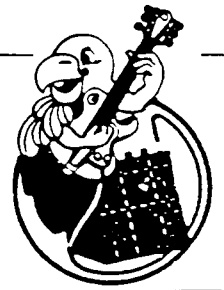




The Company Where Sound And Portability STILL Count

**POLYTONE** *//// ON THE MOVE ///*



## OWNERS MANUAL FOR MINI-BRUTE SERIES

### 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 which 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.

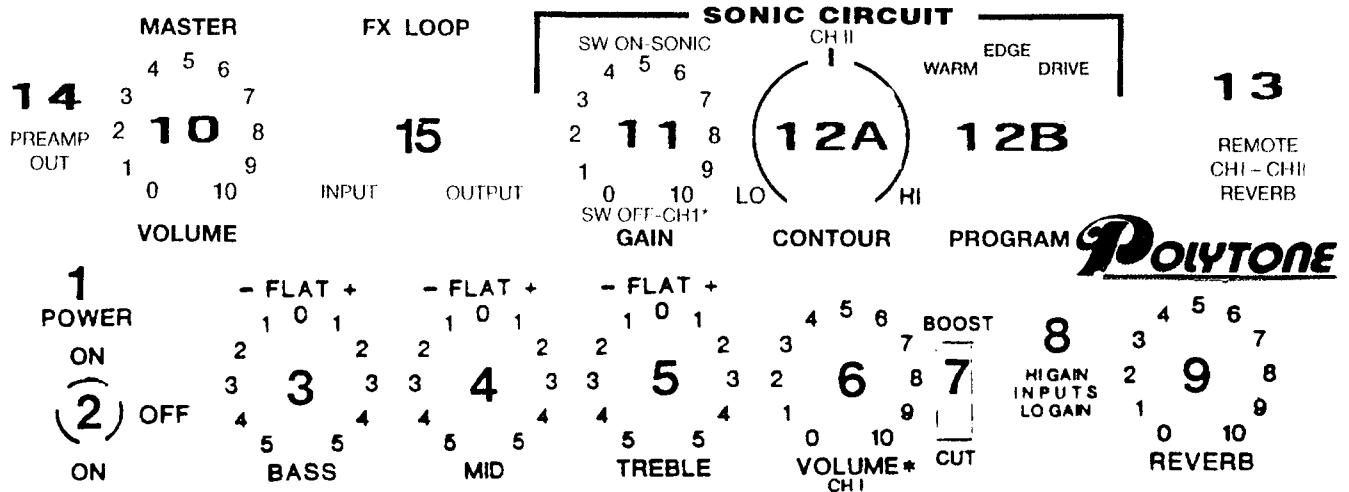
### PROPER USE OF POLYTONE EQUIPMENT

1. Place volume controls at 0 before turning on amp.
2. Always plug cord into instrument before plugging into 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 to avoid the risk of 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 no 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. **PLEASE NOTE: MALICIOUS DAMAGE OR MISUSE OF THE EQUIPMENT WILL AUTOMATICALLY NULLIFY THE WARRANTY.**

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### **POLYTONE MUSICAL INSTRUMENTS INC.**

