



dove

low/medium gain distortion

features & specs

- The dove 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.
- The dove is unaffected by its placement in the signal chain. (The dove 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 - the dove is a low to medium gain design, using the guitar volume knob, or expression pedal, you can clean up.
- 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 the dove. Note: the dove's Mid Voice frequency ranges are different from what is used in openhaus.
- 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 completely clean up via guitar volume knob, or using the expression pedal.
 - S** (Super lead) - this mode features an upper mid push plus a top boost.
- Deep toggle switch - this two position toggle switch (up is *on*) provides additional warmth and fullness to the low bass. This is especially useful when the dove Gain knob is set for low gain (distortion) tones and it's desirable for the low bass to match the bypassed (clean) tone.



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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 the dove 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 dove's Gain knob. The dove's Gain knob sets the maximum available distortion and the expression pedal sweeps between *off* and the setting of dove's 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 (Green).
- 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 dove 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 dove 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 dove 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 dove is not a clone or variant of any existing design. The closest relative is the toneczar openhaus. The dove does not use any form of *diode-connected* components either to ground, or in a feedback-loop, to create distortion. The dove is not any form of amp simulator, emulator or direct recording devise. The dove 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: 45ma. @ 18v dc.

Dimensions: 3 ¼" W x 4 ¼" D x 2" H (knobs add 1" to height)

Weight: approximately 1lb.

features