

V-1 BOTTLE ROCKET - TUBE OVERDRIVE

OPERATING GUIDE

Congratulations on your choice of the Mesa V-1 Tube Overdrive for your external gain enhancement needs. You will find that this all-tube circuit provides a rich, lush spectrum of additional gain that can be switched in at will to your existing Mesa amplifier, (or any amp) creating an extra mode of undeniably great tone.

OVERVIEW

The V-1s' GAIN and OUTPUT controls can be used to create sounds that range from stripped, urgent blues style to blistering, vocal lead sounds. Small amounts of "pre-amp" GAIN can be used with the OUTPUT control cranked up driving the first stage of your host amp with a large signal for an expressive low gain purr. A saturated GAIN setting and a more normal OUTPUT signal level produces a singing, liquid high gain voice with greatly increased sustain. No matter which of these styles you rely on for your signature sound, the V-1 is a valuable addition to your rig.

Tone can be shaped with amazing power via the V-1 TREBLE and BASS controls, which have an ability add cut, brilliance, fatness and girth that seems even more impressive than some amplifiers' on board tone control network.

Straightforward layout, all-tube circuitry, rugged tight tolerance Mesa components and our rugged handmade build quality put the V-1 at the front of the space race when it comes to gain in a gigbag.

Here are some guidelines and suggestions that will help you in achieving the most from your Bottle Rocket;

- The V-1 was designed to be used IN FRONT OF A HOST AMPLIFIER or PREAMP to provide additional sounds that may be switched in and out. IT IS NOT RECOMMENDED FOR USE IN EFFECTS LOOPS as INCREASED GAIN AND/OR SIGNAL LEVELS IN THIS PART OF MOST CIRCUITS WILL CAUSE OSCILLATION.
- SHIELDED CABLE should be used on both INSTRUMENT and AMPLIFIER jacks when connecting the guitar to the V-1 and the V-1 to your host amplifier.
- INTERCONNECT CABLES SHOULD BE OF GOOD QUALITY AND LOW CAPACITANCE RATING.

- The Shortest Possible Cable Length Will always Improve Your Sound. LONG (more than 10') CABLE LENGTHS WILL BEGIN TO ROLL OFF TOP END making your sound darker and less punchy.
- **DON'T RUN ALL THE CONTROLS MAXED!** Sometimes Less Is More. As cliché' as it sounds the old saying is true. Use the controls sensibly to achieve the desired effect. If you are using the GAIN high, turn the TREBLE , BASS and OUTPUT down. If you want to push the host amps' front end with a high OUTPUT level, turn down the GAIN and BASS. All four controls are extremely interactive and a blend of each is essential in obtaining great results. **Remember...The V-1 is capable of levels far in excess of the signal your guitar will produce... so GO EASY till you learn the curves !**
- HIGH GAIN SETTINGS USUALLY REACT BETTER WHEN COMBINED WITH LOWER BASS SETTINGS.
- REMEMBER THE HOST. With the V-1 connected there is sometimes a tendency to start using it for all gain and shaping. Remember that getting a great sound is always a combination of many factors. Begin by deciding which sound on the host amp is most important to you and setting it for that sound. Generally speaking **the V-1 was designed to perform best when the host amp is set moderately(clean)**. Next, try to incorporate the V-1 by dialing it so that you don't have to change the setting of the host amp to achieve the desired sound. In some cases,(usually very high gain scenarios) you may have to compromise on the host amp to get the blend of sounds you need. The two components work together to achieve your sound.
- TUBES SWAPPING is NOT RECOMMENDED. Your V-1 was tech'ed and shipped with tubes that were hand picked to work best with your particular unit. High gain tube circuits require more attention to the quality of tube used in them and these were the best available at the time we built your preamp. Should you experience microphonic noise or other tube related noise, you may then feel free to replace them one at a time with new replacement tubes from us. See your nearest M/B Pro Center or call us direct and ask for a Product Specialist and they will assist you in obtaining more Genuine Mesa hand- picked replacement tubes.

TROUBLE SHOOTING

- **TUBE SERVICE** : If you must replace a tube to correct a microphonic or other noise problem follow these steps;
 1. Disconnect the V-1 from the host amplifier or put host amp into STANDBY mode.

2. Remove the two knurled thumb screws from the tube cage by turning counterclockwise.
3. Grasp the tube (not the tip) and gently rock back and forth while pulling gently up.
4. Line up the new tubes' pins with the gap in the tube socket (you may want to use a flashlight) and insert the new tube carefully and gently. If it won't go in fairly easily stop and start over. Do Not Force the Tube or you may damage the pins in the socket.

Sample Settings -- (In Clock Face Settings)

* All Sample sounds are to be used with the Host Amplifier set to a balanced clean sound in a Rhythm Channel.

	G	B	I	O
Push The Host	9:15	11:30	12:00	2:00
Solo Burn	12:00	11:00	12:30	10:30
Liquid Honey	1:30	10:15	1:15	10:00