



# openhous

## high-gain distortion

## features & specs

- openhaus is designed to create an array of high-gain distortion tones using a high-wattage, single-channel, clean-tone amplifier, 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. (openhous 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, even for scooped mid tones.
- Gain - openhaus is a high gain design, however by using the guitar volume knob (or the optional expression pedal), you can vary the level of distortion, achieving almost completely clean in the C gain mode.
- Six-band active EQ, featuring 18db of boost (full clockwise of 12:00) or 18db of cut (full counter-clockwise of 12:00). The six-band EQ is flat with all six knobs at 12:00.
- The six-band active EQ is arranged in the familiar, progressive way, with the lowest frequency (Bass) on the far left, and the highest frequency (Sizzle) on the far right.
- Gain Mode toggle switch - this three position toggle switch offers a choice of gain structures.  
The three Gain Modes are:
  - X** (Extra gain) - this is the heaviest, highest gain 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 of the Bass knob.  
Note: when changing the Deep toggle setting, the Bass knob will need to be re-adjusted.  
The three frequency ranges are:
  - High bass (toggle up) use with openback cab or low wattage speakers.
  - Standard bass (toggle middle) use with guitar in standard tuning.
  - Low bass (toggle down) use with drop tuning, baritone or bass guitar and closed back cab.
- 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.



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- 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 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 (Red 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, openhaus 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. Power jack is the standard 5.5 x 2.1mm. center tip - negative.
- 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.
- 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 or emulator design. openhaus does contain a number of 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: 45ma. @ 18v dc.  
Dimensions: 3 1/4" W x 4 1/4" D x 2" H  
(knobs add 1" to height)  
Weight: approximately 1lb.