behaves as a point-source, which deliver more consistent off-axis performance than conventional loudspeakers with separate mid and high frequency drivers. This feature enhances resolution and the consistency also enhances the loudspeaker's versatility, allowing it to be mounted horizontally or vertically with no compromise in coverage or performance. The 48" tall box elevates the mid and high frequency radiators to a minimum of 7'6" on center when stacked on the corresponding subwoofer systems.

Transportation and set-up of the SSP218/AT312 combination is made easy because the subwoofers serve as a carrier for the tops. In most venues it's possible to roll the system into place, lock the casters, tilt up the tops, plug in the power and signal and have an extremely substantial system ready to play in a few short minutes by just one person.

When an AT312 is used with a BASSBOSS powered subwoofer the result is a very effective, practical, high fidelity 4-way active loudspeaker system. The simplicity and ease of these components together, coupled with fidelity and reliability that are industry leading, will delight anyone who is regularly moving gear.

Any speaker that has the tweeter horizontally or vertically offset from the mid-frequency driver produces very different response as one moves through its coverage area from the tweeter side to the woofer side. This is due to the different distances the sound has to travel to reach the ears. Due to the co-axial construction of the AT312 the path length difference between lows and highs is the same in any direction, allowing extremely consistent off-axis response regardless of which direction you move away from directly on center.

AT312 3-Way Powered Top

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Point-source mid-high cabinet with 80 degree conical coverage for horizontal or vertical applications
Frequency Response (± 3 dB):	50 Hz – 18 kHz
Sensitivity:	LF: 101dB; MF: 99dB; HF:105dB
Maximum Sustained Output:	130 dB
Max SPL (Peak)*	142 dB
Nominal Dispersion (°H x °V):	80 x 80

Electrical

Input Power Rating:	3000 Watt 4 Channel Powersoft Class D Amplifier
Input Power Rating, LF, MF, HF:	1400W, 800W, 160W Enclosure
Output Power Rating, Channel 1:	750W @ 4 Ω
Output Power Rating, Channel 2:	750W @ 4 Ω
Output Power Rating, Channel 3:	750W @ 4 Ω
Output Power Rating, Channel 3:	500W @ 8 Ω
Processing:	Integrated comprehensive DSP with 4 presets; including high-pass, low-pass, parametric EQ, phase alignment and limiting
Electrical Input Connector:	Neutrik Powercon
Voltage Operating Range:	90-250V. Auto-sensing, auto switching universal supply
Current Draw, Nominal:	3.6A @ 120 volts, 2A @ 220V (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M full-range pass-through

Physical

Type:	3-way mid-high. Direct radiating, vented enclosure LF section, acoustic suspension MF section with co-axially mounted, horn-loaded HF section
Low Frequency Transducer:	2 x 12 " did (300 mm) neodymium motor woofer with 4" (100 mm) voice coil, waterproof cone
Mid Frequency Transducer:	12" dia. (300 mm) neodymium motor 3" voice coil midrange driver with co-axial HF exit
High Frequency Transducer:	1.4" exit 3" (76 mm) voice coil compression driver mounted to 80 degree conical wave guide
Cabinet Construction:	18mm Baltic Birch plywood, dado joinery, integrated handles, 20 degree side angle trapezoid
Suspension System:	4 x 3/8"-16tpi threaded flypoints
Dimensions (HxWxD):	48" x 15" (front) x 14" (121.92 cm x 38.1 cm [front] x 35.56 cm)
Net Weight:	95 lbs. (43 kg)
Shipping Weight:	110 lbs. (50 kg)
Exterior finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Pole Sockets:	1 (35 mm)
Handles:	6 Integrated Handles

Optional

Side Pull Anchors:	For use when flying cabinets horizontally
Shoulder Eye Bolts:	For use when flying cabinets vertically
Cover:	Heavy-duty padded nylon transport cover
Online Information:	bassboss.com/at312

