

Amp Select Pedal

Product Description



The *Amp Select* pedal is extremely versatile and opens the door to a variety different amplifier and pedalboard configurations. For example, when placed in front of a stereo recording looper, the playback and recording functionality of the looper is expanded (see details below).

Typically, the *Amp Select* Pedal is used at or near the end of the signal chain and can be easily configured to operate in either ***Amp Select*** (*A/B*) or ***Stereo*** mode. In *Amp Select* mode, the pedal board has the ability to switch back and forth between two amplifiers via the *Amp Select* foot switch, but with each amplifier driven from its own unique input source (*Ain*, *Bin*).

Given that each amplifier is driven from its own unique input source, each amplifier channel can be tailored to a specific tone or purpose. For example, one amplifier channel could be setup for lead tones while the second amplifier channel is optimized for rhythm. Another pedal board configuration might be where one amplifier channel is setup for Acoustic guitar while the second amplifier channel is setup for normal electric guitar. Or the two amplifier channels might be configured to produce a unique tone when both channels are played together in *Stereo* mode. Numerous pedal board configuration options are possible.

The *Mode Select* foot switch is used for switching between *Stereo* or *A/B* mode. In *Stereo* mode, a typical configuration might be where Delay and Chorus has been wired into Channel B, with Channel A wired for a clean tone. This configuration would have the benefit of producing a *well-defined*, articulate stereo tone because the original source remains fully intact in Channel A.

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Another useful feature on the *Amp Select* pedal is *two* 9vdc Boss style connectors (center ground) are provided for powering the LED status lights, but only one is required. Either connector can be used to power the LED status lights, which leaves the other connector free to *pass on* 9vdc to another pedal. This helps conserve 9vdc outputs on the pedal board power supply. No buffering or electronics are used in the active signal path of the *Amp Select* pedal.

Functional Summary

The table below summarizes the three operating modes and associated LED status.

Mode	A/B LED	Stereo LED	A Output	B Output
Amp A Select	Green	Off	Ain	Muted
Amp B Select	Blue	Off	Muted	Bin
Stereo	Off	Magenta	Ain	Bin

The LED status lights have been designed to be very intuitive. In Amp Select mode, a Green LED signals Amp A has been selected while a Blue LED signals that Amp B has been selected. When Stereo mode is active (via the *Mode Select* foot switch), the Stereo LED will glow magenta.

