Swiss Things™

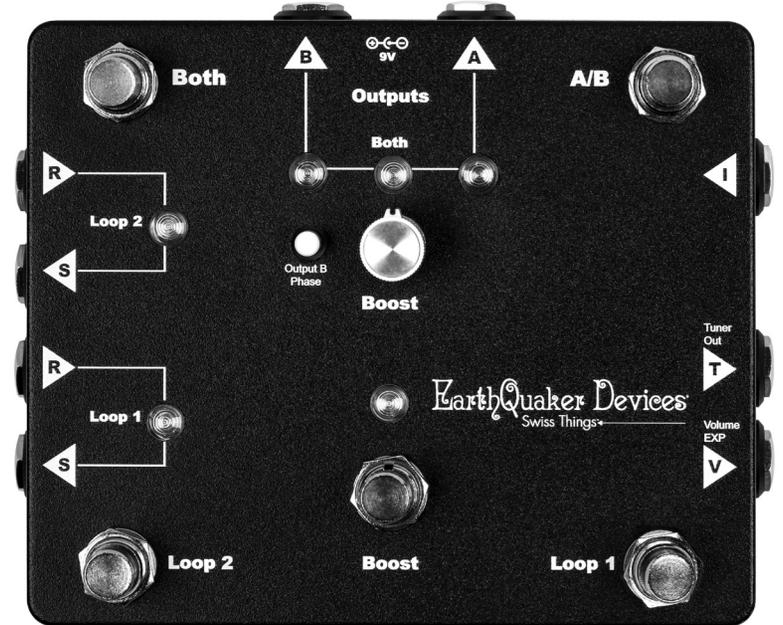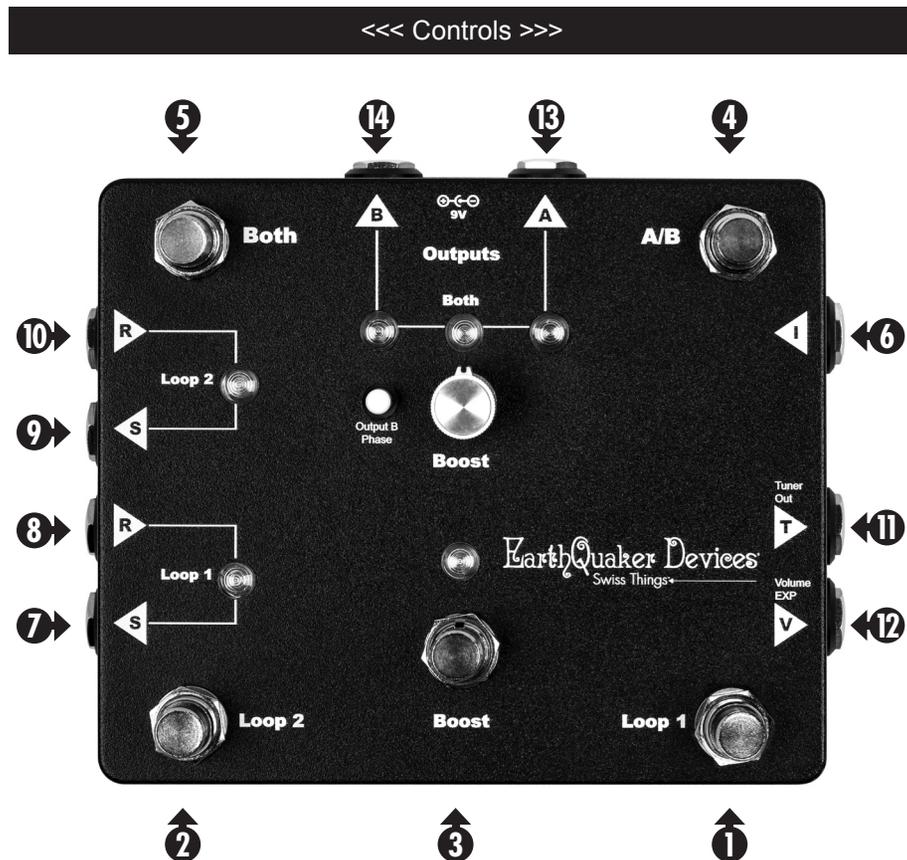**www.earthquakerdevices.com**

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Welcome to Swiss Things™!

Swiss Things is an all-in-one pedalboard reconciliation solution designed to really tie your rig together without resorting to some confusing loop-switching contraption bigger than a meatball party sub that eats up the entire bottom row of your board and kind-of-but-not-quite does what you need it to do.