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

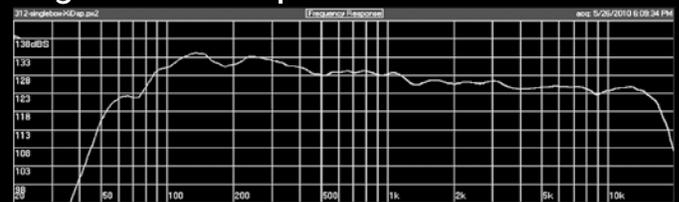
WWW.BASSBOSS.COM

AT312

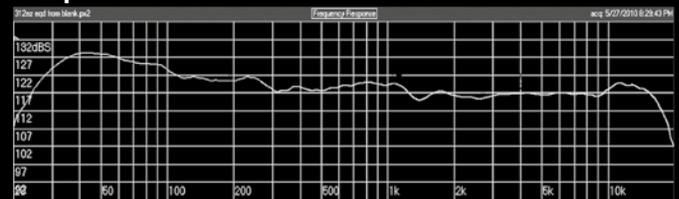
3-Way Powered Top



Single Cabinet Response



Response with Subwoofer





AT212-3K

2-Way Powered Top



Specs Sheet

AT212-3K

2-Way Powered Top

High Output and Efficient ○

Excellent Sound Quality ○

Light Weight for Easy Set-Up and Transport ○

Wide Coverage Rotatable Horn ○

Description:

The AT212-3K Attuned Top is a 2-way, self-powered, bi-amplified loudspeaker for short to medium distance coverage. Simple to use, with high output, smooth sound and natural musical character. The light weight, power and efficiency of the AT212-3K make it ideal for providers who want to deliver high output but prefer not to move heavy cabinets.

Intended for use with a subwoofer system to complete a 3-way active full-range system. The AT212-3K has a tall, slim design allows the HF horn to stand above crowds when the cabinet is stacked on subwoofers and the light weight of the cabinet makes stacking easy for one person. One-man set up of a substantial system is made easy because the AT212-3K cabinets weigh only 89 lbs.

The AT212-3K is a 2-Way active, powered and processed mid-high loudspeaker. At only 89 lbs it is particularly well suited to applications where light weight is required. One-person set-up of a substantial system is easy and quick.

The cabinet is built of 15mm Baltic Birch plywood. It features an 18mm baffle, with dado joinery, 4 steel bar handles, and a 15 degree side angle trapezoid shape. The cabinet features 5 handles and 8 fly points, with 80 x 60 degree rotatable coverage for multiple applications including ground stack and horizontal or vertical flying.

Weatherized versions are available for outdoor installations. Rack-mounted amplification and waterproof input connections along with a fiberglass underlaid finish, silicone sealed gaskets, stainless steel grill and hardware and a hydrophobic grill cloth are optional.

The cones are waterproofed to protect them from accidental exposure to moisture such as rain or spilled beverages. Waterproofed woofer cones are included in all BASSBOSS loudspeakers. Weather resistant, IP rated amplifiers are available for applications where rain might be encountered, and fully weatherized RP (Rack Powered) versions are available for outdoor installations. The optional weatherized and weather resistant loudspeakers have the same components and outstanding acoustical performance as the standard versions.

The AT212-3K cabinets can be combined in arrays of 3 or more cabinets. The horn can be rotated and the boxes packed side-by-side to form arrays that cover 90, 120, 150, 180 degrees and more.

BASSBOSS cabinets are hand-built in the USA. The cabinet is built from 18 and 15mm Baltic Birch plywood. It features an 18mm baffle, top and bottom, with 15mm sides and braces, all assembled with dado joinery and advanced, composite adhesives. The cabinet includes 4 steel bar-handles and fly points. The rotatable HF horn provides 80 x 60 degree coverage for multiple applications including ground stack and horizontal or vertical flying. A 30-degree long-throw horn is available as an option for large arrays.

Created to stand up to intense usage. The cabinet is finished in an extremely rugged, black polyurethane coating. Drivers are protected by a black powder coated, perforated steel grill, and the amp is recessed into the back of the cabinet for protection from damage in transit.

The amplifier consists of 2 channels with a total of 3,000W. The amplifier features extremely high dynamic power capacity, with 150 Volts peak output per channel, along with high damping of >10000:1 Efficient, PFC power supply and class D output topology.

Exceptional dynamic resolution and detail along with precise control. It offers low current draw and light weight relative to the output capacity.

