



SV9-MK3

9" Powered  
Loudspeaker



**CUTSHEET**



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## OVERVIEW

The SV9-MK3 is a studio-reference quality monitor that can venture outside the studio thanks to a rugged finish, handles, grilles and a substantial amount of power. The result is a very compact and portable system for those who demand premium quality and impressive output without large sized, heavy and obtrusive cabinets.

The compact, high fidelity and high output SV9-MK3 continues the BASSBOSS tradition of delivering remarkable bass performance and outstanding sound quality. In terms of output SPL and frequency response, the SV9-MK3 compares to much larger loudspeakers. 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 while remaining easily portable. The 9" woofer features a large voice coil, providing high power-handling, and a rubber surround for extended low-frequency response. The port has a large area to keep air velocity low, and its exit is clear of the grille to ensure minimal air-flow noise.

The low and midrange frequencies are delivered by a custom developed, carbon-fiber cone, 9" Neodymium LF driver. The 2.5" voice-coil offers high power handling and provides large displacement for increased LF output. The ultra-light carbon-fiber cone provides high sensitivity, with its rigidity contributing detailed resolution.

The high frequencies are delivered by a 1.4" voice-coil polyester diaphragm compression driver through a 1" throat horn with a 90 x 60 degree coverage pattern. The polyester diaphragm provides smooth response without the ringing and resulting harshness that can characterize metal diaphragms. The horn is deliberately placed clear of the grille and flush with the front of the cabinet in order to avoid reflections that would tend to blur imaging or otherwise interfere with smooth high-frequency response.

The amplifier offers abundant headroom. The proprietary BASSBOSS processing ensures exceptional sound quality and reliability. The cabinet construction, design, and premium components all contribute to the rich, smooth, sound.

The SV9-MK3 is suitable for use as a studio monitor thanks to its flat frequency response and premium quality, high-fidelity electronics. Its ultra-low noise CODECS, 96kHz sampling rate processor and high-resolution amplification are on par with the finest studio monitors in the industry.

What sets it apart from most compact monitors is the power it provides. The amplifier power, along with the processing power, allow it to be used at higher levels than you would dare with an ordinary studio monitor. Now you can take your studio-quality sound with you when you leave the studio.

The amplifier features a Class D SMPS with PFC, providing two channels, 900W LF and 300W HF. Eight on-board presets allow for a variety of configurations at the touch of a button, and LAN connectivity allows access to virtually unlimited preset combinations. On-board presets provide a variety of high-pass filters to suit full-range operation through a variety of settings that maximize SPL when used with a subwoofer.

With an enclosure that is just 18" x 10" x 15" and a mere 27. pounds, smaller events can be covered with ease. The Birch wood cabinet features integrated handles, a 35mm steel pole socket, and is finished in durable, high-pressure polyurea coating.

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.

# Specifications

## Acoustical

Loudspeaker Description:	Full-range, 2-way, active monitor. Self-powered and internally processed with presets for full-range and mid-high operation
Frequency Response ( $\pm 3$ dB):	50Hz - 19kHz (Full Range)
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:	Class D, 1200 W, 2 Channels
DSP:	Integrated comprehensive DSP provides all necessary high-pass and low pass filters, equalization, phase alignment and limiting
Electrical Connectors, Amp:	Neutrik powerCON True 1 TOP input and pass-through
Electrical Connector, Mains:	NEMA5-15 (Edison) standard 3-pin grounded plug
Voltage Operating Range:	100 - 240V Auto-sensing, auto switching
Current Draw, Nominal:	1.4A average with music
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M pass-through only

## Physical

Enclosure Type:	Birch wood enclosure - Vented direct radiating low-frequency section and horn-loaded high-frequency section
Transducer, LF:	1 x 9 in. diameter (220 mm) neodymium motor woofers with 2.5 in. (64mm) copper voice coil
Transducer, HF:	1.4 in. (36mm) diaphragm compression driver on 1 in. throat 90 x 60 degree horn
Cabinet Construction:	15 mm Birch plywood. Dado joinery. Equipped with 2 handles and a 35mm steel pole socket
Dimensions (HxWxD):	18 in. (45.7cm) x 10 in. (25.4 cm) (7 in. rear) (17.78 cm rear) x 15 in. (38.1 cm)
Net Weight:	27.5 lbs (12.8 kg)
Shipping Weight:	31 lbs (14 kg)
Exterior Finish:	Black weatherproof bonded high-pressure polyurea
Grille:	Perforated, powder-coated Steel
Cover/Carrier:	Heavy-duty padded nylon transport cover and carrying bag
Online Information:	<a href="http://bassboss.com/sv9">bassboss.com/sv9</a>

\*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 SPL" ratings, which reflect actual measured output levels.

Our proactive philosophy causes specifications to be subject to change whenever improvements are made.

# Pre-Installed Onboard Presets

**High-pass and low-pass filters with included phase compensation.**

### **Preset 1: 45Hz high-pass filter**

Recommended for use when no sub is available.

Peak output is restricted to prevent low frequencies damaging the loudspeaker.

**Preset 2:** 55Hz high-pass

**Preset 3:** 65Hz high-pass

**Preset 4:** 75Hz high-pass

**Preset 5:** 85Hz high-pass

**Preset 6:** 95Hz high-pass

**Preset 7:** 105Hz high-pass

**Preset 8:** 115Hz high-pass

With their levels matched, when the low-pass filter frequency selected on the subwoofer is matched with the high-pass filter frequency selected on the Top cabinet, the smoothest frequency response should be achieved.



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