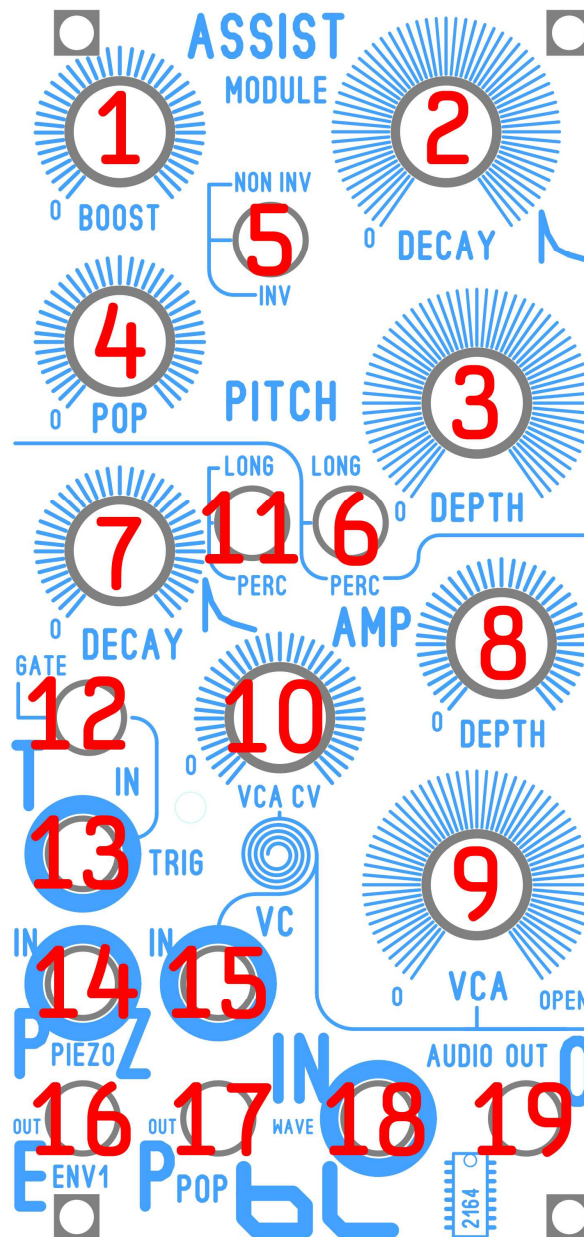


Assist Percussive Utility Module

This is the Reference manual for the Blue Lantern Modules Assist Percussive Utility Module.

Use this guide to understand the controls and simplify usage.



1. Boost Knob: this is a booster fx circuit meant to give some buzz and distortion to the Amplifier. It can also act as 'gain' for low volume sound sources.
2. DECAY KNOB on the pitch side. This knob will adjust the timing of the analog decay envelope. A setting close to zero is used for sharp, short transients. Use this with conjunction of the LONG/PERC timing switch #6
3. DEPTH KNOB on the pitch side. This knob adjusts the output for jack #16, Envelope decay output. Switch #5 is used in conjunction with this. It will invert or non-invert the envelope decay.

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4. POP Knob. This is a spike generator. The pop knob adjusts the 'pop' or spike output on jack #17. This is usually patched to one of the CV inputs on your VCO module.
5. NON-invert or INVERT switch. This selects the envelope output mode. The decay will either be inverted or non inverted.
6. LONG or PERC switch. This will select the timing capacitor for the analog envelope decay. A long setting is used for more 'SYNTH' or musical curves for the decay. A 'PERC' setting is meant for fast, shorter transients. This is great for drums, snares, etc.
7. DECAY KNOB on the Amp side. This knob will adjust the timing of the other analog decay envelope. A setting close to zero is used for sharp, short transients. Use this with conjunction of the LONG/PERC timing switch #11
8. DEPTH KNOB on the Amp side. This knob will adjust how much decay envelope is feed into the Voltage Controlled Amplifier. Most of the time it is near fully clockwise. Turning it counter clockwise will lower the level and allow accented patches to mix in properly. For Accented patching, use the VCA CV, knob #10, and jack #15.
9. VCA KNOB. This is the amplifier manual control for 'OPEN' or let the sound pass...
10. VCA CV IN LEVEL KNOB. This is an input attenuator for the VCA CV jack #15. This is best used to add some accent to your percussion patches.
11. LONG or PERC switch on the AMP SIDE. This will select the timing capacitor for the analog envelope decay. A long setting is used for more 'SYNTH' or musical curves for the decay. A 'PERC' setting is meant for fast, shorter transients. This is great for drums, snares, etc.
12. This switch selects a gate or trigger input. The trigger mode is for percussive response. The Gate mode is for synth, keyboard type response.
13. TRIGGER INPUT JACK. This is used with conjunction of the #12 switch. This is where you patch a pulse or clock. Use this to trigger the two envelopes.
14. PIEZO jack input. This is used to connect drum pads. Roland v-drum pad for example. You can use this jack also as a softer trigger input instead of connecting drum pads.
15. VCA CV INPUT JACK. This is used for accented patching.
16. ENV1 output jack. Patch this to your CV input jack on your VCO module. This will give your VCO the pitch effect it needs to create percussive patches.
17. POP jack output. Patch this to your CV input jack on you VCO module. This will give your VCO the very short pop effect it needs to create percussive patches.
18. INPUT AMP jack. This is where you patch the AUDIO sound coming out of your continuous VCO wave.
19. OUTPUT AMP jack. Use this jack to hear the final DRUM or percussive sound you just made.