

AMP SELECTOR ABY

User's Manual

Please register your Voodoo Lab product at voodoolab.com/register

INTRODUCTION

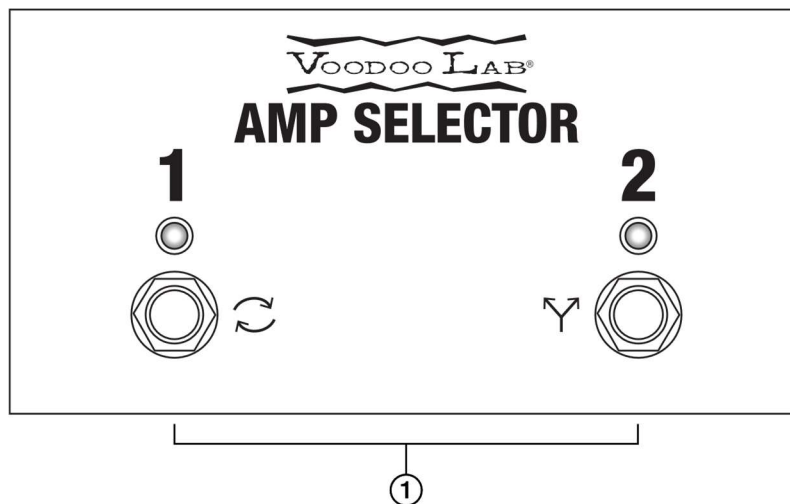
The Voodoo Lab Amp Selector ABY is designed for pristine tone and zero noise. It uses custom-made isolation transformers featuring permalloy nickel cores to deliver exceptional frequency response and clarity. Ground lifts on each output eliminate the hum that plagues dual-amp setups.

You can run two amps simultaneously, split to an amp and modeler, and send a clean DI to your DAW for reamping. Independent level and phase controls let you blend mismatched gear instantly. A studio-grade buffer preserves your tone with long cable runs.

Amp Selector ABY offers three different switching modes so you can route your signal as easily as possible. Silent switching eliminates pops and clicks, while the Thru output sends your signal to a tuner or recording interface simultaneously. Amp Selector ABY runs on any isolated 9VDC power supply.

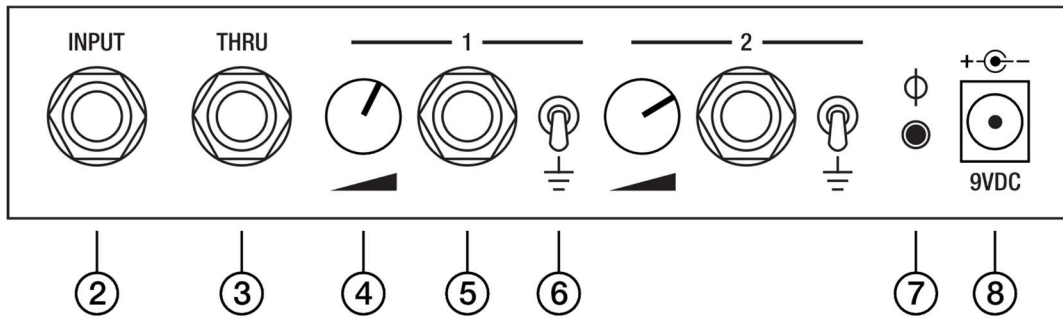
OVERVIEW

Top Panel



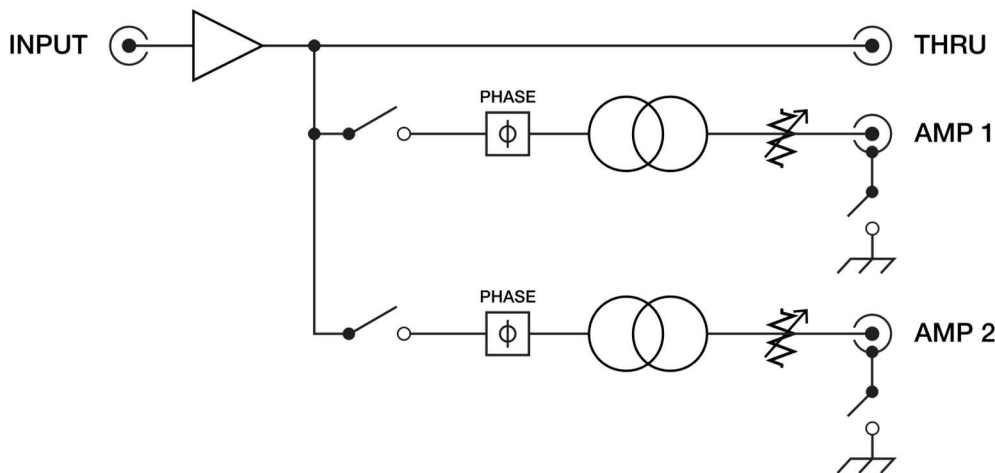
1. Footswitches: Turn outputs on or off. LEDs light when outputs are active.

