



# directions

Think of Mohair as a three-knob pedal with a bonus fourth knob to control the tone of the switchable booster.

When the LED indicator is lit green Mohair is in normal, non-boosted mode and only the VOLUME, SUSTAIN, and TONE controls are in effect. When you press the BOOST footswitch, the LED turns red and you've now activated a custom Rangemaster-based treble-booster circuit in front of the main distortion circuit. The RANGE knob controls the low-frequency response of the booster circuit, from classic Rangemaster - tight and fast with blazing upper mid harmonics, to thick and sludgy with virtually endless sustain.

Green mode is great for rhythm parts and slow, legato solos and riffs. You'll notice that the pedal "grabs on" to your notes and doesn't want to let go. The sound is thick and excels at big sludgy slower tempos.

But switch to Red mode and the treble-booster circuit will turn the pedal into a blazing speed monster! This is the core concept of Mohair - take a big, sludgy fuzz and then hit it with a custom-tuned booster circuit which tightens up the low end going into the main circuit for an amazing sound and response that you can shred on. Or you can turn the Range knob up for a full-range boost that will give you thick, endless sustain.

Mohair works best into an amp set relatively clean. It's got five gain stages already!

Note: The booster does not work independently. It was voiced specifically to boost Mohair's distortion circuit.

Mounting Mohair to your pedalboard:

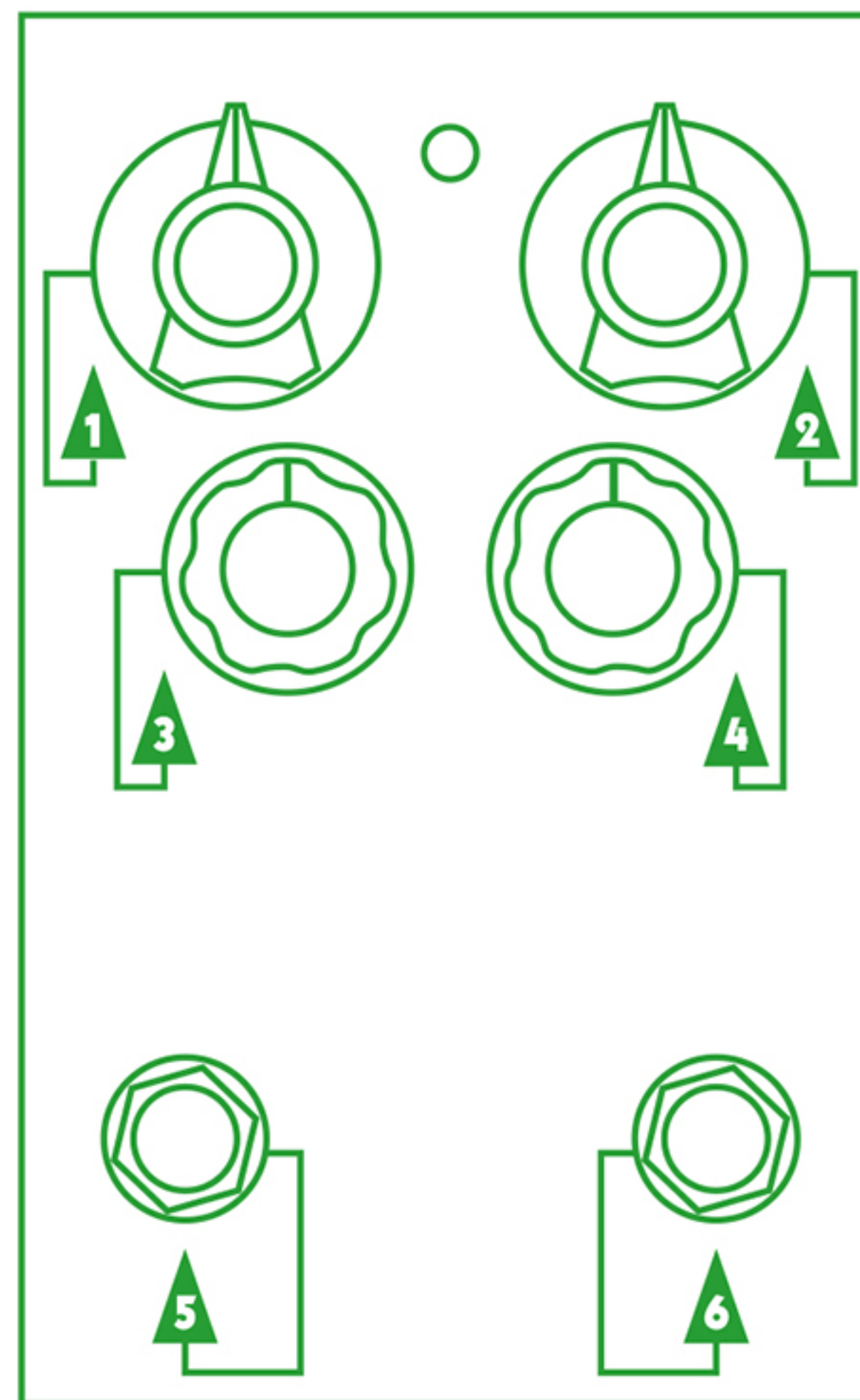
All kcFX pedals come with four rubber feet that screw into the pedal and can be removed simply by turning them with your fingers. If you wish to velcro your pedal to your pedalboard, simply replace the four rubber feet with the included counter-sunk screws to get a perfectly flat bottomed surface for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



