

# All About Polytone

## owner's Manual for Operating Amplifiers

MEGA BRUTE \* MINI-BRUTE I \* MINI-BRUTE II \* MINI-BRUTE III \* MINI-BRUTE IV

### A NOTE TO YOU THE OWNER

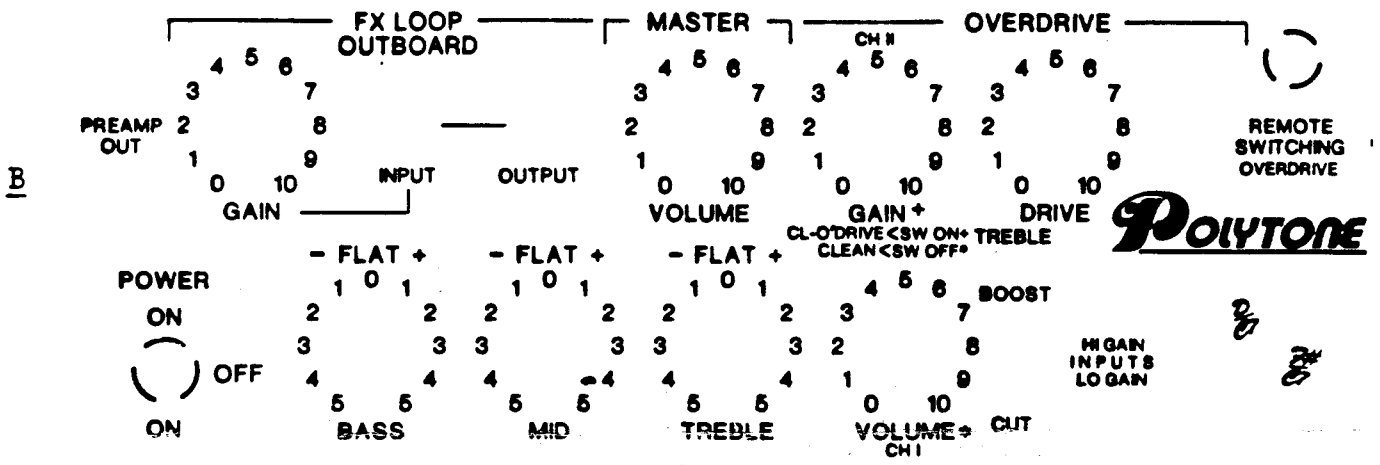
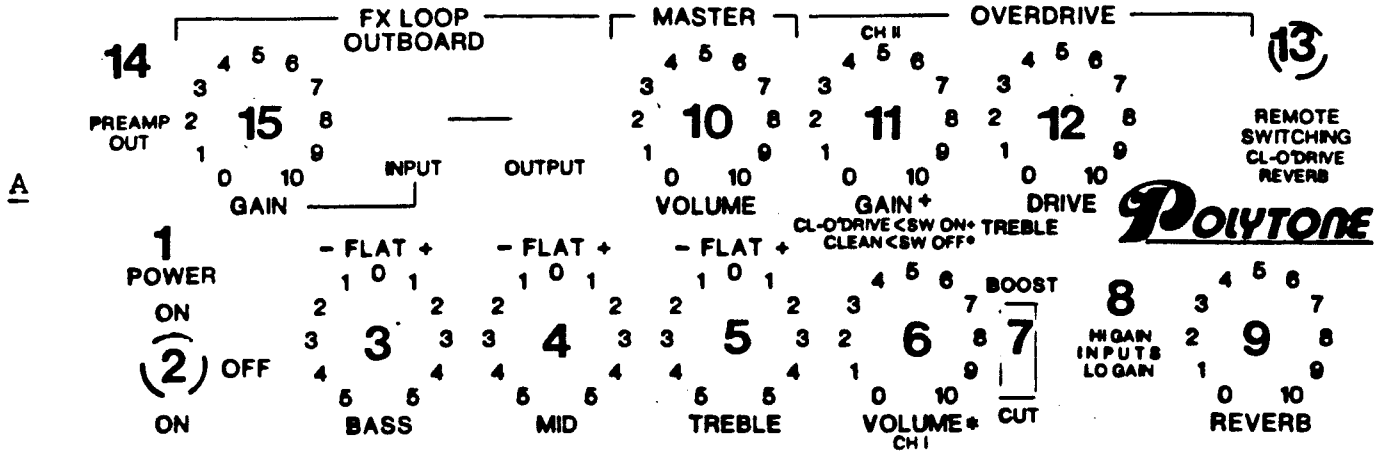
Congratulations on your selection of a POLYTONE amplifier. The equipment is designed with you in mind. Like you, we are musicians and our equipment is for making music, not marketing statistics. Of course we appreciate and enjoy the fact that, along with our quality of workmanship and engineering, we are realizing our share of the market. At POLYTONE, the engineers are professional musicians so they know what an amp is supposed to do and what is needed to keep it operating at the high levels demanded of today's equipment. Each amplifier meets the highest possible standards for quality and performance. Before we ship any of our products, they must pass a series of intensive and rigid quality control tests - some of the toughest in the industry. We're happy to say that your amplifier was made by skilled and dedicated craftsmen who take pride in their work. This is your assurance that your POLYTONE equipment will be ready when you are. POLYTONE delivers the sound you want. After all, we're musicians like you.

### INTRODUCTION

These are your instructions for operating and performing with POLYTONE equipment. Keep them with you and most importantly, go through them now. These instructions take you through the various steps of setting up and showing you how to use the various controls. After all, you've got to feel good about the equipment you are working with in order to play your best; and that is exactly the purpose of this manual: to introduce you to POLYTONE, your amp and its features. If you have any questions, problems or just want to say hello, feel free to write at any time. Thanks for being with us.