All the processing necessary for linear frequency response and phase coherent operation are pre-programmed into the DSP. With the comprehensive processing built in, BASSBOSS loudspeakers provide the ease of plug-and-play operation and the peace of mind that comes from knowing that the multiple limiter systems make to system virtually indestructible.

The AT212-3K is a vented cabinet that features two 12" woofers and a 1.4" throat, horn-loaded compression driver. The woofers feature 4" voice coils, Neodymium magnets, cast aluminum baskets and ultra-light carbon-impregnated cones. The compression driver also features a Neodymium motor structure with a 2.5" voice coil diaphragm.

AT212-3K 2-Way Powered Top | SPECIFICATIONS

Acoustical

Loudspeaker Description:	Full Range 2-way Active Vented, 80 x 60 degree (rotatable) coverage for multiple applications: ground stack and horizontal or vertical flying
Frequency Response (± 3 dB):	45 – 18,000 Hz
Sensitivity:	LF: 107dB; HF:107dB
Maximum Sustained Output:	136 dB
Max SPL (Peak)*	139 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	80 x 60, rotatable to 60 x 80

Electrical

Amplification:	3000 Watt Two Channel Powersoft Class D
Processing:	Integrated comprehensive including high-pass, low-pass, parametric EQ, phase alignment and limiting
Electrical Connectors:	Neutrik PowerCON in and through
Voltage Operating Range:	90-250V. Auto-sensing, auto-switching, PFC universal power supply
Current Draw, Nominal:	3.6A @ 120 Volts; 2A @ 220 Volts, (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through

Physical

Cabinet Construction:	18 mm Baltic Birch plywood, 15mm braced sides, dado joinery, 4 steel bar handles, 30 degree trapezoid
Enclosure Type:	2-way, Active, Full Range. Direct radiating vented LF section, horn-loaded HF section
Transducers, LF:	2 x 12" diameter (300 mm) neodymium motor woofer with 4" (101.6 mm) voice coils, waterproof cones
Transducer, HF:	1 x 1.4" exit, 3" (76.2 mm) diameter voice coil compression driver mounted to an 80 by 60 degree constant directivity horn
Dimensions (HxWxD):	47.75 in. x 14.3 in. front (5.3 in. rear) x 17.75 in. (121.28 cm x 36.32 cm [13.462 cm rear] x 45.08 cm)
Net Weight:	89 lbs. (40 kg)
Shipping Weight:	99 lbs. (45 kg)
Exterior Finish, Touring:	Weatherproof bonded high-pressure polyurethane
Exterior Finish, Installation:	Textured Epoxy Paint, Black or White
Exterior Finish, Weatherized:	Fiberglass underlaid UV treated bonded high-pressure polyurethane with silicone seals and stainless steel grill
Grill:	Perforated, powder-coated steel

Optional

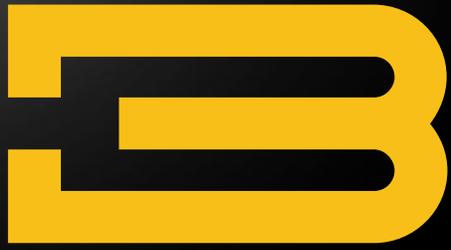
Suspension Points:	Four x 3/8" – 16 TPI on centerline top and bottom
Flying Array Bracket:	Allows arrays of cabinets to be flown from two points
Side-pull Anchors:	For use when flying cabinets horizontally
Shoulder Eye Bolts:	For use when flying cabinets vertically
Covers:	Heavy-duty padded nylon transport covers
Weatherized Version:	Suitable for permanent outdoor installations
Online Information:	bassboss.com/at212

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

AT212-3K

2-Way Powered Top





Specs Sheet

DV12-MKII
12" Powered Top

DV12-MKII

12" Powered Top

High Fidelity, High Output, High SPL ○

Ultra-Wide Horizontal Coverage ○

Broad Frequency Range, Long Throw ○

Line-Array Performance from Pairs ○

Description:

Designed for incredible sonic clarity and true full-range performance, the DV12-MKII is simply the best single 12" top on the market.