Rear Panel



2. Input: Connect from guitar or pedalboard.
3. Buffered Thru: Always on. Connect to tuner, DI box, or recording interface.
4. Level Controls: Adjust output levels to balance amps. Max is slight boost.
5. Outputs: Connect to amplifier inputs.
6. Ground Lift Switches: Down is normal. Switch up to lift ground if hum or buzz.
7. Phase Invert ϕ : Hold and use footswitches to invert phase.
8. Power: Connect to 9VDC power supply, center negative.

Signal flow diagram



OPERATION

Amp Selector ABY offers three different operating modes to match your needs.

ABY: Button 1 toggles between outputs. Button 2 enables both. One of the LEDs will wink to show which output will be active when you disable both. At any time, pressing both buttons simultaneously will mute the outputs. *This is the default mode.*

Direct Access: Each button toggles its own output on or off.

Exclusive: Only one output can be active at a time. Pressing either button turns on that output and turns off the other. Pressing the active amp button turns both outputs off.

Selecting Your Operating Mode

1. Connect power while holding button 1.
2. Release the button when the LEDs flash.
3. Press button 1 until the LEDs indicate the desired mode.
4. Remove power to save and exit.

Each time you power on Amp Selector ABY, the LEDs will flash briefly to show the selected operating mode.

Mode	LED 1	LED 2
ABY	ON	OFF
Direct Access	OFF	ON
Exclusive	ON	ON

Fixing Hum and Buzz: Ground Lift Switches

Guitar equipment can have multiple ground connections through the audio cables, power source, and connections to other equipment. When this causes unwanted electrical current to flow, the result can be hum or buzz. This is commonly referred to as a *ground loop*.

Amp Selector ABY includes isolation transformers and ground lift switches for each output. This allows you to isolate the grounds as needed to eliminate the noise.

Always start with the switches in the down position. Moving a switch to the up position will isolate ground for that output. If you hear hum or buzz, isolate the grounds one at a time until your rig is quiet.

Fixing Thin or Hollow Tone: Using Phase Invert

When you listen to multiple audio sources combined, they may sound thin or hollow. This happens when they are out of phase with each other. Phase refers to the polarity of the signals. When two amplifiers are out of phase, their speakers move in opposite directions and cancel out certain frequencies.

Amp Selector ABY lets you invert the phase of each output independently to fix this problem. The Phase Invert button is marked with the Greek letter phi ϕ . In physics, the symbol ϕ is used to represent phase.

When you press and hold the Phase Invert button, the LEDs show the phase of each output. LED off is normal, where the output phase is the same as the input. Press buttons 1 or 2 while holding the Phase Invert button to turn the LED on and invert the phase. The buffered Thru is always the same phase as the input.

Find the correct phase setting by listening to amps and monitors playing together. Then select normal or inverted for each output until you don't hear them canceling each other.

WARRANTY (North America Only)

Voodoo Lab warrants this product against any defects that are due to faulty material or workmanship for a period of five years from the date of original retail purchase. This warranty does not include damage to the product resulting from accident or misuse.

If the product should become defective within the warranty period, Voodoo Lab will repair it or replace it free of charge, provided it is returned freight prepaid to Voodoo Lab with a valid RMA (return material authorization) number. Return shipping will be paid by Voodoo Lab within the U.S. only.

This warranty shall not apply to any goods that have been repaired or altered by anyone other than the manufacturer. There are no warranties which extend beyond the terms described herein.

Should you experience any difficulty with this Voodoo Lab product, contact us as described below. If it is determined that the product must be returned to the factory for repair, you will be issued an RMA and given shipping and packaging instructions.

Outside North America

Regions outside North America please contact your country's distributor for warranty information.

HOW TO REACH US

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