



CUTSHEET



BB15-MK3

Single 15"
Powered Subwoofer



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Overview

BASSBOSS continues to push the envelope of design for mobile-optimized subwoofers. The BB15-MK3 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 that delivers superior sound quality, the BB15-MK3 offers remarkably deep bass for its size. Plug-and-Play ease of use is facilitated by an integrated DSP while a 2500 watt amplifier and a 4.5" coil Neo woofer make the compact, lightweight design extremely effective. Although only 21" x 17" x 24" and 71lbs, its output SPL and low-frequency extension capabilities exceed many much bigger boxes.

For DJs and venues seeking high levels in tight spaces, the BB15-MK3 is the smallest, lightest and most effective solution available. Perfectly capable of providing high SPL starting from 40Hz, there's barely any event this little box can't do. When you want the biggest output from the smallest sub, the BB15-MK3 is what you want.

The BB15-MK3 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 large port. The amplifier is loaded at the interior port end to utilize the air flow at high output for additional cooling.

The BB15-MK3 features a 2500W amplifier with an auto-sensing, globally compatible power supply that can run on mains supplies anywhere between 90 and 250 Volts. Full output power is available on anything over 110V. The amplifier's high peak-output voltage provides

for intense high SPL hits while its sustained output is unparalleled in its ability to deliver the liquid lows. The amplifier is passively cooled via its external heat-sink and by woofer-generated air-flow through the port. When necessary, two blower-fans will engage to provide additional forced-air cooling capacity in more extreme conditions.

New to the MK3 are Neutrik powerCON True 1 TOP (Total Outdoor Protection) waterproof mains connectors. Waterproof mains connectors, along with a totally isolated input connection section and cones that are waterproofed, make the MK3 series the powered loudspeakers that can be used outdoors without fear of what the weather will bring, or used indoors without fear of what the parties bring.

Electrical power is converted into the much more desirable acoustical power by a robust, neodymium motor, 15-inch woofer with a massive 4.5 inch (115mm) copper-wound voice coil. Neodymium magnets are lighter, and their higher intensity provides higher efficiency, so the result is a lighter and louder cabinet than those with ferrite drivers.

The MK3 features an all-new DSP. The comprehensive suite of processing includes high-pass and low-pass filters as well as multiple protection systems and limiters to prevent driver overload in as many ways as possible, including thermal, excursion and clipping. The five levels of protection actively prevent overheating of the voice coil, minimize long-term thermal compression and limit excursion. Because they operate in 5 different modes, the limiters are sophisticated enough to have a largely unnoticeable effect on the transient response and allow the subwoofer to deliver peak output safely.

The new DSP features an Ethernet interface. This can be used to control the cabinets from a computer or to load software or firmware updates. The ethernet connectivity in conjunction with the DSP board allows signal to be sent via Milan AVB. Firmware updates will provide access to this feature.

Within the software, multiple cabinets can be grouped together, allowing them to respond to commands simultaneously. This permits the levels of multiple loudspeakers to be adjusted together and yet independently from the levels of other groups of loudspeakers. In addition to individual and grouped level controls, presets can be loaded and signal levels and temperatures can be monitored. Each cabinet includes a two-port switch so multiple cabinets can be chained on the same data cable.

The MK3 DSP features storage capacity of up to 100 presets, eight of which can be accessed at the touch of a button with no need for a connected computer. The eight directly accessible presets are compatible with all the presets in the MK3 Top Boxes and are also compatible with previous generation tops and subs.

Specifications

Acoustical

Loudspeaker Description:	Subwoofer, single 15" direct-radiating powered and processed
Frequency Response (± 3 dB):	40 - 115 Hz (Preset dependent)
Maximum Measured Output:	127 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak):	130 dB
Nominal Dispersion ($H^\circ \times V^\circ$):	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification:	2500 Watt Class D Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connectors, Amp:	Neutrik powerCON True 1 TOP waterproof connectors
Electrical Connector, Mains:	Standard US 3-pin grounding 120V electrical plug: NEMA 5-15
Voltage Operating Range:	100-240V AC, 50-60Hz (Auto-sensing, auto switching universal supply)
Current Draw, Nominal:	4.6A @ 120 Volts, 2.3A @ 240 Volts (Average with music content)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (Direct pass-through, unprocessed)
LAN Connectors:	EtherCON RJ45 (x2) with 2-port Ethernet switch

Physical

Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for high sensitivity at low frequencies
Transducer:	1 x 15 in. diameter (380mm) Neodymium motor woofer with 4.5 in. (115mm) voice coil, waterproof cone
Cabinet Construction:	CNC machined 15mm Birch plywood, extensively braced with dado and Rabbet joinery
Dimensions (HxWxD):	20.5 in (521mm) x17 in (430mm) x 24 in (610mm)
Net Weight:	72 lbs. (32 kg)
Shipping Weight:	85 lbs. (38 kg)
Exterior Finish:	Weatherproof bonded high-pressure polyurea
Grille:	Perforated, powder-coated steel
Pole Sockets:	1 (35 mm)
Handles:	2 Integrated handles
Feet:	4 rubber feet

Optional

Cover:	Heavy-duty padded nylon transport covers for 1 cabinet
Transport:	4 locking casters can be attached to points on the rear of the cabinet
Online Information:	bassboss.com/bb15

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 - 40 Hz - 70 Hz

Preset 2 - 40 Hz - 80 Hz

Preset 3 - 40 Hz - 90 Hz

Preset 4 - 40 Hz - 100 Hz

Preset 5 - 40 Hz - 110 Hz

Preset 6 - 40 Hz - 120 Hz

Preset 7 - 45 Hz - 120 Hz (Vinyl/Good Neighbor Mode)*

Preset 8 - Cardioid Mode (Use only when cabinet is facing away from audience)**

*Preset 7 raises the high-pass filter to 30 Hz, reducing the level of the deepest bass notes. This provides an option to keep operators out of trouble with neighbors, venue owners or local authorities in the event of noise complaints.

**Preset 8 is the Cardioid mode setting. More information on using Cardioid Mode can be found in the Manual.

Additional presets are accessible through software. See "How to Use the Presets" section for more information.

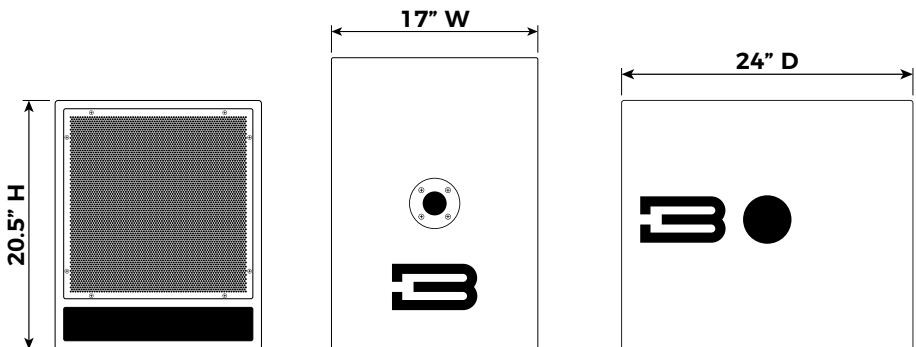
New presets will be available for download at bassboss.com/software as they are developed.

To be notified when new presets are released register your gear at: www.bassboss.com/support

Instructions on linking to your computer for remote monitoring and control: www.bassboss.com/software

Information and setup tips about how to get the best and most out of your system:

bassboss.com/edu



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Need more assistance?
We're here to help.

bassboss.com/support