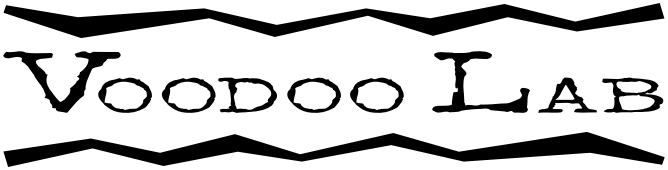


AMP SELECTOR

User's Manual

DIGITAL MUSIC CORPORATION

Please visit our web site at:

www.voodoolab.com

VOODOO LAB AMP SELECTOR

User's Manual

Introduction

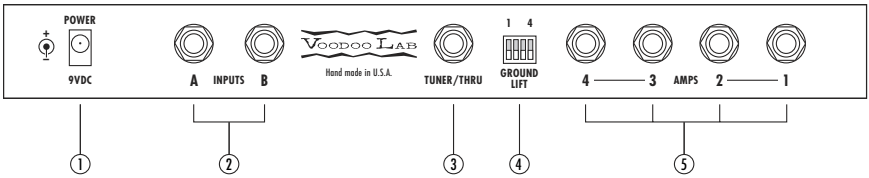
The Voodoo Lab Amp Selector is the ultimate stand-alone tool for switching your guitar into multiple amplifiers. It lets you use up to four amps simultaneously without added hum or loss of tone. You can switch between them or layer them in any combination. The switching is absolutely silent with no clicks or pops. If you play multiple amplifiers, this is what you've been waiting for!

The Amp Selector's unique programmable switching lets you tailor its operation to your own playing style. On/off mode allows you to operate it as four independent on/off controls. Or exclusive mode means that whichever button you select, only that amplifier is active. This permits you to change amps with only a single button press, no need to first turn one off and then another on. You can even use both modes simultaneously to provide one touch control yet still select an additional amp for layering!

Level controls for each output provide a convenient way to balance the volume between amps. There is also second input which if used will split the Amp Selector into two separate A/B/Both functions. This is great for applications using two guitars (electric and acoustic, for example) or a stereo signal path. And we included a tuner out, which gives you an additional output without loading down your guitar's tone. Of course you can use this output to run a tuner, but it can also drive a direct signal to a console or even chain additional Amp Selectors if you need more than four amps.

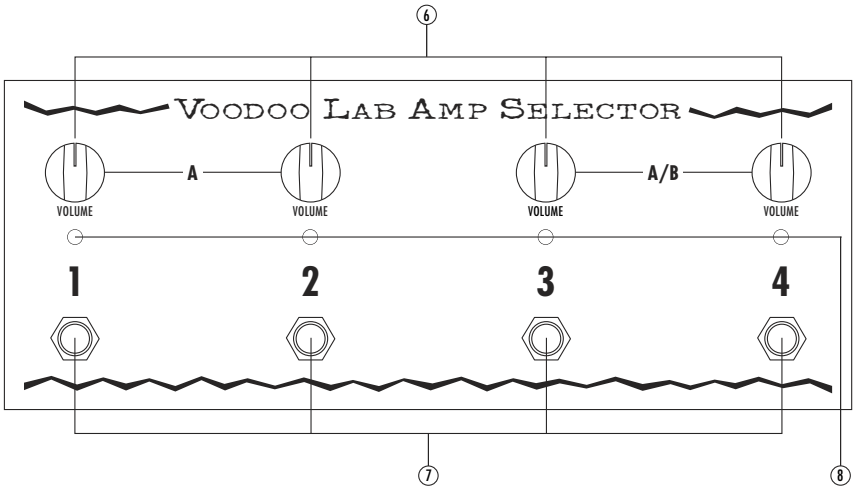
Voodoo Lab provides tone tools for the serious artist and professional player. Your Amp Selector is hand made using the finest possible components and engineered to be rugged, reliable and provide the best possible tone. Enjoy it!

Overview



1. Power: Use 9VDC regulated power supply, center negative.
2. Inputs: Connect from guitar or pedalboard out.
3. Tuner Out: Driven from Input-A for tuner or other slave.
4. Ground Lift Switches: Normally ON to ground amplifier.
5. Amp Outputs: Connect to amplifier inputs.

Note: Plugging into Input-A powers up the Amp Selector. Unplug this cable when not in use to preserve the battery.



6. Level Controls: Control output volume to balance amps.
7. Amp Select Buttons: Turn individual amps on/off.
8. Status LEDs: Illuminates to show active amp.

The Voodoo Lab Amp Selector's inputs drive a pair of ultra transparent buffer amplifiers. These amplifiers input characteristics have been carefully matched to that of a traditional vacuum tube

guitar amp. This insures that your guitar pickups will see the correct load and therefore sound their best. Using a buffer amplifier is what allows us to drive multiple amplifiers and a tuner without excessively loading your guitar and destroying your tone.

