

# wizard

## description

The Groovy Wizard fuzz driver is for all you wizards of guitar that have been searching for the perfect fuzz to drive your amp whether it is set clean or overdriven. Groovy Wizard's open and transparent response lets the character of your guitar and amp shine through.

- Super wide range two-transistor fuzz driver running at 18 volts that goes from punchy boost, to open amp-like overdrive, all the way to harmonic-laden fuzz.
- Transparent, open response showcases your guitar's true voice and is not compressed like a lot of fuzzes giving you a huge sound that is touch-sensitive and dynamic.
- Amazing cleaner sounds just by rolling back your guitar's volume control - go from full fuzz, to overdrive, to clean!
- Presence and contour controls allow you to balance the tone perfectly to your guitar and amp.
- Utilizes all-discrete, through-hole components specifically selected to achieve the desired sound + response. Carbon composition resistors for their subtle warm harmonics. Premium axial capacitors for their creamy punch and wide sound stage. Germanium PNP and silicon NPN transistors selected and biased to get the widest dynamic range and touch-sensitive playing response.
- This is your always-on dirt pedal!
- Housed in kittycasterFX's exclusive wedge enclosure.

## sound + response

Designed & handbuilt in Portland, Oregon USA  
Sonic concept/circuit, PCB, & enclosure design - Howard Gee  
Visual concept/art direction & design - WB72  
Handbuilt by - Steve Hamari & Jean Mastaler  
Global sales & business management - Scott Miller  
www.kittycasterFX.com @kittycasterFX

# groovy

## the story

I wanted to solve a problem common to many fuzzes - a lot of the classic circuits only work in certain very specific situations with very specific amp, guitar, and other effect combinations. Common fuzzes also seem to only have one setting that works and even then they had a tendency to fart out, killing your picking attack and making your tone a muddy mess.

I wanted a fuzz where each control had a full range of usefulness throughout the rotation of the knob.

I wanted a fuzz that worked with wahs or buffers in front.

I wanted a fuzz that worked with single coils or humbuckers.

I wanted a fuzz that worked with a variety of amps.

I wanted a fuzz that let the character of my guitar come through, rather than masking the guitar's true tone with a generic fuzz tone.

I wanted a fuzz that allowed me to tighten up the response of the neck pickup so I didn't have to always get that woolly, thick tone; unless I wanted to!

I spent months tuning the circuit until I was satisfied that I had met my goal.

I'm proud to be able to make this available to you to help you on your quest of becoming the Groovy Wizard of guitar that I know you are!

Play on, brothers and sisters!

Howard

**kittycasterFX**  
SOUND+RESPONSE



# directions

Place the Groovy Wizard somewhere towards the front of your pedal chain. You don't have to though as it works just fine with wahs or buffered pedals in front. Buffers in front will change the tone slightly but you might like it. Experiment!

Start by setting all four controls at noon. Have your amp set right at the edge of breakup. Now you can vary each control higher or lower to dial in your sound. Try setting the VOLUME higher and the GAIN lower if your amp is really cranked. If your amp is set to a clean setting you might like having the GAIN up and the VOLUME back a bit. You'll find your perfect sound + response as you get to know how the four controls interact!

Mounting the Groovy Wizard to your pedalboard:

