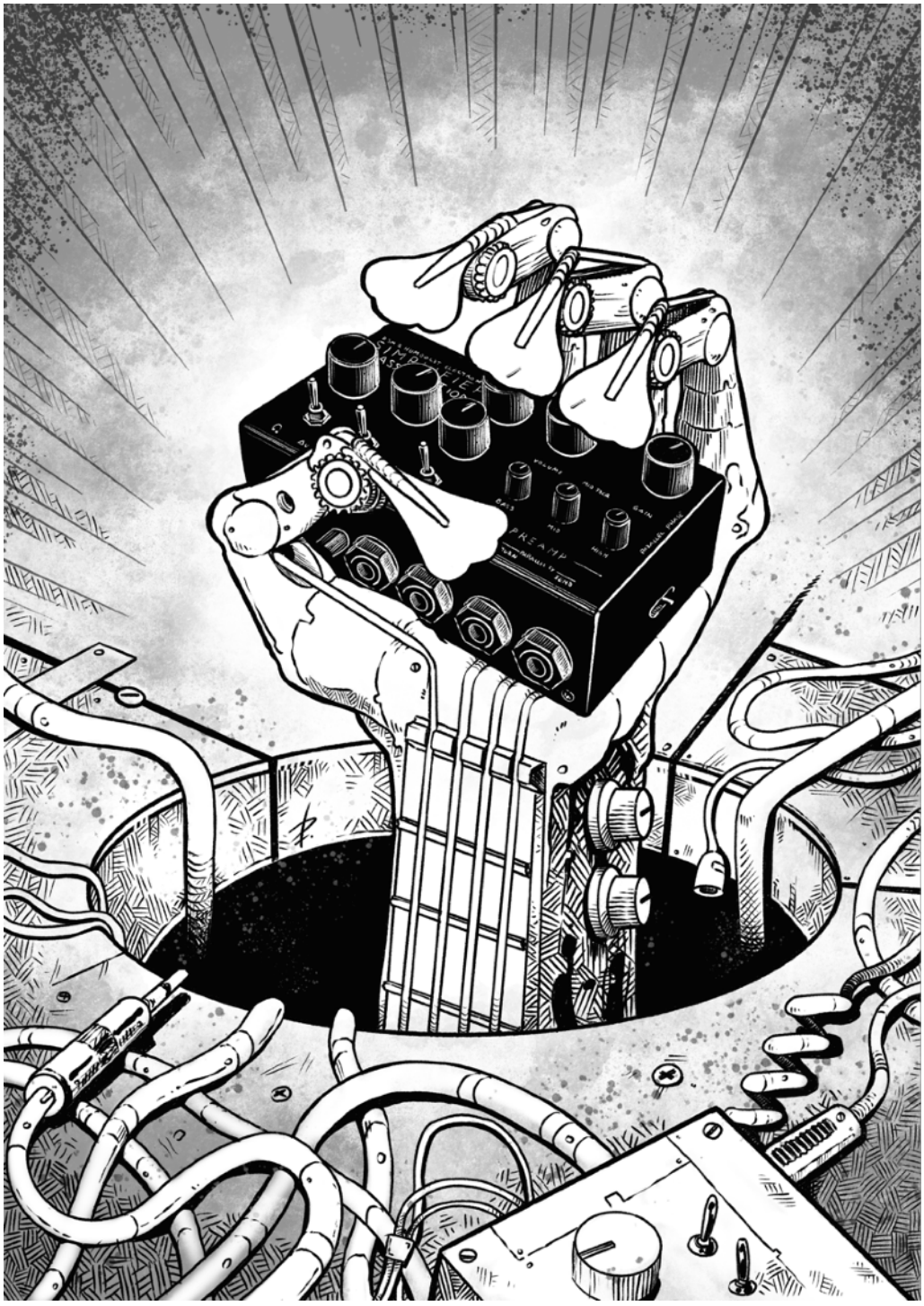

DSM & Humboldt Electronics
SIMPLIFIER BASS STATION
USER MANUAL

Congratulations!
You have now in your hands the most versatile, useful and amazing sounding piece of gear. The first Zero watt stereo bass amplifier that will fit in your pedalboard and replace a full amplifier signal chain, achieving unprecedented analog realism thanks to its mic'd cabinet simulation, dual FX loop, parallel signal chain, and a full featured preamp based on the classic Ampeg SVT(C) amp.

