

Finish

Each Xerograph Deluxe is etched and polished by hand, so each one is unique; no two will ever look alike.

Warranty

Your Xerograph Deluxe is warranted for materials and manufacturing for one year from the date of purchase. Your warranty is void if you use the wrong type of power supply, take it apart, attempt to modify it or abuse it by using it in a way not intended.

Details

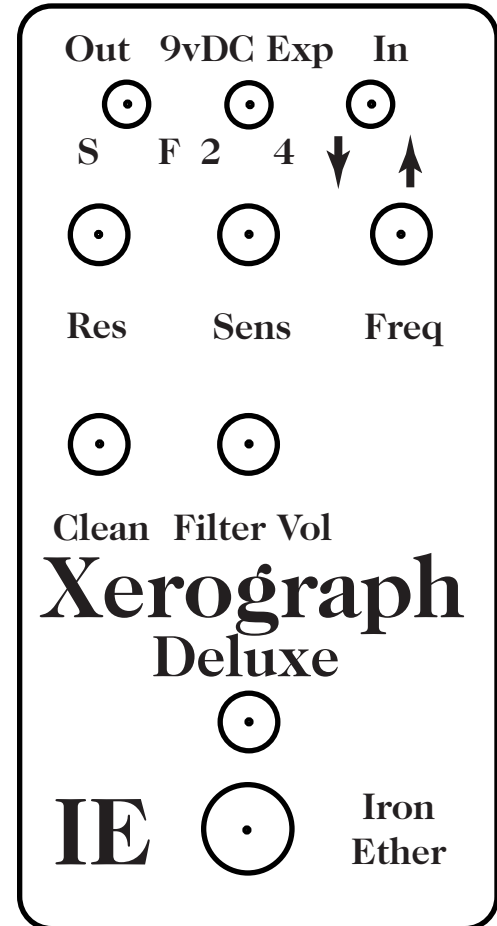
-Power: The Oxide runs on the industry-standard 9 volt DC center negative power supply.

-Bypass: The Oxide features a click-free relay-based true bypass system. This maintains the benefits of true bypass: when the pedal is bypassed, your signal does not travel through any electronic circuitry; it's connected through a mechanical switch directly from input jack to output jack. This way you can be certain that no tonal coloration or other signal change is happening when in bypass.

In addition, it offers some benefits over the common "3PDT" bypass switch: if power to the pedal is lost, it will automatically go into true bypass, regardless of the setting of the bypass switch. The relay used is designed specifically for audio switching, unlike the "3PDT" switch, so it won't ever make popping or clicking sounds, and will remain quiet and reliable for decades.

Iron Ether Xerograph Deluxe

owner's manual



Controls

2-pole/4-pole switch:

2-pole mode is a classic, funky filter with a wide, vocal-like resonance peak.

4-pole mode offers a fat, deep, and synthy filter with a sharp resonance peak.

Frequency knob: When using the filter without an expression pedal, this control sets the cutoff frequency of the filter, above which frequencies begin to be attenuated, allowing the user to dial in deep, dubby bass sounds. When using an expression pedal with the Xerograph, the Frequency knob sets the low extent of the filter sweep.

Resonance knob: adds feedback around the filter, which boosts frequencies around the cutoff frequency, intensifying the effect of the filter. Set the resonance low for more subtle tone-shaping, to the center for quacky filter sounds, or turn it up to around 3-o'clock for a wet synth sound. Turning it to maximum sends the filter into self-oscillation.

Filter volume knob: Allows the user to set the output volume of the filter signal, ranging from quieter than the bypassed signal, to boosted.

Sensitivity knob: Adds envelope control over the filter frequency. This knob controls how much the user's playing dynamics modulate the filter cutoff frequency; all the way counter-clockwise turns the envelope follower off completely.

Envelope up/down switch: In up mode, the filter frequency starts at a low point selected by the onboard Frequency knob, and sweep higher with increasing attack volume in playing dynamics. In down mode, this is reversed; the Frequency knob selects the highest frequency of the sweep, and the cutoff frequency sweeps downward from this point.

S/F switch: A slow/fast switch, which changes the attack and decay response of the envelope follower.

Clean blend volume knob: This control allows the user to fade in the clean signal, which can recreate double-tracked synth/electric bass effects, or allow for extremely wet filter sounds while keeping the fundamental bass tone present.

Frequency expression jack:

Connecting a passive expression pedal allows the user to control the frequency of the filter with his or her feet, allowing for slow, resonant sweeps, or fast, funky squelches.

Range and interactivity

The Xerograph Deluxe is designed to be a powerful and intuitive tool for creating classic, modern, and unique sounds. The controls are designed with a wider range than is commonly found in effects pedals, so that the user is not limited to a small subset of possible sounds and techniques. At first this range and versatility can be tricky to harness; it's even possible to set the Xerograph in such a way that it filters out all audible frequencies and lets no sound through the filter at all, but quickly the controls become second nature and this range will be useful in sculpting unique new sounds.

An important concept to understand is the way in which various controls and playing interact to determine the cutoff frequency of the filter. The frequency knob always sets the "base" frequency. The expression pedal will sweep upwards from this base frequency, to the high frequency which is set by the "range" knob on the passive expression pedal.

When the Sensitivity knob is increased from fully counter-clockwise, the user's playing dynamics begin to also sweep the cutoff frequency of the filter, in concert with the Frequency knob and expression pedal.