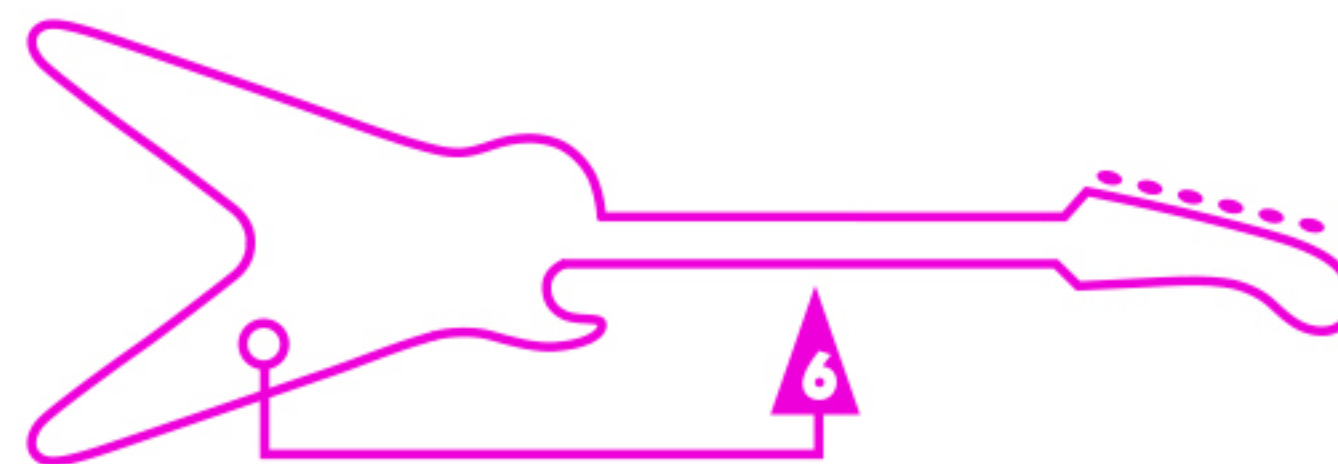
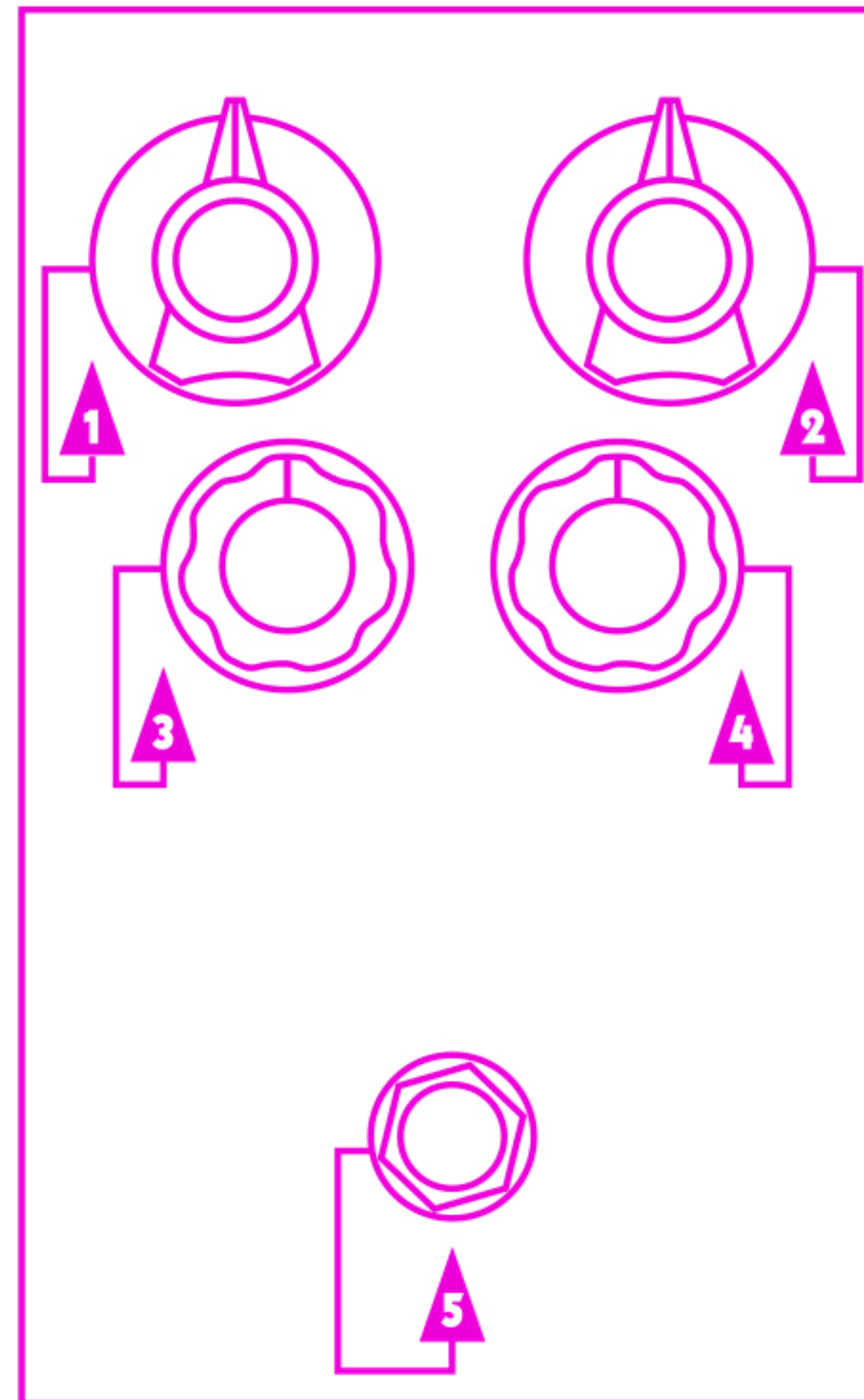
All kcFX pedals come with four rubber feet that screw into the pedal and can be removed simply by turning them with your fingers. If you wish to velcro your pedal to your pedalboard, simply replace the four rubber feet with the included counter-sunk screws to get a perfectly flat bottom surface for secure velcro-ing.