Typical Configurations

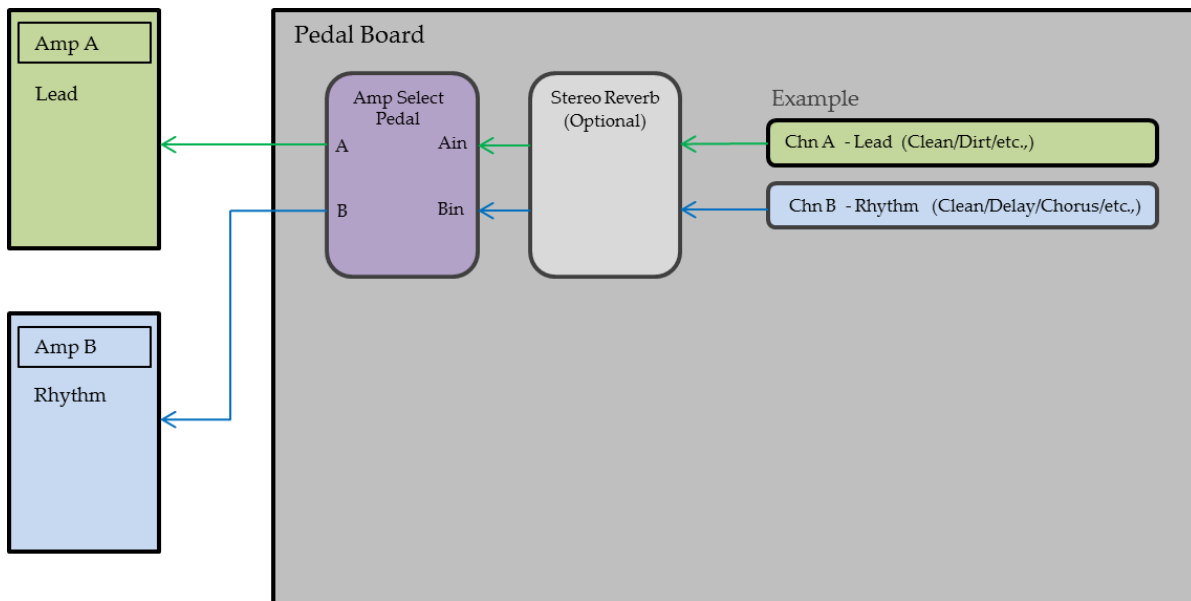


Fig 1

Amp Select Pedal

Fig 1 (above) shows a block diagram of a pedal board utilizing the *Amp Select* pedal in its simplest form, which is last in the signal chain. In this configuration, the pedal board can easily switch back and forth between Lead and Rhythm amplifiers (for example) using *only* one foot switch. The unselected amplifier is automatically muted when the *Amp Select* footswitch is pressed. Also noteworthy is that each Amplifier in *A/B* mode is driven from its own unique input source via the *Ain* and *Bin* inputs. This allows each amplifier to use different effect pedals for each input channel (if desired), whereby expanding the tonal palette of the pedal board.

When *Stereo* mode is selected, both amplifiers are active with each amplifier driven from its own input source. So besides being able to craft your own unique stereo tones, this feature is very useful with other *stereo effect pedals* (having stereo inputs and outputs), whereby taking full advantage of the tonal functionality provided by other *stereo* effect pedals.

Besides the three amplifier modes described above, if the guitarist also desires a *Dual Amp* configuration, where both amplifiers are active outputting the same thing, but driven from a *selectable* input source, please consult figure 3 (below). A Dual Amplifier configuration is typically useful when the guitarist wants to add extra emphasis or definition to a lead tone with distortion.