Swiss Things combines two true-bypass Flexi-Switch™ enabled effects loops, a Flexi-Switch™ AB-Y box with transformer isolation between outputs, a buffered tuner output, 20dB of clean boost, an expression pedal output for volume control and a quiet, high headroom output buffer into a compact pedalboard-friendly signal routing junction box that lives at the top-right corner of your pedalboard and really ties your rig together without any signal loss.

This is what you can do with it:

• Use as many pedals as you'd like without tone-suck

• Quickly and easily bypass all your pedals with one click

• Use Flexi-Switch™ Technology with every pedal in your setup

• Eliminate volume pedal tone-suck by using any expression pedal to control volume

• Use multiple amps without phase issues, ground loops, or extra noise

• Tidy up your rig, shorten cable runs, and reduce tone loss by keeping all inputs and outputs in one location

<<< Controls >>>

Here's what the footswitches do:

❶ Loop 1: Press this to engage **Loop 1**. It features Flexi-Switch™ Technology and is unbuffered for use with all distortion, overdrive, and fuzz pedals, or anything else that doesn't like being buffered.

❷ Loop 2: Press this to engage **Loop 2**. It also features Flexi-Switch™ Technology and is buffered for use with time-based effects (delay, reverb, modulation, etc.).

*Note: when nothing is plugged into **Loop 2**, it functions as a mute.*

❸ Boost: press this to activate the boost. It is Flexi-Switch™ Technology enabled and provides up to 20dB of clean boost post-effects loops and is intended for use as an output booster.

❹ A/B: selects between **Output A** and **Output B**.

*Note: **Output B** is transformer-isolated and includes a Phase switch for use with pedals and/or amplifiers which invert phase.*

❺ Both: activates **Output A** and **Output B** at the same time and features Flexi-Switch™ Technology.

Here's what the input, output, send, return, and expression jacks are for:

❻ Input: plug your instrument in here.

Note: If you have any "always-on" pedals (compressors, preamps, EQs, etc.) place them before Swiss Things' input.

❼ Loop 1 Send: Plug this into the input of the first pedal in the overdrive/distortion/fuzz section of your board.

❽ Loop 1 Return: Plug the output of the last pedal of the overdrive/distortion/fuzz section into this jack.

❾ Loop 2 Send: Plug this into the input of the first pedal in the modulation section of your board.

❿ Loop 2 Return: Plug the output of the last pedal of your modulation section into this jack.

⓫ Tuner Output: Connect this to the input of your tuner.

Note: Tuner must be always turned on. If you bypass your tuner, you may experience ground loops or hum.

⓬ Volume EXP: Connect any expression pedal to this output to control volume.

Note: Most volume pedals create "tone-suck" by loading the signal down and have limited travel. This solves that problem with a buffered output and allows you to use any expression pedal with the same results. The expression jack is placed after the "dirt" effects loop (Loop 1) which allows you to change volume levels without affecting gain.

⓭ Output A: connect this to the input of your amplifier.

⓮ Output B: connect this to the input of a separate amplifier to use multiple amps and/or to play in stereo.

*Note: To use Swiss Things with stereo effects, they should be placed after **Outputs A & B** and both outputs must be selected using the Both switch.*

*Note: **Output B** is transformer-isolated and includes a **Phase** switch for use with pedals and/or amplifiers which invert phase.*

*Note: To use stereo effects after Swiss Things, do not have the **Phase** switch engaged otherwise the L & R inputs of your stereo effects will be out of phase.*

Yes, it does. **Loop 1** is unbuffered and is intended for use with boost, overdrive, distortion, fuzz, etc. Use this loop for vintage pedals and/or anything with low input impedance that requires direct interaction with your pickups. **Loop 2** is buffered and is intended for use with time-based and modulation effects (delay, reverb, chorus, phaser, flanger, etc). When nothing is plugged into **Loop 2**, it functions as a mute switch.