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Powering Up:

Before powering up the unit, turn down the receiving device (PA, interface, headphones, etc) in order to avoid power up “pop”.

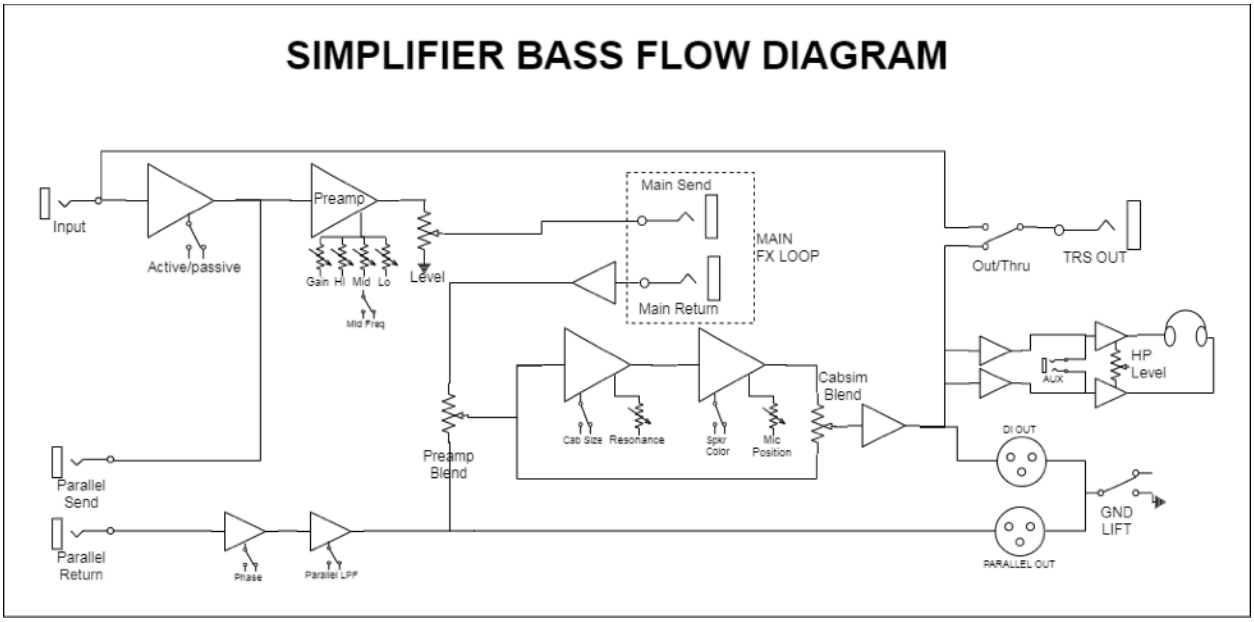
The best way to power up the Simplifier, is to use a 9V REGULATED DC adapter, make sure you are using a clean voltage source and you are not daisy chaining the power supply with high current digital units.

Recommended Power supply:

- The Power supply specs should be:
- 9V to 12V DC voltage
- Regulated (designed for low noise, musical instruments use)
- 80 mA minimum current rating. You can use higher current rating supplies.
- Center negative.

*** DO NOT USE CENTER POSITIVE SUPPLIES, IT MAY DAMAGE THE UNIT AND IT WILL NOT BE COVERED BY WARRANTY. PLEASE MAKE SURE THE POLARITY IS CORRECT BEFORE POWERING UP.**

Connections



- **Input Jack**: Connect the bass here.
- **Parallel FX Send:** The parallel fx send output comes from the input, before the preamp. Put the effects you want to use with the “clean” signal chain here.
- **Parallel FX Return:** Return from the “clean” signal chain effects.
- **Preamp FX Send**: The preamp FX send comes after the preamp. Put the effects for the preamp side chain here.
- **Preamp FX Return:** Return from the “preamp” signal chain effects.
- **TRS Out:** Carries the main output (preamp + parallel blend) or the input signal (bypass), if selected.
- **DI OUT**: Carries the Main output (preamp + parallel blend) in a balanced signal.
- **DI PARALLEL:** Carries only the parallel signal chain (including the fx loop and LPF)
- **Aux In**: The auxiliary input receives a signal from an mp3 player, phone, or any audio device, and sends the signal in stereo to the headphone out. The aux signal will not sound through the regular outputs. Perfect for monitoring or late night practice.
- **Headphone out:** Connect your headphones here.

