



vault

over-the-top octave fuzz

features & specs

- The vault is an over the top fuzz with three modes of operation, two of which provide octave up. The vault features extreme, yet musical fuzz, wide range tone controls suitable for guitar or bass, and expression pedal control of harmonic content.
- The vault is unaffected by it's placement in the signal chain. (the vault does not have to be first in line)

CONTROLS ARE AS FOLLOWS

- Volume - there is plenty of volume on tap. Unity-gain is approx 11:00
Note: use the vault into a clean amplifier, do not attempt to use as an overdrive.
- Gain - the vault is a high gain design. At low Gain knob settings there will always be some grit, even when turning down your guitar volume knob. Feedback or oscillation may occur at Gain knob settings between 3:00 and max.
- Fuzz Mode toggle switch - this three position toggle switch offers a choice of fuzz modes.
The three fuzz modes are:
 - XF** - Extreme fuzz plus octave-up.
 - F1** - Fuzz only without octave-up.
 - F2** - Fuzz plus second harmonic distortion.
- Content - this knob uniquely sets the harmonic content **level** in each fuzz mode.
In the **XF** mode, Content sets the octave-up level.
In the **F1** mode, Content sets the fuzz level.
In the **F2** mode, Content sets the second harmonic distortion level.
Example: In the XF mode with the Content knob fully counter-clockwise, there will be no octave-up mixed with the fuzz. As you begin to turn the Content knob clockwise, the octave-up will start to come in. With Content knob fully clockwise, the octave-up will be at equal volume with the fuzz.
- Voice - this tone control is meant to be used over its entire rotation, covering the frequency range from upper bass to lower treble. Full counter-clockwise is for deep smooth sounds. Full clockwise is bright and cutting without being harsh and brittle.
- Treble - offers the ability to fine-tune the brightness, extending the treble range of the Voice knob.
- Bass - offers the ability to fine-tune the low end, extending the bass range of the Voice knob.
- EQ Range toggle switch - this two position toggle switch sets the midrange of the Voice knob. The up position is for scooped mids. The down position is for flat to boosted mids. The quickest way to get familiar with the vault's **Fuzz Mode** toggle and the **EQ Range** toggle is to put the Treble, Voice and Bass knobs at 12:00, and the **Content** knob at **Max**. Now as you cycle through the 3 fuzz modes and the 2 EQ modes you will be able to hear the different modes with the most contrast.



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- Expression Jack - allows the expression pedal to vary the harmonic content level, and completely bypasses the Content knob.
In the **XF** mode, expression pedal varies the octave-up level.
In the **F1** mode, expression pedal varies the fuzz level.
In the **F2** mode, expression pedal varies the second harmonic distortion level.
- For expression control, please use only the toneczar EB Expression pedal with a 1/4" TRS (stereo) cable. Do not use any other brand of expression pedal as they will not work.
- Hardwired, True-Bypass switching with ON indicator (Yellow LED).
- Built for life construction featuring full-size thru-hole components and a thru-plated FR4 epoxy-glass printed circuit board that is hand soldered, hand wired, scope-tested and tuned. there are no miniature surface-mount components. No pcb mounted pots, jacks, or switches. No aluminum electrolytic caps in the signal path. No internal trim pots, DIP switches, socketed parts, ribbon wire or push-on connectors. (nothing to work loose and fall apart).
- Like all toneczar products, the vault operates on 18 volt DC. (no batteries) The recommended power supply for the US and World market is the Cioks DC-7. Do not attempt to use a 9v power supply. The power jack is the standard 5.5 x 2.1mm. center tip - negative.
- The vault is offered in two finishes, powder-coat matte black or the optional polished aluminum. Note: this is not a show finish. It will be full of character, matching the rest of the toneczar product line. These products are designed to be installed on a pedal board and stepped on, not polished with a soft cloth and admired.
- The vault is not a clone or variant of any existing design. The vault does not use any form of diode-connected components either to ground, or in a feedback-loop, to create distortion. The vault is not any form of amp simulator, emulator or direct recording device. The vault does contain specific germanium transistors and dual opamps operating in a linear mode. No more design/tech info will be given. (Please do not ask.)

SPECIFICATIONS

Input Impedance: > 500K ohms

Output Impedance: < 50K ohms

Current Consumption: 30ma. @ 18v dc.

Dimensions: 3 1/4" W x 4 1/4" D x 2" H

(knobs add 1" to height)

Weight: approximately 1lb.