



# vault

## over the top fuzz

## features & specs

- The vault is an over the top fuzz with three modes of operation. It is not for the blues and does not feature fantastic guitar volume knob clean-up. It 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 over-drive.
- Gain - the vault is a high gain design. At most Gain knob settings there will always be some grit, even when turning down your guitar volume knob. Feedback and/or oscillation may occur at Gain knob settings between 3:00 and max, this is normal.
- Fuzz Mode toggle switch - this three position toggle switch offers a choice of fuzz modes.
  - XF** - Extreme fuzz plus octave-up.
  - F1** - Fuzz only without octave-up.
  - F2** - Fuzz plus second harmonic.
- 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 level.

Example: In the XF mode with Content fully counter-clockwise, there will be no octave-up mixed with the fuzz. Begin to turn the Content knob clockwise, and the octave-up will begin to come in. With Content 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.



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- Deep toggle switch - this two position toggle switch shifts the frequency range the Bass knob has control over. The *up* position is for guitar in standard tuning. The *down* position is for guitar in drop tuning, baritone guitar or bass. Note: Low-powered amps, open-back cabs and/or low-watt, light-cone speakers cannot reproduce deep bass. Switching the Deep toggle switch to the *down* position when using this type of amp/speaker will actually cause an audible loss of bass response. This is normal. What is needed to reproduce deep bass is a high-powered amp, closed-back cab and speakers like the DP-12A or EVM-12L, or a complete bass rig.
- Expression Jack - allows the expression pedal to vary the harmonic content level, completely bypassing 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 level.
- For expression control, please use only the toneczar EB Expression pedal with a ¼" TRS (stereo) cable. Do not use any other brand of expression pedal as they will not work.
- Hardwired, True-Bypass switching with "on" LED indicator (Yellow).
- No aluminum electrolytic or ceramic caps in the signal path. No internal trim pots, socketed components, internal DIP switches, ribbon wire, push-on connectors, pcb mounted pots or jacks. Instead, thru-plated, FR-4 epoxy glass pcb, Mil-spec components, hand soldered, hand wired, Scope Tested and Tuned.
- Like all toneczar products, the vault operates on 18 volt DC. (no batteries) A Dunlop 18v regulated wallwart is supplied for the USA, UK, or Europe (choose when ordering). Power jack is the standard 5.5 x 2.1mm. center tip - negative.
- The vault can be powered by any version of the Voodoo Lab Pedal Power by using a "Y" power cable and two Pedal Power outlets. Note: Set the Pedal Power DIP switch to *NORMAL*. A custom "Y" power cable can be exchanged for the supplied wallwart. Please specify this (and "Y" cable length) when ordering.
- 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.



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- 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 ¼" W x 4 ¼" D x 2" H

(knobs add 1" to height)

Weight: approximately 1lb.

features