Controls and Switches:

Preamp Section:

Gain: Sets the gain of the preamp. It will produce a sweet SVT overdrive if set above 70%.
Level: Sets the preamp master volume level.

Mid Select: Selects between 400Hz, 900Hz or 1500Hz for the mid control.

High: Controls the high frequency band, +- 15dB @ 3.5kHz , shelving.
Mids: Controls the mid band, -+ 15dB, bandpass, frequency according to the mid freq switch.
Lows: Controls the low end frequencies, +- 15dB @ 80Hz, shelving.

Blend Section:

After the preamp, the signal from the parallel signal chain (which bypasses the preamp and has its own fx loop) can be blended back into the main signal. Also, the Cabinet Simulation can be blended in or out, for different textures and low end responses.

Preamp Blend: Blends the preamp signal and the parallel signal into the main signal. Start with this control at 100% and then blend in the parallel signal until you get the desired mix.

Cabsim Blend: Blends the Cabsim in and out of the main signal.

Parallel LPF: 3 way toggle switch that enables a 2-pole LPF affecting the parallel signal.
response of classic tube types:
100Hz: Deep low end preserved, and any harmonic content is filtered out.
OFF: LPF disabled.
500Hz: Deep low end, and low-mids preserved in the parallel signal chain.

Cabsim:

MIC POSITION: Controls that responds like a real **CENTER/OFF AXIS** microphone position adjusting the precise amount of high-end roll off you look for. As usual with real mics and speakers, placing the MIC outside the center works best for distorted tones, and cleans sound best near the center.

Cab Size Switch:

4x10 Vented: A modern standard with extended flat low end response and bright drivers.
8x10 Sealed : Huge sounding resonant low end cabinet with modern speakers.
1x15 Vented : Warm and well rounded, with extended low end, but the highs are creamier and less piercing.

Speaker color Switch:

Bright: Aluminum cone speakers with their particular mid high bite.
Modern: Flatter response with extra highs and lows
Warm: Vintage speaker with clearer mid response and smoother highs.

Other Switches and Controls:

PHASE CONTROL: Some pedals invert the phase of the signal, this causes signal cancellation on certain frequencies, or even total cancellation if the preamp is flat and the parallel-preamp blend is 50%. Adjust if necessary.

GND LIFT: Disconnects the ground connection from the XLR out. Use in case you are getting hum problems when connecting to an external device.

Headphone Level: Controls the volume on the headphone output.

Active/passive: Adjust this if you have a very hot bass and need to lower the gain (active), or compensate for a low level bass signal with a slight 6dB boost (Passive).

Headphone Level: Controls the volume on the headphone output.

Technical Specs

Current consumption: 50mA to 100mA (if Headphone out is used)
Supply voltage: 9V - 12V
Polarity: Center negative
Input impedance: 1 Meg Ohm
TRS output impedance: 100 Ohm
DI Output impedance: 120 Ohm
Send output impedance 100 Ohm
Return Input Impedance: 1 Meg ohm
Headphone Power : 120mW @ 32 Ohm

Dimensions:

Width : 115 mm (4.53 in) /
Height: 65 mm (2.55 in)
Depth: 55 mm (2.16 in)
Weight: 430 g (0.94 lb)

EMI and EMC emissions:

The manufacturer claims that the above product fulfills the requirements as set by EN55013, EN55020, EN60555-2, EN60555-3, RoHS, WEEE. EMC / EMI This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

· Reorient or relocate the receiving antenna.

· Increase the separation between the equipment and receiver.

· Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for help

Warranty:

All of our products have a 2 year warranty covering production defects or malfunctions. If you have any issue with your unit, please contact your dealer or contact us at support@simplifieramp.com