

CUTSHEET



SSP118-MK3

Single 18"
Powered Subwoofer



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Overview

The SSP118-MK3 Single 18" 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-MK3 does so in about half the space and considerably less weight. This is a very practical consideration from both a size and cost point of view.

If you're a Mobile Professional who strives to provide superior sound quality, the SSP118-MK3 allows you to deliver premium service using less equipment and with less labor. With two SSP118-MK3 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.

The cabinets are constructed from 18mm marine-grade Birch plywood. The cabinet is extensively braced and construction features dado and rabbet joinery throughout, so all seams are interlocked and the cabinet is ultra-rigid. The cabinet is finished in an extremely rugged, black polyurea coating and the driver is protected by a black, powder-coated, perforated steel grille.

The SSP118-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 ports. 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 partiers bring.)

Electrical power is converted into the much more desirable acoustical power by a very robust, neodymium motor, 18-inch woofer with a massive 4.5-inch (115mm) 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 a five-stage limiter system 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. Each cabinet includes a two-port switch so multiple cabinets can be chained on the same data cable. 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.

The MK3 DSP features storage capacity for 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 BASSBOSS tops and subs.

Specifications

Acoustical

Description:	Subwoofer, single 18" powered and processed
Frequency Response (± 3 dB):	30 - 100 Hz (Preset dependent)
Maximum Measured Output:	130 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak):	133 dB
Nominal Dispersion ($H^0 \times V^0$):	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 low frequency reponse, with high sensitivity and high power handling
Transducer:	1 x 18" diameter (457 mm) neodymium motor woofer with 4.5 in. (115mm) copper winding voice coil
Cabinet Construction:	CNC machined 18 mm Birch plywood with dado and Rabbet joinery
Dimensions (HxWxD):	22.5 in. x 30 in. x 24 in. (23.25 in. high with feet)
Net Weight:	125 lbs. (82 kg)
Shipping Weight:	140 lbs. (104 kg)
Exterior Finish:	Weatherproof bonded high-pressure polyurea
Grille:	Perforated, powder-coated steel
Pole Sockets:	1 (35 mm) steel
Handles:	4 Integrated handles
Feet:	4 interlocking rubber feet
Suspension System:	8 X M10 threaded flypoints

Optional

Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet
Cover:	Heavy-duty padded nylon transport cover for 1 cabinet
Online Information:	bassboss.com/ssp118

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 - 30 Hz - 70 Hz

Preset 2 - 30 Hz - 75 Hz

Preset 3 - 30 Hz - 80 Hz

Preset 4 - 30 Hz - 85 Hz

Preset 5 - 30 Hz - 90 Hz

Preset 6 - 30 Hz - 95 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 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 on the website.

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

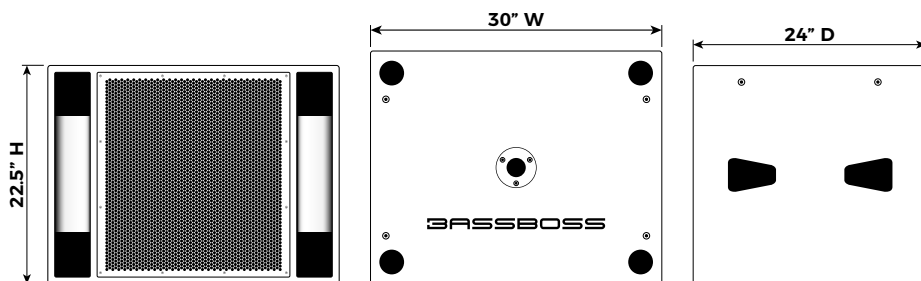
New presets will be available for download at bassboss.com/software as they are developed.

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