



dove

low/medium gain distortion

features & specs

- The dove is designed to create an array of 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.
- 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, even for scooped mid tones.
- Gain - the dove is a low to medium gain design. Use the guitar volume knob (or the optional expression pedal) to vary the level of distortion, achieving completely clean to beautifully distorted tones in the C gain Mode.
- Sizzle - a gain control for the upper frequency harmonics. When set full clockwise the upper treble frequencies will have a distinct sizzle or edge. When set full counter-clockwise, the upper treble frequencies will be round and smooth. The higher the Gain knob is set, the more obvious the effect of the Sizzle knob.
- Three-band active EQ (Treble / Middle / Bass) features 18db of boost (full clockwise of 12:00) or 18db of cut (full counter-clockwise of 12:00). The three-band EQ is flat with all three knobs at 12:00.
- 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 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.
 - T** (Top Boost) - this mode features an upper treble boost for cutting rhythm or lead work.
- Deep toggle switch - this two position toggle switch (On is up) provides additional warmth and fullness to the low bass. This is especially useful when the dove Gain knob is set for low gain tones or when it's desirable for the low bass to match the bypassed (clean) tone.
- 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 medium-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 the 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.



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- Hardwired, True-Bypass switching with ON indicator (Green 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 or fall apart).
- Like all toneczar products, the dove 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 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.
- The dove is not a clone or variant of any existing design. 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 or emulator design. The dove 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 ¼" W x 4 ¼" D x 2" H (knobs add 1" to height)

Weight: approximately 1lb.

features