New features:

- Specially-developed high-performance woofer features increased excursion and power handling capabilities with reduced distortion.
- Upgraded compression driver from a 2.5" to 3" diaphragm, featuring smoother frequency response and increased sensitivity.
- Updated cabinet tuning takes advantage of improved low-frequency performance of new woofer.
- Multiple handles have been added, making set-up even easier.

The result is **even higher output, resolution, depth and detail** than the original. With the MKII, the DV12 again sets the standard for the full-range compact main loudspeaker.

The DV12-MKII uses a **line-array derived 1.4" throat isophasic wave guide instead of a conventional horn**. The result is a combination of very wide and consistent horizontal coverage (120°) with a tight vertical pattern (20°) that extends high frequency projection farther than a conventional horn.

The **lower frequencies are produced by a 12" woofer that features an ultra-light carbon-fiber impregnated cone for outstanding resolution**, a cast aluminum basket for rigidity and reliability, a Neodymium magnet for light weight and high efficiency, a 4" voice coil for high power handling and a symmetrical, long-excursion suspension for accurate and extended bass response.

The **amplifier can deliver output peaks of 150V, to provide amazing dynamic resolution and impact. It also has a 10,000:1 damping factor, which provides extremely tight control over the cone**. The fully integrated and comprehensive digital processing ensures smooth response and reliable operation thanks to meticulous filter alignments and dual stage limiters that protect the drivers from excessive peaks, and also from thermal overload, by monitoring real power output over time. The amplifier features a large heat sink and 2 temperature-controlled fans to ensure consistent operation under even the most extreme conditions.

The DV12-MKII is the **ultimate in plug and play, with universal voltage compatibility and no need for any outboard gear other than a sound source**. The processing features presets that allow it to run in several configurations. The first is full-range mode, with response down to 40Hz (-3dB). The other presets allow the DV12-MKII to be integrated with various types and sizes of subwoofers. Each preset has a specific high-pass filter frequency, input sensitivity, high and low frequency limiter setting and subwoofer alignment processing.

The DV12-MKII can be combined with any **BASSBOSS subwoofer because all the presets are programmed to align with all the subs**. Each preset offers different advantages that suit certain applications and preferences. No matter which preset you choose, your BASSBOSS subs and DV12-MKII tops will always play in harmony.

The **cabinet is assembled in the USA from premium selected 15mm Finland Birch**. The design incorporates a 4-degree down-angle that ensures even distribution of high-frequency energy from front-to-back of a venue when the DV12-MKII is placed at the appropriate height on a tripod or support pole. Additional features include a 38mm (1-3/8") cast metal pole socket, eight fly points and six handles. The amplifier is recessed from the back of the cabinet to protect it in transit. A perforated steel grill protects the woofer, and its progressive perforation pattern serves to broaden midrange dispersion. The high-frequency lens and port are left clear of the grill to minimize reflections and air flow noise that could compromise sound quality.

Should you ever need more sound than can be produced by one DV12-MKII per side, its invertible array feature allows perfect summing of two speakers, which provides a big increase in output and projection without compromising the crystal clarity. To further utilize the advantages of the line-array waveguides, the DV12-MKII's are designed to stack with the HF lenses vertically aligned. This allows the high-frequency sections of two boxes to sum perfectly as they would in a line-array while the low-frequency sections sum in a column for improved low-frequency directivity and greatly increased output.

There is finally a speaker that allows two completely functional stereo systems to be combined into one without having to compromise, either when they are together, or when they are separated.

DV12-MKII | 12" Powered Top

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Long throw, wide dispersion compact full-range speaker
Frequency Response (± 3 dB):	40 - 19,000 Hz
Max Sustained Output (Full-Range):	120 dB SPL, 1m
Max Sustained Output (Satellite-Mode):	126 dB SPL, 1m
Max SPL (Peak)*:	134 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	120 x 20

