NOT A TOY

TRIED THE REST…?

Researched and designed to produce a sound that is radically different from any "fuzztone" you've ever heard before — a sound as mellow as a vintage "twin", or as bone-crushingly powerful as a battery of those famous English stacks — instantly, at any volume.

Smooth, continuously variable controls for distortion amount, filter cutoff and volume level let you preset just the right degree of overdrive, tune in on the presence without the tinny treble, and balance the output for that perfect extra boost.

Top grade materials like the rugged steel chassis, mil-spec circuit board, conductive plastic pots and heavy-duty industrial footswitch mean trouble-free reliability on the road.

Careful circuit design and component selection for micropower operation ensure extended battery life.

The true bypass mode switches both input and output from the signal path to eliminate the loss of power and clarity often caused by other devices.

…THEN BUY THE BEST.

The Rat's smooth harmonic distortion puts the extra punch in rhythm work and makes solos cut through with authority, power and effortless sustain. Distortion, fuzz, overdrive…from the sweet wail of the blues to the grinding raunch of the heaviest rock…

THE RAT.

THE LAST FUZZ YOU'LL EVER NEED.

SPECIFICATIONS

Input Impedance:.....1 Megohm
Output Impedance:.....1 Kilohm
Gain:..... 60 dB
Equivalent Input Noise:..... —110 dB
Filter:..... 6 dB/octave low-pass
Output level: ..... 1.2 volts peak-to-peak
Current Consumption: .....800 micro-amps
Power Requirements:.... 9V battery or external DC
..... power supply (Mini-jack provided)
Dimensions:..... 2-7/8"H. x 4-1/16"L. x 3-1/8"W.
Weight: .....1-3/4 lbs.

Unplug the input cable to shut off the battery when not in use.

PRO CO SOUND

PRO CO SOUND, INC. • 225 PARSONS STREET • KALAMAZOO, MI 49007

OPERATING INSTRUCTIONS FOR THE RAT

1. **BATTERY OPERATION:** For battery operation high-quality 9-volt alkaline battery (Mallory MN1604 or equivalent) is recommended. THE RAT DOES NOT COME WITH THE BATTERY INSTALLED.

2. **BATTERY INSTALLATION:** Turn the unit over and remove the round knurled thumbscrew to remove battery compartment cover. Observing proper polarity, snap the battery terminals into the battery clip provided. Tuck the battery into the battery holder in the cover. Replace the cover on the battery compartment (be sure the wires are safely inside) and replace and tighten the thumbscrew.

IMPORTANT NOTE: Inserting a plug in the INPUT jack turns the battery on. The plug must be a standard 1/4" 2-conductor type such as a Switchcraft #280 or #228. "Stereo" (3-conductor) plugs, or 2-conductor plugs with long insulators between the tip and sleeve (Switchcraft #288) will NOT work with THE RAT.

3. **POWER SUPPLIES:** The jack marked "+9VDC" between the INPUT and OUTPUT jacks disconnects the battery when a mini-plug is inserted in it. This allows the use of an external power supply or "AC adapter" (Pro Co RPS-1 or equivalent). The power supply should be well-filtered to minimize hum and should not exceed +15VDC. The current required is very low (approximately 5 mA).

WARNING! The power supply must use a negative ground (tip of the plug must be positive). Use of negative supplies can result in damage to both THE RAT and the power supply. If THE RAT works on battery power but does not work when the external power supply is connected the probability is almost 100% that the power supply is of the wrong polarity. Disconnect it immediately to avoid damage.

4. **OPERATION:** Install a battery or connect a suitable power supply. Connect your instrument to the INPUT jack (for best results with guitars, set your instrument controls to full). Connect your amplifier to the OUTPUT jack and set its controls as you normally would.

Set the controls on THE RAT as shown in Fig. 1. Press the footswitch to turn on the effect. This setting produces a "bluesy", soft-clipped distortion much like that of a small tube amp. Fig. 2 is a very "biting" lead sound with lots of harmonic emphasis; use the treble pick-up on your guitar and vary the DISTORTION control a bit to "home in" on the overtones for a subtle, fixed — "wah" effect. Fig. 3 is the bone-crunching heavy metal or fusion sound, yielding incredible power and smooth effortless sustain.