The MacGuffin

The MacGuffin dual drive pedal is a 2-in-1 combination of two iconic overdrive pedal circuits in one box: One side is our take on the near-mythological Klon Centaur, while the other side is the Function f(x) version of the classic Marshall Bluesbreaker overdrive. What's more, the MacGuffin offers effect order switching, so you can have either drive circuit first in the chain.

Controls

Bluesbreaker (left):

Level – As one would expect, this adjusts the output level of the effect. Turning the control counter-clockwise will cut the volume.

Gain –This is the gain control for the Bluesbreaker side.

Tone – A simple but effective low-pass filter (high cut). Clockwise = more highs.

Diode Switch – Position 1 is "hard clipping" (more like a distortion), while Position 2 is "soft clipping" (more like an overdrive).

Klon(e) (right):

Level – Just a volume control; same as the BB side..

Gain – A dual-gang potentiometer controlling gain at two different points in the circuit, just like original it was inspired by.

Tone –The "klassic" tone control. Clockwise = more highs.

Diode Switch – Position 1 uses silicon diodes for clipping, while Position 2 uses the "klassic" setup of Germanium diodes.

Order Switch:

The center toggle switch changes the order of the two sides. Position 1 puts the Klon(e) first in the chain, while Position 2 puts the Bluesbreaker first. If only one side is active, the switch has no effect.

Bypass Switching Operation

The MacGuffin offers three different bypass switching modes that utilize the two channels in various configurations. The description sounds complex, but the operation is simple. Note that the Bypass Mode LED indicator is always lit, even if the pedal is fully bypassed.

Mode LED Color	Mode Name	Left Switch Function	Right Switch Function
Blue	Indy Mode	Bypass for BB	Bypass for Klon(e)
Green	Flip-Flop Mode	Master Bypass	Toggles between BB / Klon(e)
Red	Cannon Mode	Master Bypass	Momentary Bypass of both Channels

Indy Mode (Blue)

This is the default bypass scheme that is active the first time you power up the pedal, but the pedal will remember the last mode you were in the next time you power it up. The left footswitch bypasses the Bluesbreaker side, and the right footswitch bypass the Klon(e) side. Each side can be used independent of the other, or both can be turned on simultaneously for stacking.

Flip-Flop Mode (Green)

Flip-Flop Mode is ideal for the player who wants to switch from low gain to high gain with a single tap of the foot. In this mode, you can toggle between the two sides by pressing the right footswitch. The left footswitches bypasses the entire pedal. In this mode, only one of the two channels is active at any one time.

Cannon Mode (Red)

The Cannon mode is a little bit different. Both channels are always on for high-gain stacking fun, and like the Flip-Flop mode, the left footswitch is a master bypass. The right footswitch in this mode acts as a *momentary* bypass switch, allowing you to go from high-gain to squeaky clean and back again as fast as you can press the switch. This could be used for a stutter effect, or it could be used to break out of a high gain riff to go right into a clean interlude and then back to the gain as soon as you let your foot off the switch. *Note: when the pedal is bypassed, the right switch turns both sides on (momentary); and when the pedal is toggled on (not bypassed), the right switch turns both sides off (momentary).*

How to Change Switching Modes:

To change from one bypass mode to another, hold down both footswitches for a few seconds until you see the LEDs blink. Then you can scroll through three modes with the left footswitch (the bypass indicator LED will change color when the mode is changed) and use the right footswitch to select the mode you want and return the pedal to normal operation.

Power Requirements and General Care

Make sure that you use a 9VDC center negative 2.1mm barrel power supply to power the pedal. This is the industry standard power supply that most pedals use. If the power supply says AC on it, don't use it. If you aren't sure that a given power supply will work, we recommend that you send us an email (support@function-fx.com) or contact the dealer where you purchased your pedal.

Warranty and Support Information

At Function f(x), we stand behind our work. All of our pedals are warrantied against defective parts and workmanship for 1 year from the date of purchase. If the footswitch fails or a pot dies, we've got you totally covered (minus the cost of shipping to and from the repair location) during the warranty period. The warranty does not cover damages caused by user error (wrong power supply plugged in to the pedal or submersion in liquids, as examples). Function f(x) reserves sole right to determine what damages constitute "user error." But we're reasonable guys, so don't sweat it. Further, just because damages are deemed to be caused by "user error" doesn't mean we won't repair it; it just means that the repair may incur a fee to cover parts and/or labor.

After that initial 1-year period, we are still happy to resolve/repair any problems that should happen to arise in our products, but there may be a fee assessed to cover parts and/or labor. We will do our best to keep repair charges as low as possible. In the event that a full PCB replacement is called for, be advised that this may take as long as 4-6 weeks if critical parts are out of stock and need to be ordered. However, we will never ask you to pay any costs upfront, and we will communicate the status of the work regularly.

If you have questions about your Function f(x) pedal, or if you need to reach us to discuss repair service, please send us an email at **support@function-fx.com**. We will get back to you as fast as we can (usually within 24 hours).