

DV 12 POWERED MICROMAIN

- High Fidelity, High Output, High SPL
- Exceptional Sound Quality
- Ultra-Wide Horizontal Coverage
- Broad Frequency Range, Long Throw
- Line-Array Performance from Pairs
- 3000 W Class D Powersoft Amp

Introducing the BASSBOSS DV12 Powered MicroMain. This new 12" top delivers ground-breaking performance with full range response down to 45Hz (± 3 dB) and sustained output to 126 dB SPL. 3000 Watts of Powersoft amplification provides extraordinary dynamic power and crystal-clear sound.

The DV12 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 a temperature-controlled fan to ensure consistent operation under even the most extreme conditions.

The DV12 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 45Hz (-3 dB) The other presets allow the DV12 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 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 tops will always play in harmony.

The cabinet is made in the USA from premium selected 15mm Baltic Birch and weighs only 49 lbs. 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 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 two handles. The amplifier is recessed from the back of the cabinet to protect it in transit. A perforated steel grill protects the woofer but 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 per side, the DV12's 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 DV12s 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.

ACOUSTICAL

Loudspeaker Description:	Wide dispersion compact full-range speaker
Frequency Response (± 3 dB):	45 - 19,000 Hz
Maximum Sustained Output (Full-Range):	120 dB SPL, 1m, 2pi, half-space
Maximum Sustained Output (Satellite-Mode):	126 dB SPL, 1m, 2pi, half-space
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, horn-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 on isophasic wave guide
Cabinet Construction:	15 mm Baltic Birch plywood. Equipped with 2 handles. Includes 4 internally braced fly points and a 35mm pole socket mount
Suspension Points:	8 x 3/8" - 16 TPI 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:	49 lbs. (28 kg)
Shipping Weight:	58 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
Shoulder Eye Bolts:	For use when flying cabinets vertically
Side-pull anchors:	For use when flying 2 cabinets connected by Stacking Bracket
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

RESPONSE GRAPH



*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.

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