



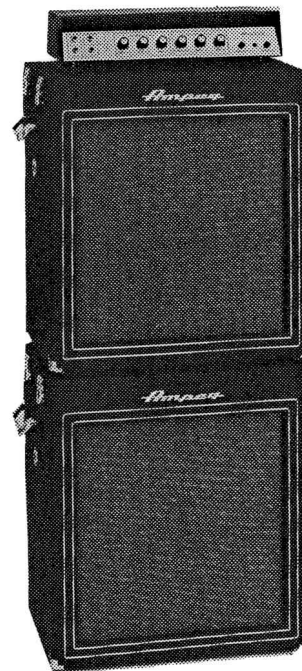
Box 515, Linden, New Jersey

BT-15D

(SOLID-STATE 100 WATTS)

(TWO 15" SPEAKERS IN TWO SEPARATE ENCLOSURES)

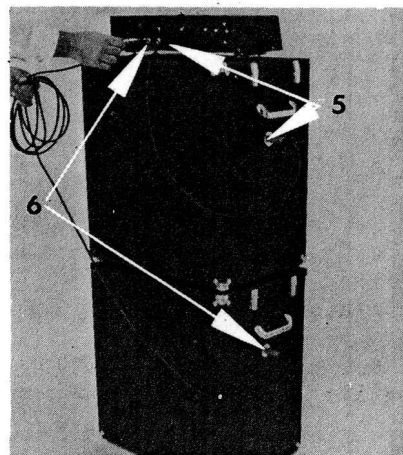
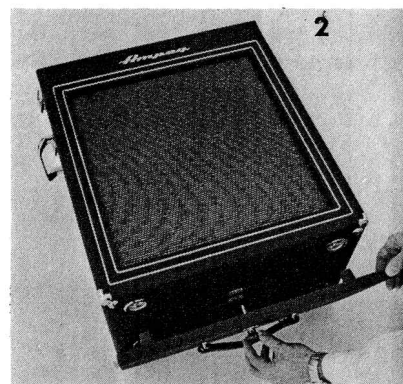
OPERATING INSTRUCTIONS FOR AMPEG PORTAFLEX BASSAMP



Take a few minutes to read the following instructions and fully acquaint yourself with our recommended procedures. You will be rewarded with many years of trouble-free performance.

You can either stack the speaker enclosures, or place them at either end of the stage. A 15' extension cable is provided for use when the cabinets are separated, and can be rolled up for use when the enclosures are in the stacked position. If you prefer to use your new BT-15D in the stacked position, please follow this procedure. The unit is packed in two boxes; 1 contains the amplifier chassis and top speaker, and the second holds the bottom speaker enclosure and dolly.

1. Remove the dolly and place the speaker enclosure in the desired location.
2. Remove the lid from the speaker enclosure. A dolly knob is installed in the lid. Attach this lid to the bottom of the top enclosure (the section with the amplifier), making sure the rubber shock mounts fit securely into the four indented cups. Tighten the knob firmly.
3. Place the top enclosure on top of the bottom section and fasten the four claw clamps.
4. Release the claw clamps from the top section, lift the amplifier up and set it aside. Remove the extension speaker cable stored in the enclosure and set it aside. Now set the amplifier chassis on top of the speaker enclosure with the control panel facing either direction.
5. Connect the speaker cable of the amplifier to the receptacle on the side of the upper cabinet, making certain the pins line up properly. Do not force this connection, let the keyway be your guide.
6. Connect the socket end of the 15' extension speaker cable (which you had previously set aside), to the lower enclosure. Plug the phone jack of the extension speaker cable into the "extension speaker" input jack on the rear of the amplifier chassis.



7. With all amplifier controls at zero, and with power switch off, plug the line cord into any 105-125 volt, 50-60 cycle AC power source. Do not use any other line voltage or severe damage will be done. (Export models for 220 volt operations are also available).
8. Plug your instrument cable into the appropriate input on the panel. All PORTAFLEX Bassamps are two-channel amplifiers, each channel having its own set of volume and tone controls. While more than one instrument can be played through an amplifier at the same time, let us consider its use with a single instrument for the present.

TREBLE INPUTS - Instruments such as guitar, or any instrument with a magnetic pickup, should be plugged into one of the jacks adjacent to the treble clef symbol. If more depth is desired, you may use on the the bass inputs next to the bass clef symbol.



