



openhaus

high-gain distortion

features & specs

- openhaus can create an array of distortion tones from popular amplifiers, without needing to adjust the amplifier's tone controls away from their optimum clean tone settings.
- openhaus is unaffected by its placement in the signal chain. (openhaus does not have to be *first* in line).

CONTROLS ARE AS FOLLOWS

- Volume - while not designed as a clean boost, there is plenty of volume on tap.
- Gain - openhaus is a high gain design, however by using the guitar volume knob or the expression pedal you can vary the level of distortion, achieving almost completely clean in the gain structure **C** mode.
- Bass - features clear and powerful bass, without fake-sounding bass resonance.
- Treble - features the ability to remove fizz or buzz, while leaving the highs intact.
- Middle - the Middle knob features a center *off* detent, in this position your mids are un-touched. Turning the Middle knob clockwise boosts the mids, turning it counter-clockwise cuts the mids.
- Mid Voice toggle switch - this three position toggle switch sets the frequency range the Middle knob has control over. These frequency ranges are: Mids, Hi-Mids, and Presence. Keeping in mind that the mid range is the guitar's primary voice, the combination of proper Middle knob adjustment and correct Mid Voice toggle switch setting are the keys to unlock the array of tones available in openhaus. Note: openhaus Mid Voice frequency ranges are different from what is used in the dove.
- Gain Mode toggle switch - this three position toggle switch offers a choice of gain structures. (Note: This is not a clipping diode or LED selection switch.)
The three gain structures are:
 - X** (Extra gain) - this is the heaviest, most modern mode.
 - C** (Cleanest) - this mode features beautiful distortion, smooth note decay, and will provide a variety of textures via guitar volume knob or using the expression pedal.
 - S** (Super lead) - this mode features an upper mid *push* for cutting lead work.
- Deep toggle switch - this three position toggle switch sets the frequency range the Bass knob has control over. These frequency ranges are: Upper bass, Mid bass, and Low bass. The combination of the Bass knob and Deep toggle allows openhaus to work with guitar, drop-tuned guitar, baritone guitar and bass guitar.



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- Expression Jack - the main challenges with using the guitar volume knob to control distortion level are: There is a loss of treble when rolling down the guitar volume knob and not all guitars have a volume knob positioned to allow graceful, quick adjustments. The expression jack on openhaus allows the use of the toneczar EB Expression pedal to vary the distortion level (gain) with no loss of highs. This offers far greater control because you can adjust the gain while playing and can hear when your tone is as clean or distorted as you desire. You will discover that you can use more distortion than you would normally be able to get away with, because you can gracefully ease into and out of, a beautiful high-gain tone.
- The expression pedal jack, (when in use), does not bypass the openhaus Gain knob. The openhaus Gain knob sets the maximum available distortion, and the expression pedal sweeps between *off* and the setting of the openhaus Gain knob.
- 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 (Red).
- 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, openhaus 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.
- openhaus 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.
- openhaus 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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- openhaus is not a clone or variant of any existing design. openhaus does not use any form of *diode-connected* components either to ground, or in a feedback-loop, to create distortion. openhaus is not any form of amp simulator, emulator or direct recording devise. openhaus does contain four 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: 40ma. @ 18v dc.

Dimensions: 3 ¼" W x 4 ¼" D x 2" H

(knobs add 1" to height)

Weight: approximately 1lb.

features