Each amplifier output is coupled using a high quality shielded and sealed transformer. Isolating each output with a transformer is what breaks the ground paths between amplifiers. Without this, current would flow through ground loops causing your amps to hum. In addition, we have developed a proprietary matching technique to drive the transformers. By carefully matching impedances and component values we are able to greatly improve the performance of the transformer. The result is a true, super accurate sound without any loss of tight low-end response.

The Tuner output provides a copy of whatever goes into Input-A. This is a non-isolated slave output for a variety of purposes. It is always active regardless of amp switching status. Typical uses would be to drive a tuner, direct out for recording, or to chain additional Amp Selectors.

Individual level controls allow you to conveniently balance volumes of each amp. Normal position is about 3 o'clock. At maximum they will provide a very small amount of boost. Any significant volume changes should be done with the level controls on your amp itself.

In normal operation, the amp select buttons simply toggle each amp output on and off. Check out the Operation section of this manual for programmable switching options.

Connections

Connect the output of your guitar into Input-A of the Amp Selector. If you are using pedal effects in front of the amplifier, then connect from the output of your last pedal into Input-A of the Amp Selector.

Connect Amp Outs 1, 2, 3 and 4 to the inputs of each of your amplifiers.

Initially, set each of the Amp Selector's Ground Lift switches to the ON, position.

If you are going to use two guitars (or the other channel of stereo effects) simultaneously with different amps, you can connect the 2nd guitar into Amp Selector Input-B. If you do this, the Input-A instrument will only access amps 1 and 2, and the Input-B instrument will only access amps 3 and 4.

Power

The Amp Selector can be powered either by its internal 9V battery or an external power source. The battery compartment is on the bottom of the unit. Use a Phillips head screwdriver to remove the single screw holding the battery cover in place.

The external power jack requires a regulated 9VDC power source. The connector polarity must be center negative. The best choice to power your Amp Selector would be with a Voodoo Lab Pedal Power. It will also work fine with other 9VDC regulated adapters such as the Boss PSA.

Powering the Amp Selector on and off is done via the input jack, just like most pedal effects. Insert a cable into Input-A to power on. Remove it to turn the power off. If you are powering the Amp Selector with a battery, always remember to disconnect the Input-A cable to preserve battery life.

Operation

On/off and Exclusive Mode
The default switching method of the Amp Selector is what we call on/off mode. In on/off mode, each of the four buttons 1 through 4 simply toggle the corresponding amp output on and off.

Using on/off mode is a good choice if you want maximum flexibility to switch or layer amps. However, if you only need to select one amp at a time, you can choose exclusive mode. In this mode, each button exclusively selects the corresponding amp. This means that when you select a new amp, you don't need to turn the old one off.

Program

To enter the Amp Selector's programming mode, do the following:

1. Power off the unit by unplugging the cable in Input-A.
2. Press and hold button 1 while powering on by inserting the cable into Input-A.
3. All LEDs will flash to indicate you're now in programming mode.

Now you can select on/off or exclusive mode independently for each output. Pressing each button will toggle the mode:

LED Off = On/off mode
LED On = Exclusive mode

To exit programming mode and return to normal operation, simply power the Amp Selector off by removing the cable in Input-A.

Combining Modes

You may have already noticed that you can set on/off or exclusive mode individually for each output. This allows you to group some outputs together in exclusive mode and still have direct access to layer those set for on/off mode.

Example: Let's say you want to use amps 1, 2 and 3 one at a time (exclusively). And you also have a 4th amp that you want to use for layering. To do this, enter the Amp Selector's programming mode. Set 1, 2 and 3 into exclusive mode by pressing the buttons so that their LEDs are on. Set 4 into on/off mode, its LED will be off. Exit programming mode. That's it!

Ground Problems

You should always start with all of the Amp Selector's Grounds Lift switches in the ON position. This means the output is grounded. If the amp is humming, the first place to look is if there is a two or three position ground switch on the amplifier itself. Try each position of the amp's ground switch to find the least hum. If the amp continues to hum, then try switching the Amp Selector Ground Lift to the OFF position. This now isolates that output. Then try each position on the amp's ground switch again to find the least hum.

If you are still having problems, make sure that all amplifiers are powered from the same power source. Outlets in different parts of a room can have significantly different ground potentials making it more difficult to find settings that are hum free.

Since ground connections in a multi-amp setup can get complicated, you may need to experiment a bit with different combinations of settings to find one which keeps all the amps from humming.

Warranty

Digital Music Corporation 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. This warranty is given to the original purchaser only and it is not assignable to any other person.

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

How to Reach Us

All Voodoo Lab products are manufactured by Digital Music. You can reach us by any of the following:

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