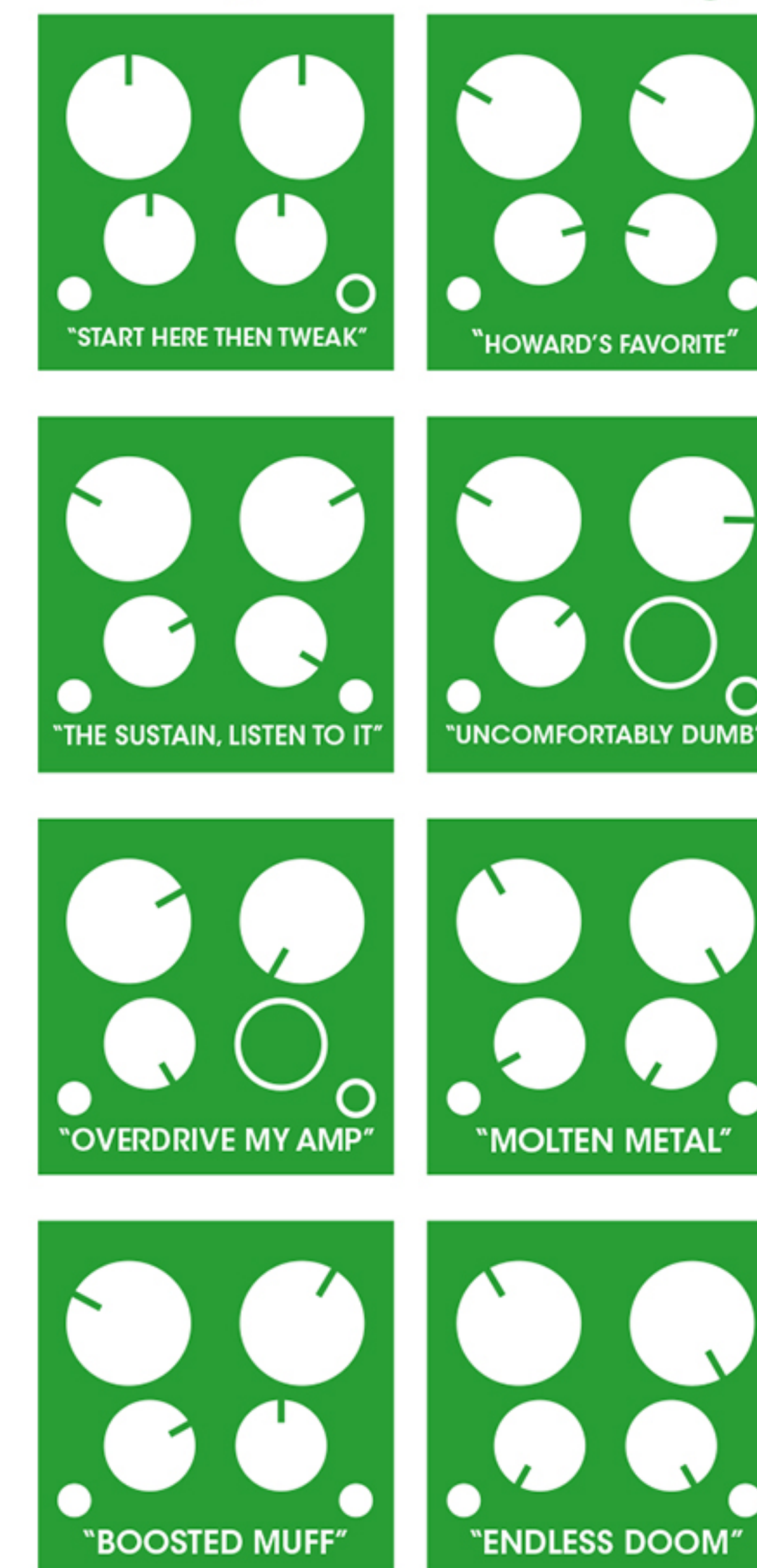
for demo videos and more info go to  
[WWW.KITTYCASTERFX.COM/PRODUCTS/MOHAIR](http://WWW.KITTYCASTERFX.COM/PRODUCTS/MOHAIR)