<<< Quick Start Guide >>>

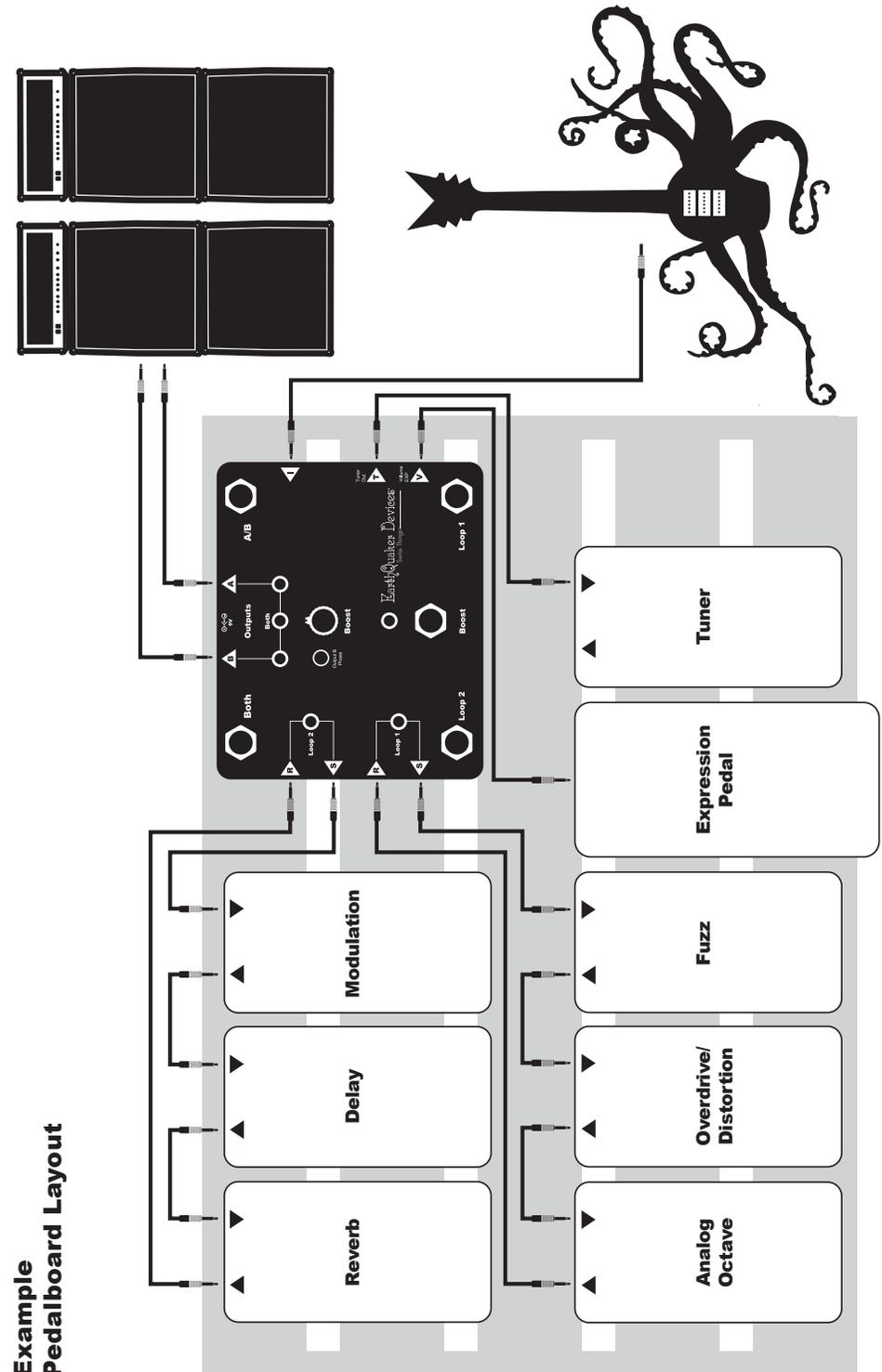1. Place Swiss Things in the top-right corner of your pedalboard.

   Note: Any mono "always-on" pedals (compressors, preamps, EQs, etc.) should be placed before Swiss Things.