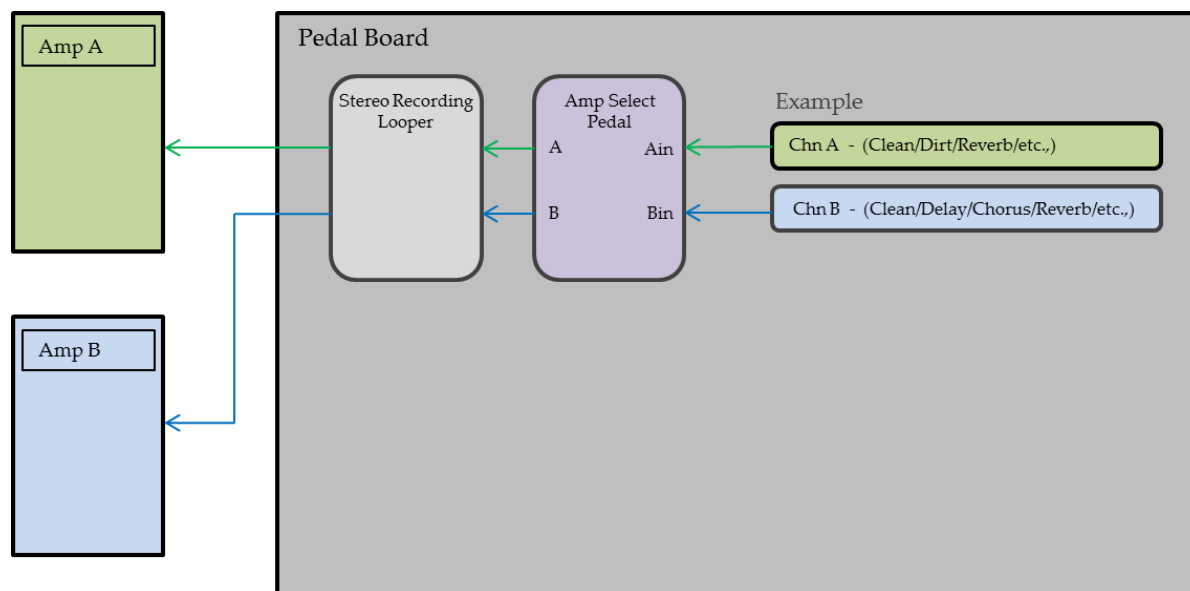


Fig 2

Fig 2 (above) shows a block diagram of the *Amp Select* Pedal used in front of a Stereo Recording Looper, which results in Looper functionality expansion.

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Placing the *Amp Select* pedal in front of a Stereo Recording Looper allows each input channel of the Looper to be recorded *seperately*, whereby expanding the functionality of the Looper. For example, when the *Amp Select* pedal is placed in *Amp B Select* mode, and the Looper is placed in record mode, only the B channel will be recorded.

Likewise, if the *Amp Select* pedal is placed in *Amp A Select* mode, only the A channel will be recorded. When the *Amp Select* Pedal is placed in *Stereo* mode, both input channels will be recorded as per normal Looper operation.

When the Stereo Recording Looper is placed in playback mode, the *Amp Select* pedal will likewise *selectively* control which channel (Chn A, Chn B, or Both) will be allowed to pass on top of the Looper recording. For example, when the *Amp Select* pedal is placed in *Amp A Select* mode, only Channel A will be allowed to pass on top of the Looper recording playback.

As can be seen from the examples above, the *Amp Select* pedal significantly increases Looper functionality whereby allowing the guitarist to create more complex recordings, as well as more flexible playback options.