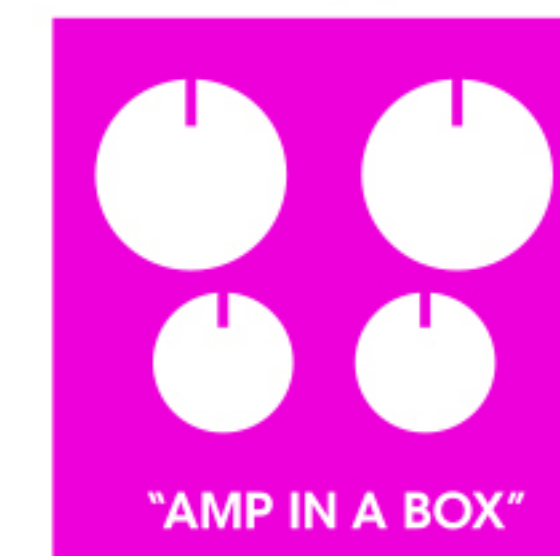
for demo videos and more info go to  
[WWW.KITTYCASTERFX.COM/PRODUCTS/GROOVYWIZARD](http://WWW.KITTYCASTERFX.COM/PRODUCTS/GROOVYWIZARD)

# controls

- 1 VOLUME** has a lot of punchy output on tap to drive your amp even at lower gain settings.
- 2 GAIN** has great sounds throughout its range and can go from boost all the way to maximum fuzz drive. Lower GAIN settings retain clarity.
- 3 PRESENCE** controls the high frequencies at the output of the circuit. Start at noon. If you want your sound to be smoother, turn the control down. If you want more sparkle and brightness to cut through, turn it up. Turning the PRESENCE control changes the corner frequency of the filter so you can fine-tune the voicing of the high treble frequencies.
- 4 CONTOUR** controls the amount of low frequencies that enter the fuzz driver circuit. Set it lower to tighten up your response. Set it higher to thicken up your sound and get more of a fuzz response. Noon is a good starting point for this control.
- 5 FOOTSWITCH** is true mechanical bypass. When you first plug in your guitar or plug/unplug the DC jack you may notice some footswitch popping until the pedal equalizes into your signal chain. Press the switch several times or wait a minute or two and the popping will go down.  
  
\*note that there is no LED status indicator. This is intentional since an LED compromises the tone of this circuit by adding harsh harmonics and creating a slight limiting effect. I wanted no compromises in the sound + response!
- 6 YOUR GUITAR'S VOLUME CONTROL** is one of Groovy Wizard's most powerful controls. That's right - the volume knob right there on your guitar! Go from crystal clean to full on fuzz! Back off slightly from full volume to get great overdrive sounds!



# sample settings



# power

The Groovy Wizard is powered by either two 9-volt batteries or a standard DC power supply at 9-18 volts.

You can tune the response of your pedal by trying different voltage levels to the DC jack. 18 volts gives you a loud punchy response. 9 volts will remind you of classic fuzz textures. Try running a voltage somewhere in-between such as 12 volts for a perfect balance of punch and saturation.

For my favorite response, grab those used 9-volt batteries you have in the junk drawer that are drained down to 6 or 7 volts or so and give them a new lease on life! Two batteries at 7 volts gives you 14 volts of warm tone with a satisfying picking attack. And the Groovy Wizard's ultra-low current draw means you can keep running those used batteries for many many hours still! There's also subtle differences between different types of batteries - alkaline, carbon zinc, or lithium-ion. I encourage you to experiment to really fine-tune the response of your Groovy Wizard. Rechargeable lithium-ion batteries are a great option. They have a warm response and you can get ones that have a usb charging port.

**Included with the Groovy Wizard are two custom kcFX Ultramega Super Heavy Duty batteries to get you going!**

To change batteries, simply unscrew the four rubber feet with your fingers to remove the bottom.

Unplug the input jack (axe) when not playing to turn the battery off. Or keep the DC jack plugged in and the battery will also be turned off.

# specifications

Input impedance	~380 kΩ
Output impedance	~18 kΩ
Bypass	true-bypass, grounded input
Current draw	0.5ma @18volts 0.25ma @9volts
Power supply	9-18 volts DC (standard center-ground 5.5mm x 2.1mm barrel) or two 9-volt batteries

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