



CUT SHEET



BB 15-MK3

Single 15"
Powered Subwoofer

Overview

BASSBOSS continues to push the envelope of design for the “most bass out of the least space” mobile-optimized subwoofers. The compact size and excellent output-to-price ratio of the BB15-MK3 were designed for gigging DJs, home studio bass-heads, or venue owners with limited floor area.

A powerful, easily portable system that delivers superior sound quality, the BB15-MK3 offers remarkably deep bass for its size. An integrated DSP facilitates plug-and-play ease of use while a 2500-watt amplifier and a 4.5” coil neodymium woofer make the compact, lightweight design extremely effective at rockin’ the house. Although only 21” x 17” x 24” and 71 lbs, its output SPL and low-frequency extension capabilities exceed many larger subs.

The BB15-MK3 is the smallest, lightest, and most effective solution for DJs and venues seeking high levels in tight spaces. 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 cab, the BB15-MK3 is your go-to sub.

The BB15-MK3 is a single 15-inch direct-radiating subwoofer featuring a long excursion 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 airflow 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 between 90 and 250 Volts. Full output power is available over 110 Volts. The amplifier’s high peak-output voltage provides for intense high SPL hits, and its sustained output is unparalleled in its ability to deliver the punchy 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.

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 increased efficiency, resulting in a lighter and louder cabinet than those with ferrite drivers.

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

The MK3 features an all-new DSP with a comprehensive suite of processing including 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 settings updates. 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 as well as 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 a 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 products and are also phase compatible with previous generation tops and subs.

Specifications

Acoustical

Loudspeaker Description	Single 15" Self-Powered Vented Direct-Radiating Subwoofer
Frequency Response (± 3 dB)	40-115Hz
Maximum Measured Output	127 dB 1m (half-space)
Max SPL (Peak)	130 dB 1m (half-space)
Nominal Dispersion (H° x V°)	360 x 360 - Cardioid mode available with multiple boxes

Electrical

Amplification	2500 Watt Class D Amplifier
Processing	Integrated comprehensive DSP. 96kHz sampling rate with 8 pushbutton presets. All presets include high pass filters, low pass filters, phase alignment, equalization and multi-stage limiting. Storage capacity for up to 100 presets

Electrical Input Connector, Amp	Neutrik powerCON True 1 TOP IP65 rated waterproof connectors with pass-through outlet to connect additional loudspeakers. Inlet capacity limited to 15A or 1800W @ 120V total. Do not exceed the inlet capacity.
Electrical Outlet Connector, Amp	Neutrik powerCON True 1 female. Outlet capacity is limited to 10A or 1200W. Do not exceed the total capacity of the inlet connector.
Electrical Connector Mains	Standard US 3-pin grounding 120V electrical plug: NEMA 5-15 (Edison)
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	CNC machined 15mm multi-ply Birch laminate with extensive bracing and dado joinery
Transducer	1 x 15 in. diameter (380mm) Neodymium motor woofer with 4.5 in. (115mm) voice coil
Cabinet Construction	CNC machined 15mm Birch plywood with extensive bracing and dado joinery. 2 integrated handles. 1 x 35mm steel pole socket. 4 rubber feet. 16 T-nuts and bolts for mounting optional casters
Dimensions (HxWxD)	20.5 in (521mm) x 17 in (430mm) x 24 in (610mm) (21.25 in. high with feet)
Net Weight	72 lbs. (32 kg)
Shipping Weight	85 lbs. (38 kg)
Exterior Finish	High-pressure, waterproof. bonded polyurea coating in textured black
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
What's Included	Loudspeaker, 15' (5m) Power Cable, Manual, Warranty Card
Dollies	Set of 4 Casters to bolt directly onto the back of the cabinet

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	40 Hz - 100 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 45 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 the ControlBASS software. See "How to Use the Presets" section in the manual for more information.

In order to achieve the flattest and smoothest frequency response, you should match the levels of your BASSBOSS subs and tops, and the low-pass filter frequency selected on the Subwoofer(s) should be closely matched to the high-pass filter frequency selected on the Top(s).

On the other hand, if you like your system to be bass-heavy, and you plan to turn your subs up louder than your tops, you may want to choose a preset on the tops with a high-pass frequency that's slightly above the frequency chosen on the subs. This will reduce the chance of an output peak in the crossover/overlap range and will allow slightly more output SPL from the tops.

IMPORTANT - Update NOW!

ControlBASS + Settings

For improved performance and stability, update your settings immediately upon receipt of your new gear!

Major new updates are available.

Download new settings updates and the ControlBASS app at bassboss.com/software

Instructions on using the software, linking to your computer for remote monitoring and control and updating the settings files will be provided when you sign up!

Register your gear
bassboss.com/support

For more information and setup tips on how to get the best and most out of your system check out the Knowledge BASS help.bassboss.com

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**Need more assistance?
We're here to help.**

help.bassboss.com