Electrical

Amplification:	3000 Watt Two-Channel Powersoft Class D Amplifier
Processing:	Integrated comprehensive including high-pass, low-pass, parametric EQ, phase alignment and limiting
Electrical Connectors, Amplifier:	Neutrik Powercon in and through
Electrical Connector, Mains:	NEMA 5-15 (Edison)
Voltage Operating Range:	90-250V. Auto-sensing, auto switching universal supply
Current Draw, Nominal:	3.6A @ 120 volts, 2A @ 220V (typical, 1/8 max power)
Display:	LEDs for Power on/ready, Signal, Thermal and Protect. LEDs indicating selected preset
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through

Physical

Enclosure Type:	Self-powered, bi-amplified, 2-way full-range. Direct radiating vented LF section, wave-guide-loaded HF section
Transducer, LF:	1 x 12" diameter (300 mm) neodymium motor woofer with 4" (100mm) voice coil
Transducer, HF:	1 x 1.4" throat neodymium motor compression driver with 3" (76mm) voice coil on isophasic wave guide
Cabinet Construction:	15 mm multi-ply Finland Birch plywood with internal bracing and damping. Includes 8 steel braced 10mm fly points and a 35mm pole socket
Suspension Points:	8 x 10mm internally braced threaded mounting points
Dimensions (HxWxD):	24.5" x 14.5" x 17" (62.23 cm x 36.83 cm x 43.18 cm)
Net Weight:	63 lbs. (28 kg)
Shipping Weight:	68 lbs. (30 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder coated steel

Optional

Stacking Bracket:	Adjustable bracket set, mounts second cabinet inverted for near-perfect summed response and line-array style performance. Provides splay-angle adjustment from 0 to 8 degrees.
Flying Bracket:	Two DV12s can be arrayed together and flown from the DV12 array flying bracket.
Shoulder Eye Bolts:	For use when flying cabinets vertically
Side-pull anchors:	For use when flying cabinets connected by stacking bracket to Truss
Cover:	Heavy-duty padded nylon transport cover with velcro closure
Loop-through PowerCON:	Power jumper for chaining power between stacked cabinets
Online Information:	bassboss.com/dv12

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

DV12-MKII

12" Powered Top



DV12-MKII
Invertable Array



Specs Sheet

SV9 | 9" Powered Top

SV9 | 9" Powered Top

Compact, High Fidelity, High Output

Broad Frequency Range

Rotatable High Frequency Horn

Use as Main, Fill or Monitor

Description:

The SV9 is a studio-reference quality monitor that can venture outside the studio thanks to rugged finishes, handles, grilles and a substantial amount of power. The result is a very compact and portable system for those who need premium quality and impressive output, perfect for sound providers and venues who need to cover distanced crowds without large sized, heavy and obtrusive cabinets.

The compact, high fidelity and high output SV9 replaces the popular BASSBOSS SV8 Single 8" Powered Monitor, and continues the tradition of delivering remarkable bass performance and outstanding sound quality. This single 9" loudspeaker compares to much larger loudspeakers in response and output. Such performance from a much smaller enclosure is made possible by making decidedly different design and component choices than competitors.

The Birch plywood enclosure is strong and solid but very easily portable. The 9" woofer features a large voice coil and a rubber surround for high power handling and smooth response. The amplifier offers abundant headroom and the proprietary BASSBOSS processing ensures exceptional sound quality and reliability. The cabinet construction, design, and premium components all contribute to a rich, smooth, sound for any occasion.

The SV9 is suitable for use as a studio monitor but is equally capable of covering small events. It provides extremely flat frequency response with a neutral character for critical monitoring duties and, thanks to lots of power, it delivers remarkably high output. With an enclosure that is just 18 x 10 x 15 and a mere 26 pounds, smaller events can be covered with ease.

The Baltic Birch cabinet is finished in durable, high-pressure polyurea coating, features integrated handles, and a steel pole socket.

The amplifier is a 1200W Class D SMPS with PFC, offering 2-channels: 800W LF and 400W HF. The SV9s all-new DSP is a significant upgrade from the SV8, offering more processing power. Four presets allow for a variety of configurations.

The custom developed 9" Neodymium LF driver provides larger displacement and higher sensitivity than the previous 8" version. The 2.5" voice-coil offers greater power handling and higher output than the SV8, and the single-roll rubber surround provides a very smooth frequency response.

