



# dove

## low/medium gain distortion

---

- The dove can create a vast 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 untouched. This can be useful as a mids *baseline*.
- Turning the Middle knob clockwise boosts the mids. Turning it counter-clockwise cuts the mids.
- Mid Voice toggle switch - this three position toggle switch works with the Middle knob to provide three ranges for the Middle knob to work. These ranges are: Mids, Hi-Mids, and Presence. The combination of the Middle knob and Mid Voice toggle allows the dove to work with a variety of amplifiers, and provide an array of tones. Note: These ranges are different frequencies than 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 for cutting lead work.
- Phase toggle switch - this two position toggle switch inverts the output phase of the dove. At stage volume levels (with the dove set to max gain), feedback can become troublesome. Switching the Phase toggle switch can be very helpful in controlling un-wanted feedback. Note: the opposite is also true - at times feedback IS wanted. Switching the phase toggle can also create an environment for feedback. Note: At bedroom levels, this toggle switch will make little (or no) difference; this is normal.



# dove

## low/medium gain distortion

---

- Expression Jack - the three main challenges with using the guitar volume knob to control distortion are: 1) Not all guitars have a volume knob positioned to allow graceful, quick adjustments. 2) You have to stop playing to adjust the volume on most guitars (except the strat-types). 3) You have a loss of treble or tone when rolling down the guitar volume knob, which causes a less sparkly, often muddy, clean tone.
- The expression jack on the dove allows the use of the toneczar EB Expression pedal to clean up, with No loss of highs or tone. This offers far greater control because you do not have to stop playing to adjust the gain, and you can hear when your tone is as clean as you desire. You will find you can use far more gain than you would normally be able to get away with because you are not shocking your audience. Instead, you can ease them into, or 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 dove's Gain knob setting.
- 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, DIP switches, socketed parts, ribbon wire or push-on connectors. 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.



# dove

## low/medium gain distortion

---

- 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 or emulator design. 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