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**OPERATING INSTRUCTIONS FOR MINI-BRUTE SERIES**

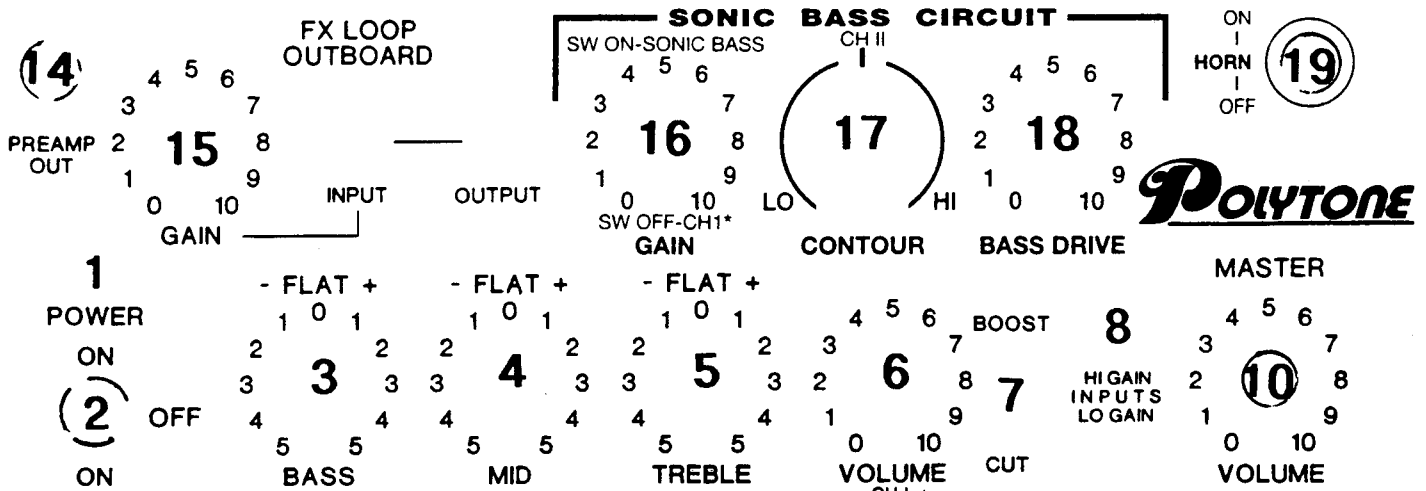
1. PILOT LIGHT: Indicates when the electric supply is being fed to the amp.
2. POWER SWITCH: A three position switch - ON - OFF - ON. The reason for two ON positions is to give you the option to reverse polarity to eliminate 60Hz hum and to avoid electrical shock when touching your instrument.
3. BASS POTENTIOMETER: flat setting at 12 o'clock. Turn dial clockwise to add up to 20db of bass; counterclockwise to roll 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 c'clock. Turn dial clockwise to add up to 20db of Treble; counterclockwise to cut up to 20db of Treble
6. CHANNEL 1 VOLUME POTENTIOMETER: allows control of volume.
7. TONAL COLOR SWITCH - BOOST OR CUT HIGHS: center position is normal. By flipping up to BOOST, you've got an extra 10db of highs; or flip to CUT (down) and cut back 10db. This switch works independently of the Bass, Midrange and Treble controls.
8. INPUTS: Hi Gain is used for most instruments; Lo Gain for instruments with exceptionally hot outputs such as 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 the SONIC BASS.
10. MASTER VOLUME POTENTIOMETER: determines the amount of output signal. For quiet operation, set the MASTER VOLUME at 12 o'clock. Turn up channel volume. For full power of output signal, run MASTER VOLUME wide open and turn channel volumes down.

FOR Models: MegaBrute, MegaBrain, Mini-Brutes II and IV - CH II SONIC LEAD CIRCUIT is controlled by 2 potentiometers - GAIN and CONTOUR - and a 3-way switch - PROGRAM. For SONIC BASS skip to #14

11. GAIN Potentiometer with switch: Switch on activates CH II and affects volume. CH I VOLUME is deactivated.
- 12A. CONTOUR: adding CONTOUR will boost and cut various frequencies as you rotate the dial.
- 12B. PROGRAM - WARM, EDGE and DRIVE. These are specially voiced circuits to obtain various sounds. The SONIC CIRCUIT is a separate entity and has nothing to do with CH I VOLUME. (CH I tone controls are still active). Experiment for endless variety of timbres.
13. REMOTE SWITCHING JACK for CH I - CH II & Reverb: to remotely control channel switching and reverb with our optional dual footswitch. To switch from CH I to CH II, the GAIN switch/potentiometer must be clicked ON.

14. **PREAMP OUT JACK:** solely a preamp signal for use with any high quality amplifier or mixer or direct to recording console.
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 preamp and a cord from **OUTPUT (TO AMP)** of the device to **INPUT** on preamp. Plug instrument into preamp. You are now able to balance the amount of effect with the straight instrument sound.

For Model: MINI SONIC BASS



**CH II SONIC BASS CIRCUIT** - three pots control the Sonic Bass circuit and work in conjunction with each other: **GAIN - CONTOUR - BASS DRIVE**

16. **GAIN Potentiometer:** to activate this circuit, switch on GAIN pot (this automatically deactivates CH I). This control by itself only affects volume.
17. **CONTOUR:** when adding CONTOUR, you will boost different upper frequencies as you rotate the dial.
18. **BASS DRIVE:** turning up the BASS DRIVE adds low-end frequencies to the sound you will hear as you turn up this control. Remember, these three controls work as partners, not individually. Once you have the setting you like, you can turn up the GAIN to control volume. This SONIC CIRCUIT is a separate entity and has nothing to do with CH I. You will hear that this SONIC BASS CIRCUIT is even warmer than the regular CH I POLYTONE sound if that is possible!. Don't forget: the MASTER VOLUME must be turned up for the preamp to be active.
19. **ON - OFF Switch for HORN**

LOWER REAR PANEL - All Models

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. **AC CORD BRACKETS:** for wrap-around 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.**