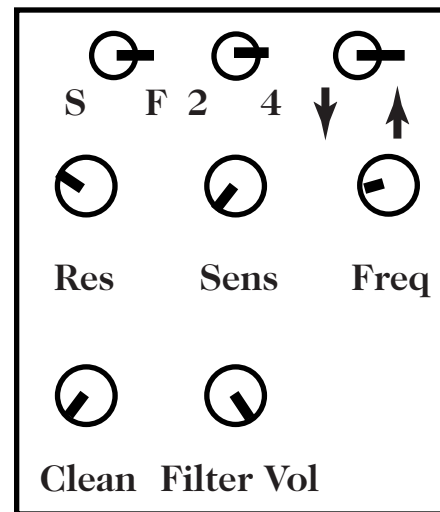
As the Sensitivity moves further clockwise, the playing dynamics will have a greater effect, from just barely noticeable, to sweeping through the entire audible frequency range. At any point while using the Xerograph Deluxe as an envelope filter, the expression pedal can be added to sweep the base frequency, from which the playing dynamics sweep up or down.

Iron Ether

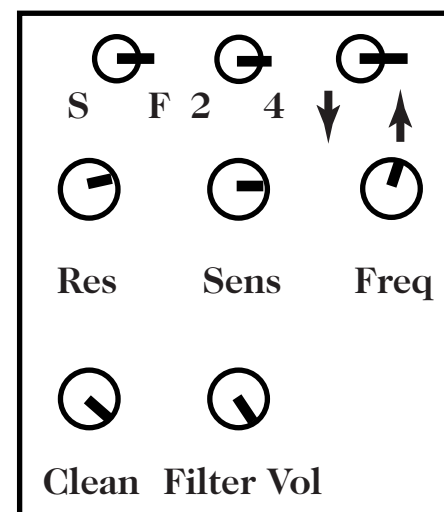
Xerograph Deluxe

Example settings

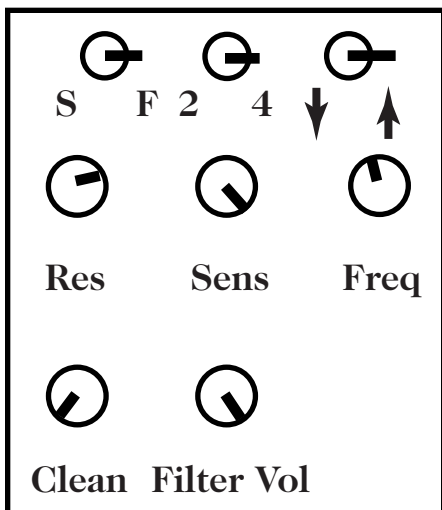
These settings will get you started making music with the Xerograph. Keep in mind that these will need to be tweaked depending on the volume of your instrument and the pedals you have in front of the Xerograph Deluxe.



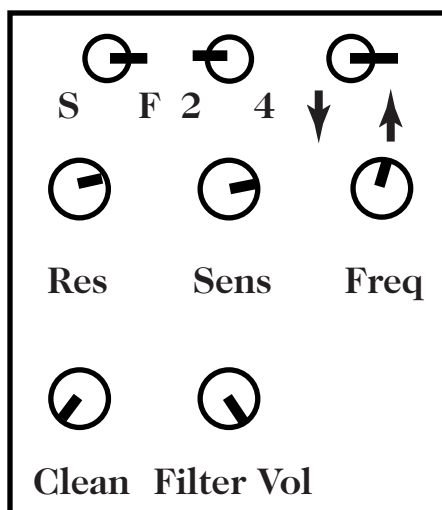
Dub bass



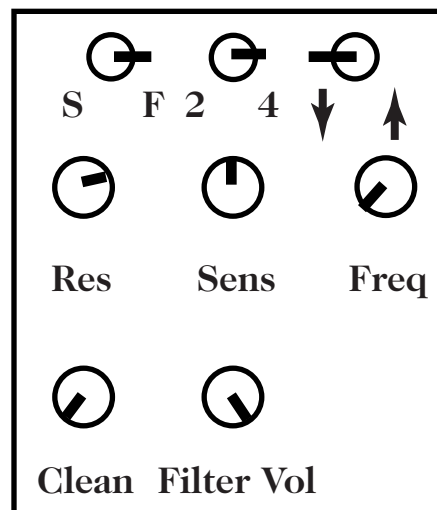
Doubled bass
and synth



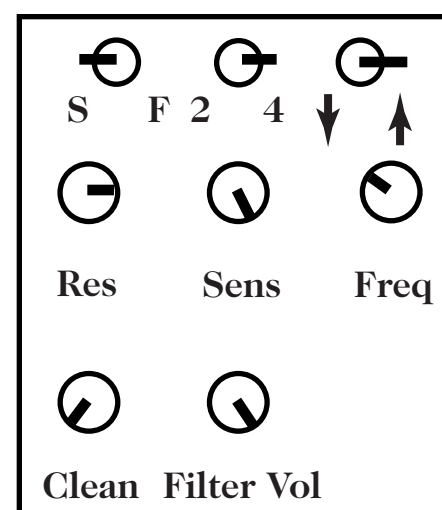
Funky Synth



Classic "tron" filter



Downward filter



Slow resonant
auto-sweep