### PROPER USE OF POLYTONE EQUIPMENT

1. Place volume controls at 0 before turning on amp.
2. Always plug cord into instrument before plugging it into the amp.
3. Since these amps are solid state, we do not have a heat factor. Your amp operates extremely cool.
4. During intermission, be sure that the volume control is turned off either at the amplifier or your instrument. This avoids the risk of any surprise feedback squeal.
5. POLYTONE speakers are capable of handling extreme power. They are specially designed, utilizing a high-temperature epoxy. However, when using the amplifier for long periods of time at any overdriven, distorted level, the power into the speakers jumps to 160-170 watts. Use good sense.
6. Minimum exterior speaker impedance is 4 ohms. If improper impedance is used, the amplifier will operate extremely hot, which could cause damage. Much better results can be achieved by using our Sidekick cabinet for extra power.
7. Do not set beverages on top of the amplifier. Sugared drinks as well as others can cause severe damage if spilled into the amplifier.
8. It is necessary that the proper value fuse be used. If improper value is used, the guarantee will be voided. If an amp blows fuses, the unit should be taken to a qualified service center for repairs. (For fuse value, refer to page 3.)
9. MALICIOUS DAMAGE OR MISUSE OF THE EQUIPMENT WILL AUTOMATICALLY NULLIFY THE GUARANTEE.



1. PILOT LIGHT: indicates when the electric supply is being fed to the amp.
2. POWER SWITCH: three position - OFF (center) - ON (upper and lower). The reason for two ON positions is to give you the option to reverse polarity to eliminate 60Hz hum and to avoid electrical shock when touching your instrument.
3. BASS Potentiometer: flat setting at 12 o'clock. Turn dial clockwise to add up to 20db of bass; turning counterclockwise rolls off up to 20db of bass.
4. MIDRANGE Potentiometer: flat setting at 12 o'clock. Turn dial clockwise to boost or left to cut.
5. TREBLE Potentiometer: flat setting at 12 o'clock. Turn dial clockwise to add up to 20db of Treble or counterclockwise to cut up to 20db of Treble.
6. CHANNEL I VOLUME Potentiometer: allows control of volume.
7. TONAL COLOR SWITCH: center position is Normal. By flipping up to Brite, you've got an extra 10db of highs; or flip to Dark (down) and cut back 10db. This switch works independently of the Bass, Midrange and Treble controls.
8. INPUTS: Hi Gain - use this for most instruments. Lo Gain - this one's for instruments with exceptionally hot outputs like organs, synthesizers and other keyboards.
9. REVERB Potentiometer: controls amount of reverb (Hammond 3 spring) which can also be remotely controlled by a dual footswitch (optional). This feature is not included in MINI-BRUTE I and III models.
10. MASTER VOLUME Potentiometer: will determine the amount of output signal. For example, if you want natural distortion from the preamp, turn up to full volume on CH I. Set MASTER VOLUME at low volume. For ultra clean sound, reverse this setting.
11. CH II Clean/Overdrive GAIN Potentiometer: to activate this channel for total distortion, switch on GAIN pot (this automatically deactivates CH I) This channel will give you a quasi-clean sound or total distortion.

- This pot must be switched OFF to get CH I.
12. DRIVE Potentiometer: this determines whether CH II will be clean or totally distorted. The higher the level, the more distortion and volume. Set it to your liking. This channel has a different timbre of clean than CH I and is excellent for country or rock. For a clean sound from CH II, set DRIVE no more than 2 on the dial, and GAIN to your preference. When the DRIVE pot is at 2, you will have to increase the level of the GAIN pot. Depending upon the setting of the DRIVE pot, you can balance the volume between CH I and CH II by presetting the CH II GAIN and CH I VOLUME. If set properly, your volume will be equal when switching from CH I to CH II.
  13. REMOTE SWITCHING JACK for Clean-Overdrive/Reverb: to remotely control CH II (Cl-distortion) and reverb with our optional dual footswitch. The POLYTONE Clean sound (CH I ) is automatically cancelled when distortion (OVERDRIVE GAIN) is switched on. To switch from CH I to CH II, the GAIN switch must be switched on.
  14. PREAMP OUT JACK: this is solely a preamp signal for use with our SIDEKICK Cabinet or any other high quality amplifier or mixer.
  15. FX LOOP OUTBOARD: for use with external effects devices. The OUTPUT feeds signal to the Effect. Volume is preset at the factory. To hookup: connect cord from INPUT (TO INST) on device to OUTPUT on amp and a cord from OUTPUT (TO AMP) to INPUT on amp. Adjust volume on INPUT. Plug instrument into preamp. You are now able to balance the amount of effect with the straight instrument sound.

#### LOWER REAR PANEL

1. EXTENSION SPEAKER JACK: output jack for use with our POLYTONE Monitor cabinets perfectly matched for our amplifiers.
2. HEADPHONE JACK: cuts out main speaker.
3. Heavy Duty BRACKETS: for wraparound storage of power cord.
4. POWER CORD: for your safety, we use a three-wire line with a ground. It is not a good idea to remove the ground pin under any circumstances. If it is necessary to operate the amp with the old 2-prong plugs, a suitable adapter should be used. Operating amp with the proper grounding receptacle reduces hazard of shock.
5. FUSE: located in the cap of the fuseholder, this should be replaced with one of proper value should it fail. In order to keep the guarantee in effect, you must replace this fuse with the correct rating, otherwise the warranty will be voided. Should your amplifier repeatedly blow fuses, take it to your nearest qualified service center for repair. FUSE RATING: 2A (250v) Slow Blow (MDX 2) BUSSMANN.

ILLUSTRATIONS:    A for models Mega-Brute, Brute II and IV  
                               B for models Brute I and III