Owner's Instructions

DEUCETONE
RAT

1. BATTERY INSTALLATION: All RATs are designed to operate from either a standard 9-volt battery or from any external 9-volt power supply. If battery operation is desired, a high-quality alkaline type battery should be used.
To install the battery: 1) remove the thumbscrew on the bottom of the unit which holds the battery door closed. 2) snap or slide the battery into the battery holder located on the reverse side of the battery door. 3) match up the positive and negative terminals to their corresponding mate and secure the terminal. 4) Replace the battery door (Please note that on some RATS, the battery will press against the circuit board. This should not harm the device but, please make sure that there is nothing else in the battery compartment except for one standard size 9-volt battery.) 5) Line up the screw holes and tighten down thumb screw making sure not to cross thread the screw. A 9-volt power supply is recommend for the Deucetone.

IMPORTANT NOTE: Plugging the cable from your instrument into the INPUT jack turns on the power from the battery. Be sure to unplug the INPUT cable when you are finished using the RAT; this will prevent unnecessary drain on the battery.

2. CABLE INPUTS: The input plug must be a standard 1/4" 2-conductor type cable end, such as the BF2P or RF2P phone plugs (standard equipment on Pro Co cables). 3-conductor (stereo) plugs WILL NOT work in the RAT. When connecting the Deucetone, either one or both sides can be connected. If you wish to have two independent effects pedals, connect your instrument into Channel A / B inputs, the output of Channel A into the input of Amp A, and the output of Channel B into your amplifier. If you wish to have the ability to cascade Channel A into Amp B, connect your instrument into Channel A and the output of Channel B will connect to your amplifier. See Wiring Diagram

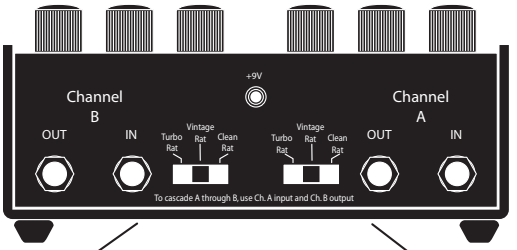
3. POWER SUPPLIES: The jack marked "+9V" disconnects the battery when a plug is inserted in it, thus permitting the RAT to be powered from a line-operated power supply. This power supply must be a negative-ground DC power source. It should be well filtered to prevent excessive hum and should not exceed +12VDC. The current requirements are extremely low (about 5 mA is more then enough). A 9-volt 50 mA calculator-type power supply found at many electronic stores should be adequate. For the best possible performance and reliability use a Pro Co Sound RPS1 Battery Eliminator is definitely recommended for the Deucetone.

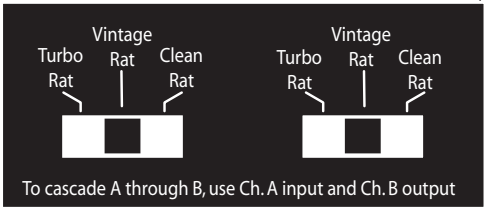
4. OPERATION: Obtaining a desirable sound is very simple and virtually self-explanatory. Install either a 9-volt battery or appropriate 9-volt power supply. Connect your instrument to the Deucetone as explained in the CABLE INPUTS section or review wiring diagram.

Remember that the Duectone is two RAT distortion devices in one. The first set of setting can be used on either channel on any "RAT" setting to get you in the ball park. Switching between the different "RATS" on the back panel will give you a very different sound.

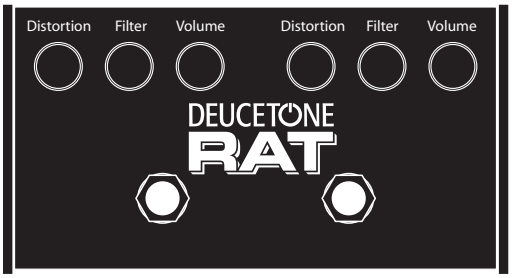
The second group of settings take advantage of the Deucetone's ability to cascade one channel into the other. Cascading channels may prove to be more difficult but will have larger room for variations. Remember to change one side at a time. It is also helpful to write down some custom settings for easy reference. To share your settings, log onto www.procosound.com and submit them on our message board.

Back View



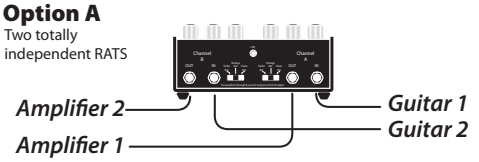


Top View



Wiring Diagram

Option A
Two totally independent RATS



Signal path is moving from right to left

Option B
Have the ability to cascade Channel A into Channel B

Signal path is moving from right to left

INPUT:
Connect your instrument using a 1/4" phone jack here

9-VOLT PLUG:
Connect your RPS-1 or other external power supply here

OUTPUT:
Connect your amplifier using a 1/4" phone jack here

TOGGLE SWITCH:
Use these toggle switches you can choose one of four RAT distortion devices

CASCADE:
The cascade feature trickels channel A into channel B adding both RAT distortions to the mix

DISTORTION:
Controls the amount of gain in the op-amp circuit. Turn it clockwise to increase the amount of gain.

FILTER:
This is the tone control. Turn this high cut filter clockwise to decrease the amount of treble.

VOLUME:
This controls the total volume output of the RAT. Turn this clockwise to increase the total volume.

FOOT SWITCH:
This control turns the RAT on or off. When off the RAT does not reduce signal quality.

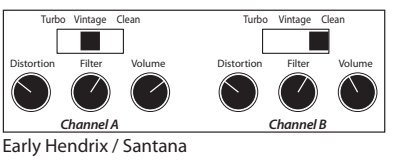
A starting point for single RAT channel

Blues Type Tone

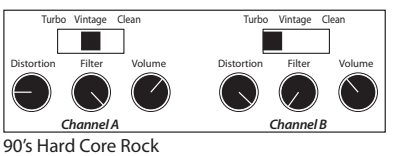
Lead Type Tone

Heavy Type Tone

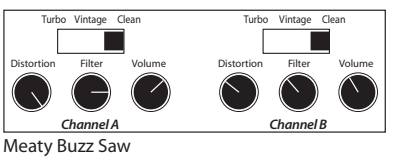
A starting point for using the Deucetone's cascade effect where Channel A cascades into Channel B



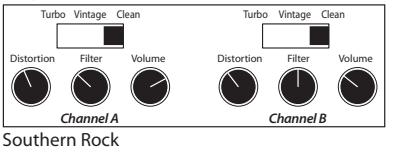
Early Hendrix / Santana



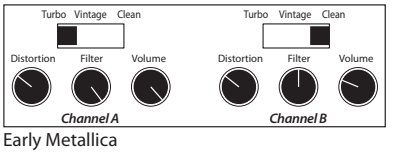
90's Hard Core Rock



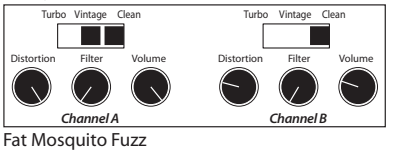
Meaty Buzz Saw



Southern Rock



Early Metallica



Fat Mosquito Fuzz