



## 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 the 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, sustain, 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:	..... 3-1/8"H. x 5"W. x 4-1/2"D.
Weight:	..... 1-1/2 lbs.

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

## OWNER'S INSTRUCTIONS

1. BATTERY INSTALLATION: THE RAT is designed to operate from either a standard 9-volt battery or from an external power supply ("battery eliminator"). If battery operation is desired, a high-quality alkaline type, such as Mallory MN1604, is recommended. Battery life should be quite long (approx. 50 hrs.) with a battery of this type. To install the battery, first remove the four black Phillips screws to open up THE RAT. Next snap the battery clip to the battery being careful to mate the terminals properly. Loosen the Phillips screw enough to allow the battery to be slipped underneath the overhanging battery clamp (on top of the piece of foam tape). Retighten the Phillips screw and reassemble THE RAT.

IMPORTANT NOTE: Plugging the cable from your instrument into the INPUT jack turns on the battery; to prolong battery life remember to unplug the INPUT when not in use. The input plug must be a standard 1/4" 2-conductor type (Switchcraft #280 or #228). "Stereo" (3-conductor) plugs and 2-conductor plugs with long insulators between tip and sleeve (Switchcraft #288) will not work in THE RAT.

2. POWER SUPPLIES: The jack marked "+9VDC BATTERY ELIMINATOR" disconnects the battery when a plug is inserted in it, thereby allowing the use of a line-operated power supply. This power supply must be a negative-ground DC power source. It should be well-filtered to prevent excessive hum and should not exceed +15VDC. The current required is very small (less than 5 mA).

3. OPERATION: Obtaining a sound is very simple. Install a 9-volt battery or connect an appropriate power supply. Connect your instrument to the INPUT jack (for best results with guitars, turn volume controls on instrument 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 sound 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.

These settings are only a rough guide, of course! Experiment with different combinations of instrument/RAT/amp control settings to obtain your own sounds from THE RAT.

DISTORTION      FILTER      VOLUME

Fig. 1.



Fig. 2.



Fig. 3.