The SV9 uses an annular diaphragm ring-radiator HF driver. Its lighter diaphragm results in lower distortion and extended HF response. The smaller Neodymium motor of the HF driver offsets the added weight of the larger LF motor, keeping the weight nearly the same as the SV8.

BASSBOSS loudspeakers are protected for safe, high-power operation. Optimized cabinet design, premium quality drivers, power-matched amplification and comprehensive processing ensure that no matter the demand, they keep their cool, keep their character and keep on working.

SV9 9" Powered Top

SPECIFICATIONS

Acoustical

Loudspeaker Description:	Wide dispersion compact full-range self-powered loudspeaker with additional presets for satellite mode operation
Frequency Response (± 3 dB):	Preset 1: 50Hz - 19kHz (Full Range) Preset 2: 65Hz - 19kHz Preset 3: 80Hz - 19kHz Preset 4: 100Hz - 19kHz
Maximum Sustained Output:	118dB SPL, 1m, 2pi, half-space
Max SPL (Peak)*:	121 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	90 x 60 (Rotatable)

Electrical

Amplifier:	1200 W – two channel Powersoft Class D Amplifier
DSP:	Integrated comprehensive DSP provides high pass, low pass, equalization, phase alignment and limiting
Electrical Connectors, Amplifier:	Neutrik Powercon
Electrical Connector, Mains:	NEMA5-15 (Edison) standard 3-pin grounded plug
Voltage Operating Range:	90 – 250V Auto-sensing, auto switching pfc universal supply
Current Draw, Nominal:	1.4A @ 1/8 power
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

Physical

Enclosure Type:	2-way full-range/mid-high. Direct radiating vented LF section, horn-loaded HF section
Transducer, LF:	1 x 9 in. diameter (220 mm) neodymium motor woofers with 2.5 in. (64mm) copper winding voice coil.
Transducer, HF:	1.5 in. (38mm) diaphragm compression driver on 1 in. throat 90 x 60 degree horn.
Cabinet Construction:	15 mm Baltic Birch plywood. Equipped with 2 handles. Includes a 35mm steel pole socket
Suspension Points (Optional):	4 x 3/8" 16tpi, 2 top, front and rear, 2 bottom, front and rear
Dimensions (HxWxD):	18in. x 10 in. (7 in. rear) x 15 in.
Net Weight:	26 lbs (11.8 kg)
Shipping Weight:	31 lbs (14 kg)
Exterior Finish:	Black Weatherproof bonded high-pressure polyurethane
Grill:	Perforated, Powder-coated Steel

Optional

Shoulder Eye Bolts:	For use when flying cabinets vertically
Side-pull Anchors:	For use when flying cabinets horizontally
Tripod Stands:	Supports loudspeaker from ground
35mm Pole Stand:	Supports loudspeaker above subwoofer equipped with pole socket
Cover/Carrier:	Heavy-duty padded nylon transport cover and carrying bag
Online Information:	bassboss.com/svg

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

SV9 | 9" Powered Top



TB



Specs Sheet

DIAMON 112 12" Powered Top

DIAMON 112

12" Powered Top

Stunning Output-To-Size Ratio ○

Ultra Small Size And Lightweight ○

Consistent Off-Axis Response ○

1500 W Digital Class D Amplifier ○

Description:

The DiaMon 112 is a very compact, high-output, self powered loudspeaker. It features a 12" woofer and a co-axial 1.4" exit compression driver that plays through the center of the woofer, making it a true point-source cabinet. Both the woofer and tweeter coils share the same magnetic structure to keep size and weight to a minimum.

Because the tweeter exits through the middle of the woofer, the extra area that the tweeter would ordinarily take up on the front of the loudspeaker is eliminated, which helps make the DiaMon extremely compact. It's barely bigger than a 12" woofer but also incorporates a 1.4" exit compression driver with a 3" voice coil. The DiaMon 112 includes a 1500-watt Class D Powersoft amplifier with built-in digital signal processing, is bi-amped and has a full complement of protections, limiters and equalizers that ensure consistent, accurate and reliable operation. It is fully self-contained and needs no more than power and signal to be ready to go.