2. Connect the **Loop 1 Send** to the input of the first gain pedal in your chain.

3. Connect the output of the last gain pedal in your chain to the **Loop 1 Return**.

4. Plug the **Loop 2 Send** into the input of the first modulation effect in your chain.

5. Plug the output of the last modulation effect in your chain into the **Loop 2 Return**.

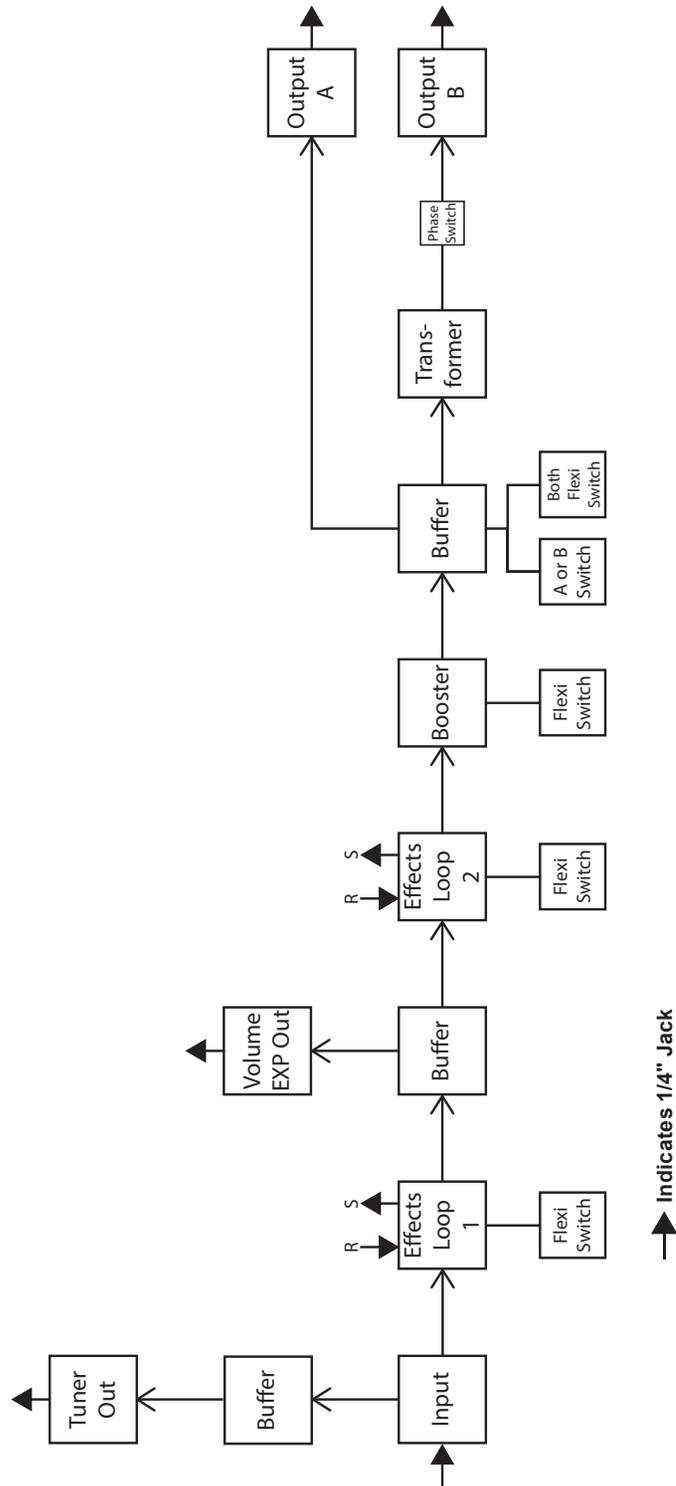6. Patch the **Tuner Output** into the input of your tuner.

   Note: *Tuner must be always turned on. If you bypass your tuner, you may experience ground loops or hum.*

7. For volume control, plug an expression pedal into the **Volume EXP** jack.

8. Connect **Outputs A and/or B** to your amplifier(s).

Example Pedalboard Layout

Block Diagram

Tuner Out ← Buffer ← Input

Input → Effects Loop 1 (R S, Flexi Switch) → Buffer → Volume EXP Out → Effects Loop 2 (R S, Flexi Switch) → Booster (Flexi Switch) → Buffer (A or B Switch, Both Flexi Switch) → Trans-former → Phase Switch → Output B

Buffer → Output A

↑ **Indicates 1/4" Jack**

<<< Flexi-Switch™ Technology >>>

This device features Flexi-Switch™ Technology! This relay-based, true bypass switching style allows you to simultaneously use momentary and latching-style switching.

- For standard latching operation, tap the footswitch once to activate the effect and then tap again to bypass.

- For momentary operation, hold the footswitch down for as long as you'd like to use the effect. Once you release the switch, the effect will be bypassed.

Since the switching is relay-based, it requires power to pass signal.

<<< Power Requirements >>>

- Current Draw: 40mA

- This device takes a standard 9 volt DC power supply with a 2.1mm negative center barrel. We always recommend pedal-specific, transformer-isolated wall-wart power supplies or multiple isolated-output supplies. Pedals will make extra noise if there is ripple or unclean power. Switching-type power supplies, daisy chains and non-pedal specific power supplies do not filter dirty power as well and let through unwanted noise. **DO NOT RUN AT HIGHER VOLTAGES!**

<<< Tech Specs >>>

- Input Impedance: 1M Ohm
- Output Impedance: 1K Ohm

<<< Warranty >>>

This device has a limited lifetime warranty. If it breaks, we will fix it. Should you encounter any issues, please email **info@earthquakerdevices.com**.