Bit Commander™

Hey buddy! Thaks for picking up the Bit Commander™ from EarthQuaker Devices™ brand effects pedals! The Bit Commander is a monophonic analog guitar synthesizer with four octaves of vintage square wave synth tones. Its no-nonsense interface makes it easy to add or subtract octaves to create a wide variety of sounds without having to dial in envelopes or oscillators. Ripping sub-octave thump, pulsing octave down, a lightly squared base tone and a swelling transformer based octave up all join together to make a single guitar sound like an army of olde tyme synths.

Like all analog octave effects, there are some basic rules to follow that will get you the most enjoyment from your Bit Commander. Use the neck pickup and play single notes. The best tracking occurs from the 7th fret up on all the strings. Below the 7th will still track but there will be occasional glitches and stutters. The lower the note, the harder it is for the Bit Commander to register. The use of Bass and lower registers on keyboards will yield unexpected, sometimes pleasing, sometimes disgusting results. These are not mistakes or flaws, it is the nature of analog octaves.

All analog, true bypass and hand made one at a time in the republic of Akron Ohio.

Controls

Sub: Two octaves down level

Down 1: One octave down level

Up 1: One octave up level

Base: Squared input signal level

Level: Master volume

Filter: Tone control, more highs clockwise, more warmth counter clockwise

Power

Our pedals take a standard 9 volt DC power supply with a 2.1mm negative center barrel. We always recommend pedal-specific, transformer-isolated wall-wart power supplies or multiple isolated-output supplies. Pedals will make extra noise if there is ripple or unclean power. Switching-type power supplies, daisy chains and non-pedal specific power supplies do not filter dirty power as well and let through unwanted noise. Do not run at higher voltages!

Current draw

25mA

Switching

This device is true bypass and uses electronic relay based switching. Audio will not pass without power.

Suggested Placement

For best results, place as close to the front of your signal chain as possible. Tracking and sustain will increase when the Bit Commander is placed after a compressor or dirt pedal.

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