



BETRAYER™ TRANSPARENT DISTORTION Datasheet

Features:

- Screamin' distortion - want a clue for the style – it's going to 'betray' you out!
- 308 opamp style gain stage is clipped by 3 diode choices – vintage dark, open circuit and tight metal with the mode switch. Uses a secret opamp that has amazing tone for this pedal.
- 3 stage passive tone control with bass, mid and treble adjustments allow you to dial in any tone. Extremely versatile.
- Transparent panel on the front enables you to see the tone making guts! It is patent pending and has a metal EMF radiation shield (look closely, you'll see a grid under the clear part).
- LED indicator makes the insides glow when pedal is on.
- True Bypass input and output (Will not load other pedals when off).
- Draws <6mA current when on (about 150 hours of continuous on with a cheap 9V battery)
- Handcrafted in USA.

Description:

Based on a classic distortion but updated for modern playability and the ability to work well with other pedals on your pedalboard. Three clipping choices enable an extremely wide range of different distortions from a dark vintage distortion, to vintage drive to tight metal sounds. A buffer at the input matches impedance and makes it work great with other pedals in front. All stages are internally impedance matched. A gain boost at the output always maintains stage volume. Jacks on top save pedalboard space. The pedal is true bypass and handcrafted in the USA!

Care: The top is made from abrasion resistant plexiglass. Like a guitar finish, it will scratch but it is very durable. To clean, use a soft cloth (such as a glasses cleaner cloth or the pouch it comes with) and wipe with a little water. Scratches are not covered in the warranty.

Notes: Runs off of a 9V Boss Style 2.1mm center pin negative power supply or 9V battery. To insert the battery, remove the 4 phillips screws on the back panel, replace battery and put screws back in.



Pedal labels are etched on the top clear abrasion resistant layer and drawn on the circuit board below.

Tweak the Knobs:

Distortion: This knob controls the amount of the distortion. It is the feedback gain of the opamp, which boosts up your signal that is clipped by the diodes.

Mode: Three way switch controls the clipping mode.

Volume: This knob controls the volume of the distortion effect. It controls a boost stage that will add about 4dB of gain to the pedal if you turn it up so that you can always maintain stage volume. Works great as an overdrive with the distortion down and volume up.

Bass: This knob controls the bass tone of the pedal. Fully left is flat, turn it right (clockwise) to boost the bass response.

Mids: This switch controls the midrange of the pedal. Fully right is flat and turning it left (counter clockwise) scoops the mids.

Treble: This switch controls the treble response. Fully left is flat, turn it right (clockwise) to boost the treble response.

tone TIP: Try starting with **Mids** maxed clockwise and **Treble** / **Bass** on low fully counterclockwise. Adjust the tone from there.