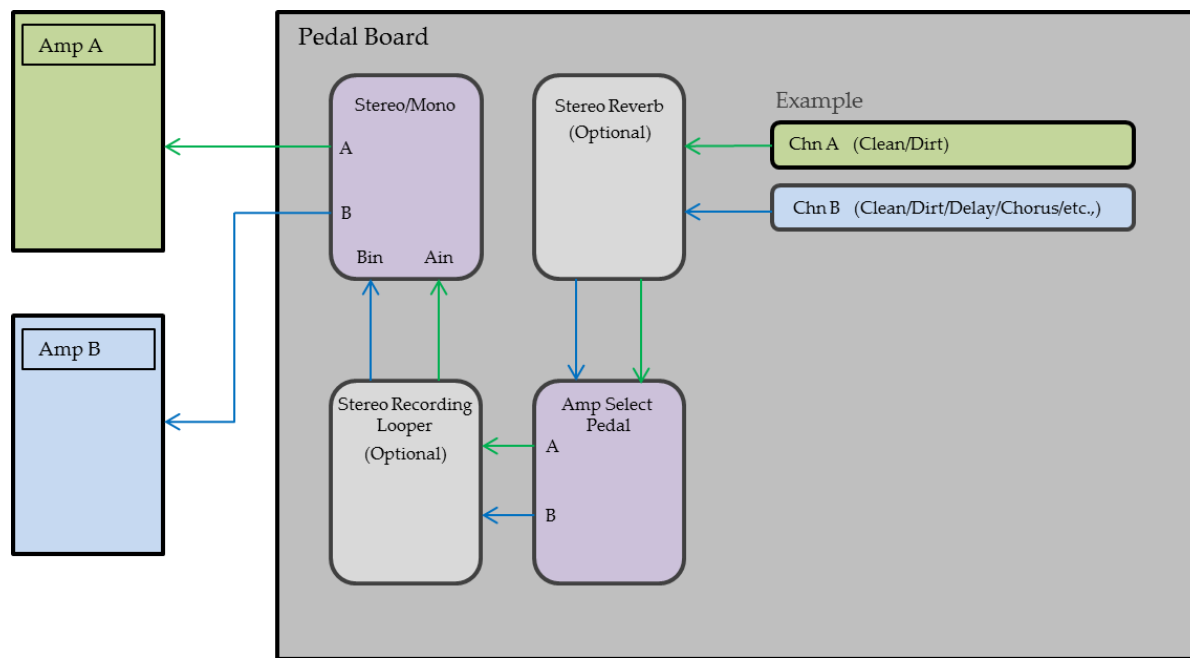


Fig 3

Fig 3 (above) shows a block diagram of the *Amp Select* pedal used in combination with both a Stereo Recording Looper and the *Stereo/Mono* output configuration pedal, whereby further expanding pedal board functionality.

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In this configuration, the pedal board is capable of supporting *seven* different amplifier configurations, as depicted in the table below.

Amp Select Pedal + Stereo/Mono Pedal (Combined Functionality Table)

Amp Output Mode	Amp Select Pedal		Stereo/Mono Pedal				A Output	B Output
	A/B LED	Stereo LED	Mute LED	A Chn LED	B Chn LED			
Master Kill	x	x	Red	Off	Off	Muted	Muted	
Amp A Select	Green	Off	Off	Green	Blue	Ain	Muted	
Amp B Select	Blue	Off	Off	Green	Blue	Muted	Bin	
Stereo	Off	Magenta	Off	Green	Blue	Ain	Bin	
Dual Amp (using Ain)	Green	Off	Off	Green	Green	Ain	Ain	
Dual Amp (using Bin)	Blue	Off	Off	Green	Green	Bin	Bin	
Dual Amp/Mono	Off	Magenta	Off	Green	Green	Ain + Bin	Ain + Bin	

Note: x = don't care

With the addition of the *Stereo/Mono* pedal, a Master Kill feature (both outputs) has been added to the pedal board, including support for a Dual Amp configuration. A Dual Amp configuration allows the guitarist to have both amplifiers active, but using only one (selectable *A/B*) input source. As indicated previously, a Dual Amp configuration is typically beneficial when the guitarist wants to add extra emphasis or definition to a lead tone with distortion.

The picture below (Fig 4) shows the *Amp Select* pedal used on a typical pedal board, as depicted in Fig 3, which includes both a Stereo Recording Looper and a *Stereo/Mono* output configuration pedal.

The wiring used on this Pedal board example is as follows:

Chn A: Buffer/EQ, Overdrive/Boost, 3x Splitter, Reverb, *Amp Select*, Stereo Recording Looper, Stereo/Mono, Amp A Output.

Chn B: Buffer/EQ, Overdrive/Boost, 3x Splitter, Delay, Chorus, Reverb, *Amp Select*, Stereo Recording Looper, Stereo/Mono, Amp B Output.

Notice in this pedal board configuration the Overdrive/Boost pedal has been wired into both channels. Also notice that the Chorus and Delay pedals are wired only in Chn B. Therefore, when Stereo mode is selected (with chorus and/or delay activated), this will produce a *well-defined*, articulate stereo tone because the original source will remain fully intact in Amplifier A, while Amplifier B will layer on top with the delay and chorus efforts.

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Fig 4

Alternatively, using the exact same wiring configuration described above, when the Pedal Board is placed in A/B mode, the guitarist can easily switch back and forth between Amplifier A (setup for lead tones using an input with no delay or chorus added in), and Amplifier B (setup for rhythm tones using an input with delay and/or chorus available). In other words, with the press of *one* foot switch, *both the amplifier and the input channels will be switching simultaneously.*

Beyond that, if the guitarist wants *both* amplifiers outputting *the exact same thing*, while still being able to select either the Chn A or Chn B inputs, all that needs to be done is configure the *Stereo/Mono* pedal for Dual Amp mode.

The *Amp Select* pedal is custom designed and hand built in the USA.

The *Amp Select* pedal is currently available for purchase on eBay or Reverb.com under the following listing "*Amp Select Pedal*"