Even though the box is very small and very lightweight, there is nothing small or lightweight about its performance. This box is literally packed with the best components and technology money can buy, the whole point of which is to do more with less. The output of this little box is totally out of proportion to its size. It's extremely loud, but it's capable of being loud, not struggling to be loud. It sounds much bigger than it looks and has the ability to maintain crystal clarity even at the upper limits of its very remarkable capabilities.

The DiaMon 112 is a mid-high loudspeaker, so in order to deliver the BASSBOSS experience with full system sound it's best to combine it with a very powerful BASSBOSS subwoofer. It has the output to keep up with several subs and for system usage is intended to be mounted on a pole-stand above one or more BASSBOSS subs. Used with a subwoofer system, the DiaMon is an extraordinarily size-conscious and yet very powerful main speaker.

Any speaker that has the tweeter horizontally or vertically offset from the mid-frequency driver produces very different response as one moves through its coverage area from the tweeter side to the woofer side. This is due to the different distances the sound has to travel to reach the ears. Due to the co-axial construction the path length difference between lows and highs is the same in any direction, allowing extremely consistent off-axis response regardless of which direction you move away from directly on center.

The DiaMon 112 has a unique angle-cut corner that allows it to be placed on a table and used as a DJ monitor without pole-mounting. It also has a securely attaching threaded pole-mounting system for when it is used attached to a socket-equipped BASSBOSS subwoofer or on a similarly equipped tripod stand. An adjustable mount bracket is also available for alternative placements and for permanent installations on walls or ceilings.

As a main speaker, the DiaMon 112 can be used with two double 18" subwoofers and deliver all the mid-high you need to keep up with them. As a DJ monitor it provides tight, punchy performance and doesn't distort at high levels. As a live reinforcement speaker, this versatile box provides consistent sound quality over a wide dispersion pattern with excellent resistance to feedback.

DIAMON 112^{12"} Powered Top

SPECIFICATIONS

Acoustical

Loudspeaker Description:	12 inch co-axial, bi-amplified, self-powered Top
Frequency Response (±3 dB):	80 – 18,000 Hz
Maximum Sustained Output:	123 dB SPL, 1m, 2pi, half-space
Max SPL (Peak)*	133 dB
Nominal Dispersion (H° x V°):	80 x 80 (Conical)

Electrical

Amplification:	1500 Watt 2 Channel Powersoft Class D Amplifier
Processing:	Integrated comprehensive including high-pass, low-pass, parametric EQ, phase alignment and limiting
Electrical Connectors, Amplifier:	Neutrik powerCON Input (Blue) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15 (Edison), NEMA 5-15 (Edison) or powerCON loop through jumper for use above subwoofer on request
Voltage Operating Range:	90-250V. Auto-sensing, auto-switching, PFC universal power supply
Current Draw, Nominal:	432 W, 3.6A @ 120 Volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)
Controls:	Rotary Level Control with adjustment from Off to +12dB, Push-button Preset Select
Display:	LEDs for Power/ready, Signal, Clip and Protect. LED indicating selected preset

Physical

Enclosure Type:	2-way mid-high. Direct radiating vented 12" LF, co-axial horn-loaded HF
Transducer (Low Frequency):	1 x 12" diameter (300 mm) neodymium motor woofer with 3" (76 mm) copper winding voice coil
Transducer (High Frequency):	1 x 3" (76 mm) diaphragm compression driver on 1.4" throat concentrically mounted wave guide
Cabinet Construction:	15 mm Baltic Birch plywood. Equipped with a 35 mm pole socket mount
Dimensions (HxWxD):	14" x 14" x 11.5" (35.56 cm x 35.56 cm x 29.21 cm)
Net Weight:	30.6 lbs. (14 kg)
Shipping Weight:	36 lbs. (16 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	CNC Waterjet cut 1/8 inch aluminum over Black perforated, powder-coated steel
Pole Sockets:	1 (35 mm)