# controls

- 1 VOLUME** sets the overall output level. Mohair is a loud pedal so you probably won't have to turn this knob up too high!
- 2 SUSTAIN** is basically the gain control. For great tight and soaring sounds when the boost function is engaged, try setting the SUSTAIN control a bit lower. You'll normally want to use lower SUSTAIN settings with high output pickups.
- 3 TONE** varies the frequency response in both non-boosted (LED green) and boosted mode (LED red). At noon is a balanced response, equal parts bass and treble with a slight mid-scoop. Mohair's refined circuitry gives the tone control a wide sweet spot.
- 4 RANGE** is in effect only in boost mode (LED red). It varies the low-frequency response (it's a variable high-pass filter) at the input of the booster stage. Set the RANGE control low or at minimum to get the tightest and quickest playing response - great for riffing. Set the RANGE control high for thick, sustained legato passages.
- 5 BYPASS FOOTSWITCH** toggles pedal on/bypass. BYPASS is true mechanical bypass.
- 6 BOOST FOOTSWITCH** toggles the boost on/off. The LED indicator will be green when in normal, non-boosted mode and red in boosted mode.



# sample settings



# power

Mohair is powered by either a 9-volt battery or a standard DC power supply at 9-18 volts.

Experiment with different voltages at the DC jack for different responses. Higher voltages up to 18-volts will give you a punchier response. I like running it at 18-volts with the boost mode on for big classic 70s metal tones! Please note that some modern switch mode-power wall warts will cause a high-pitched clock noise to come through. Transformer-based power supplies are better if you have one. Or just use a battery!

For the smoothest sound and response, try using Mohair with the internal battery. It makes a difference!

Included with the Mohair is a custom kcFX Ultramega Super Heavy Duty 9-volt battery.

To change the battery, 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	~33k $\Omega$ (Green mode - booster off) ~15k $\Omega$ (Red mode - booster on)
Output impedance	~3k $\Omega$
Bypass	true-bypass, grounded input
Current draw	@ 9 volts 1.8mA effect-bypassed 5.0mA effect-on @ 18 volts 4.4mA effect-bypassed 11.4mA effect-on
Power supply	9-18 volts DC (center-ground 5.5mm)

**kittycasterFX**  
SOUND+RESPONSE