



controls

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SmartBox+ Amplifier Preliminary Instructions

The SmartBox+ Amplifiers provide audio amplification in a compact housing ready-made for easy installation to the bottom of your SP Controls SmartBox+ wall mounting (sold separately). Left and Right Gain are independently set with a screw adjustment. Power and left and right clipping are indicated by red LED's. A 120V AC convenience outlet is provided for powering a laptop or other device.

Three models are currently available:

SLB-SBOX+50W-BL (Black) SLB-SBOX+50W-WH (White)	Stereo, 25 Watts per channel @ 8 ohms (or 50 watts per channel at 4 ohms)
SLB-SBOX+100W-BL (Black) SLB-SBOX+100W-WH (White)	Stereo, 100 Watts per channel @ 8 ohms or 4 ohms
SLB-SBOX+70V-BL (Black) SLB-SBOX+70V-WH (White)	Mono, 100 Watts @ 70 volt output

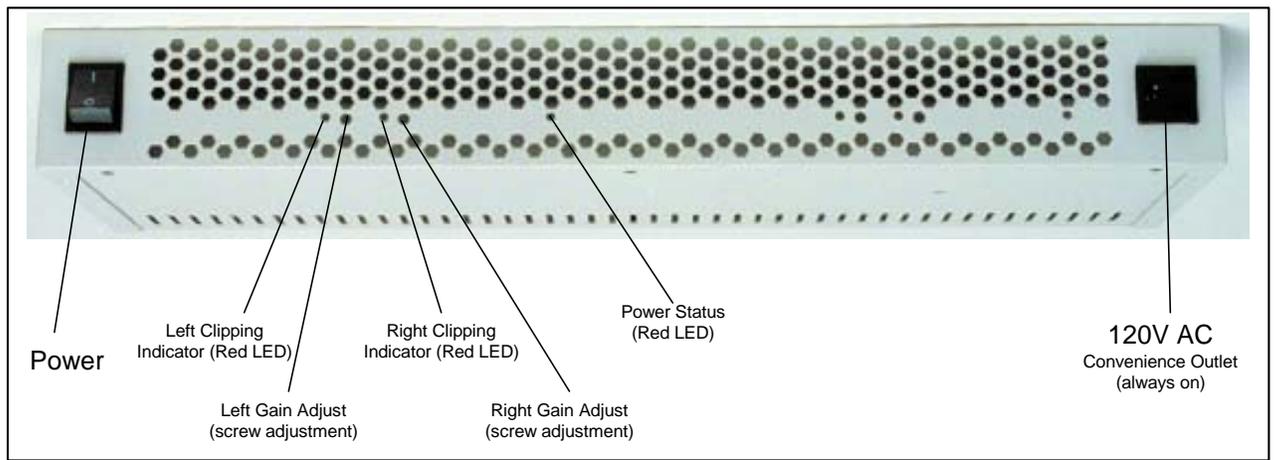
Installation

The SmartBox+ Amplifier should be attached to the SmartBox+ in the final stages of assembly of the SmartBox+. The SmartBox+ should be fully assembled with the exception of the two side panels covering the wiring.

The top cover of the SmartBox+ Amp should be attached to the bottom of the SmartBox+ with the 4 Philips pan head screws and washers (provided). Screw down from the SmartBox+ into the four screw holes to attach to the four screw holes in the lid of the SmartBox+ Amp.

Once the SmartBox+ Amp is connected to the SmartBox+, you are ready to make the necessary audio connections. The audio input connection is pre-terminated with a 5-position terminal block connector for easy connection to the SP Controls AFVP+ Preamp Switcher (SP3-AFVP+). The audio out to the speakers are called out below in *Technical Specifications*. Connect audio out to your speaker wire with the wire nuts provided. All wires should be routed up along the open sides of the SmartBox+ before the sides are attached. Power should be routed up one side and speaker/line level on the other.

The final step of installation is to complete assembly of the SmartBox+ by reattaching the left and right sides of the unit. The bottom front corners of the SmartBox+ sides are cut with two screw holes to secure the sides of the SmartBox+ which cover the wiring. Instead of using the short screws included with the SmartBox+, use the two long screws included with the SmartBox+ Amp. They should screw up through the front corners of the SmartBox+ Amp and into the bottom of the side panels of the SmartBox+ to secure the sides.



Specifications

Specs

Frequency Response +/- 0.5dB	20Hz-20kHz
Bandwidth -3dB	5Hz-100kHz
Noise (A weighted)	>100dB below full rated output
THD (8 ohms) 20 Hz-20kHz	<.08%
Input Impedance	20Kohms
Input Sensitivity for Rated Output (8ohms)	1v
Slew Rate	30V/microsecond
Damping Factor	>200/8 ohms

Power Requirements

SP2-SBOX+50W and SP2-SBOX+70V	120 AC 100W
SP2-SBOX+100W	120 AC 200W
Power Supply Design	High Speed Switching

Dimensions

Height	2-1/2"
Width	20-3/8"
Depth	6-1/8"
Weight	TBD

Speaker Connections

White	Left Chn +
Green	Left Chn -
Red	Right Chn +
Black	Right Chn -

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 12) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARRANTY

SP Controls warrants all SmartAmp products and accessories against defects in materials and workmanship for a period of three years from the date of purchase.

Although SP Controls thoroughly tested and reviewed this documentation, there is no warranty, express or implied, with respect to quality, merchantability, or fitness for a particular purpose. Therefore, the SmartAmp and accessories are provided "as-is" and the purchaser assumes the entire risk as to quality and performance.

There are no obligations or liabilities on the part of the SP Controls Corporation for consequential damages arising out of or in conjunction with the use or performance of these products or other indirect damages with respect to loss of profit, revenue, or cost of removal and/or replacement. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. SP Controls' maximum liability shall not exceed the price paid by the user.

All implied warranties, including warranties for merchantability and/or fitness, are limited in duration to three (3) years from the date of purchase. Proof of purchase must be provided with any claim.

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