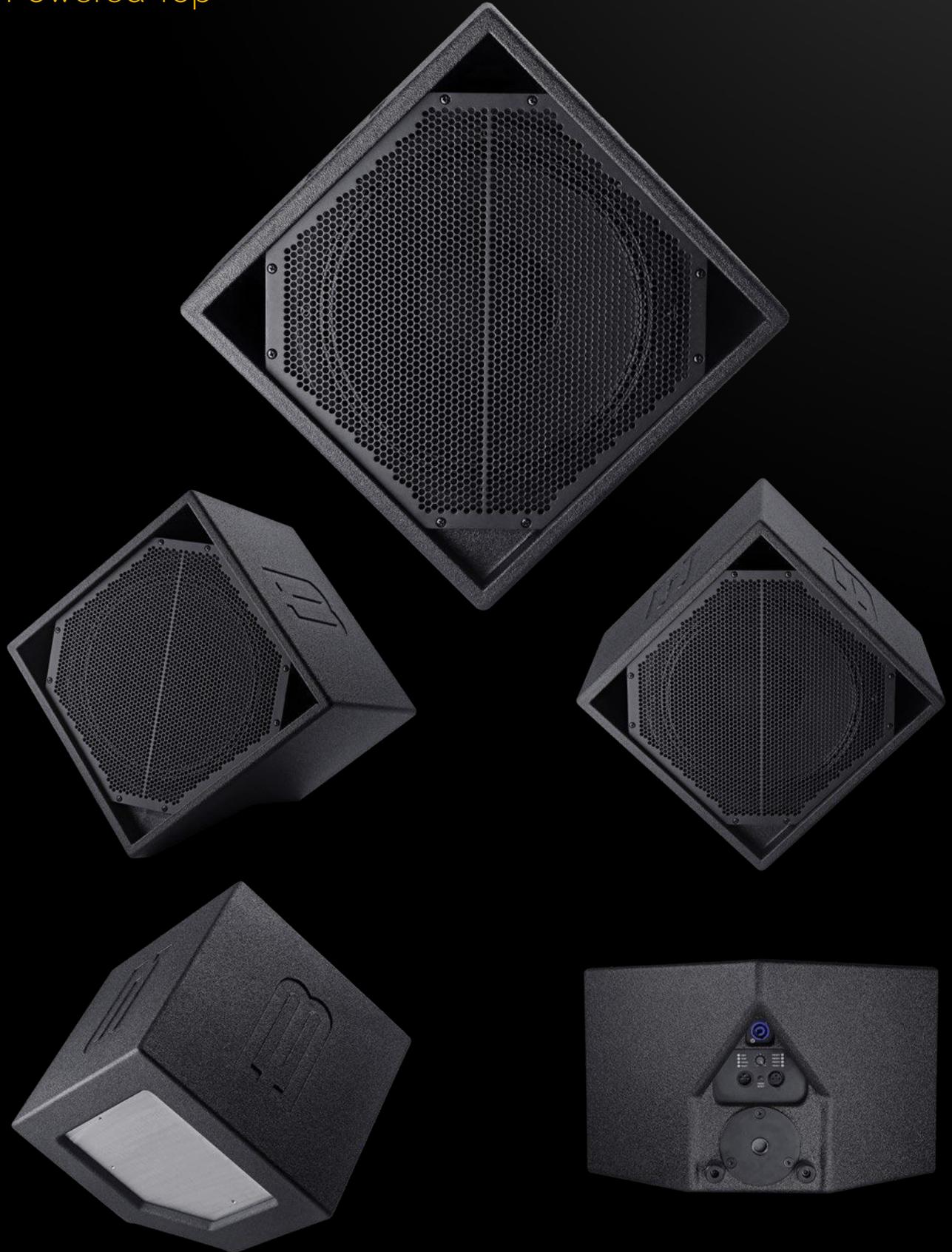
Optional

Pole Options:	35mm ring lock distance rod, adjustable from 39.56" (1005 mm) to 58.46" (1485 mm) – Supports loudspeaker above subwoofer equipped with pole socket
Stand:	Tripod Stand – Supports loudspeaker from ground
Mounting Brackets:	Wall, Ceiling and Desk Mount options
Covers:	Heavy-duty padded nylon transport cover with carrying handles
Online Information:	bassboss.com/diamon112

**Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.*

DIAMON 112

12" Powered Top





**Need more assistance?
Support is available via phone or email.**



family@bassboss.com



855-822-7770 toll free



www.bassboss.com