BASS INPUTS - (alongside of the bass clef symbol) are recommended for bass instruments (magnetic or crystal) or instruments such as accordion. (If stereo-equipped, both the bass and the keyboard side of the accordion may use these inputs separately on Channels One and Two).

Although the BT-15D is designed primarily for electric bass, other instruments may be utilized with exceptional results. Accordionists, for example, enjoy its strong bass response, especially on the left hand, where a mellow, organ-like sound is desired. Guitarists also appreciate not only the great depth, but also the treble dimension made possible by the ultra high control.

9. Flip the toggle switch marked "Power" upward. The pilot bulb will light and the luminescent control panel will glow.
10. The polarity switch will eliminate the 60 cycle hum that is present in all AC power lines. Simply plug your instrument cable into any input on either channel (do not connect the instrument). Slowly turn up the volume for that channel. When a hum is audible, flip the polarity switch to the position of least hum.

IMPORTANT: Reduce the volume setting to zero before plugging the free end of the cable into your musical instrument.

11. Turn volume and tone controls of your musical instrument all the way up. Always keep them at or very near maximum while making preliminary adjustments.
12. Control Adjustments: Separate bass and treble controls enable you to obtain the most critical balance of tone. The treble control, when turned to the extreme right, provides full "normal" treble. The bass control, when turned to the extreme right, provides the ultimate in bass response.

ULTRA-HIGH SWITCH

A. For guitarists desiring a still stronger treble, the BT-15D is provided with an "ultra-high" switch as a built-in part of the treble control. To bring into play, simply move the control to "full on," then pull outward on the control knob. The ultra-high switch may be pulled at any degree of the treble setting.

B. For either the AMPEG Fretted Bass, or AMPEG upright bass, we recommend that you turn the bass control to near maximum; the treble control may remain at minimum.

C. Now begin raising your volume control while at the same time testing on the lowest string (the open E). Pick the open E-string, using what you believe will be your strongest plectrum attack and gradually bring the volume to its ultimate level just before distortion occurs. Always keep your controls below this overload point. If you hear a slapping sound, you are inviting a blown speaker. Cut back on the volume immediately. Once these settings have been determined, you may then feel free to back off on the controls of the instrument itself to achieve your normal working level. Should it be desirable to raise your volume for solo performance, you'll still be operating in the safe range. This procedure cannot be overemphasized. It will prevent you from inadvertently raising your instrument controls beyond the overload point of the speaker.

Bear in mind that an increase in treble or bass settings will also increase your volume. Thus, if you are operating at full output (before distortion), a higher setting of any controls (at the amplifier) may carry you beyond the overload point. If you feel you need more treble or bass, lower the volume control (at the amplifier) correspondingly, thus keeping volume and tone controls in balance.

13. Recording: Another feature of your BT-15D is the "ext. amp" jack, which has an output impedance of 500/600 ohms and is standard in most professional recording studios. The engineer can feed your pure signal directly into his console, eliminating balance problems common when a microphone is set up in front of the speaker enclosure. Just tell the engineer that the output voltage from your "ext. amp" jack is 1 volt R.M.S. at 500/600 ohms.
14. It is advisable to use your voice microphone on one channel (plug into bass input) and your instrument on the other. A little experimenting will quickly determine the adjustments necessary. If you are using only one channel, leave the controls of the unused channel on zero.

CARE AND MAINTENANCE

A dampened, soapy sponge will quickly clean the tough, durable vinyl covering of your PORTAFLEX. The grill cloth should be brushed occasionally with a soft bristle brush, especially if the unit is used in a dusty location.

TROUBLESHOOTING

The most common trouble in instrument amplification is usually caused by faulty external connections. Standard phone-jack cables receive considerable abuse during performances and loss of power (or gain) or an uneven tone quality can often be traced to a poor cable connection or broken shielding.

Inadequate shielding or a poor ground connection in the microphone, pickup or cable also causes a humming sound that may become louder when you plug your cable into the amplifier or pickup. Your pickup leads should be shielded thoroughly.

Included with your amplifier instruction literature is a complete list of Certified Ampeg Service Centers for your convenience. Should you encounter any difficulty with your equipment, please contact the Ampeg service center in your area for a complete continuity check. A complete wiring diagram (schematic) is attached to the underside of the chassis cover of your BT-15D.

A FINAL REMINDER: Do not forget to check the position of the polarity switch for minimum hum.

Feel free to contact us on any questions you may have, and include the serial number of your equipment in any correspondence.