

Guild

Operating Instructions for ThunderStar Bass Amplifier

NOTE: When connecting or disconnecting your instrument from the amplifier, make certain that the **STANDBY** switch is in the **STANDBY** position. This will prevent possible speaker damage.

SETTING UP

To set up the amplifier, place the rubber feet of the top section into the holes provided on the speaker enclosure. Note that they interlock and will not slide. Additional speaker bottoms may be stacked in this manner. (See illustration).

REAR JACKS AND CONTROLS

Connect the lead from the loudspeaker enclosure to the output jack marked **SPKR**. If an extension loudspeaker is used, connect it to the **AUX** jack. If a speaker other than one of the ThunderStar Bass extension speakers is used, its impedance should be 8 ohms for best results. A 16-ohm speaker may be used, but then it will receive less than half the power output of the amplifier.

INPUT JACKS

NO. 1 INPUT is the high gain input. Unless overloading is experienced, use this jack. **NO. 2 INPUT** is to be used with an instrument having unusually high output.

TONE SWITCH, VOLUME AND TONE CONTROLS

TONE SWITCH: The three-position tone switch has the following functions: In the **left position**, the high frequencies are boosted, producing a bright sound which will probably be most advantageous for a lead guitar. The **center position** gives a deeper sound which will be useful for rhythm guitar, organ, bass or wherever a less brilliant sound is desired. The **right hand position** produces a very deep tone and is intended for either bass or accordion. Experimentation with the various tone switch settings, in conjunction with use of the bass and treble controls, will provide the musician with a wide range of sound and tone.

When used with a typical bass or guitar, this amplifier has sufficient gain (amount of signal required at the input jack for a given power output at the loudspeaker jack) to enable it to reach its maximum output at a volume control setting well below maximum.

In particular, when the **BASS CONTROL** is fully advanced, the **VOLUME CONTROL** should be used with discretion to prevent low frequency overloading of the amplifier. Since the sound produced when an amplifier is overdriven is very close to that produced by a loudspeaker breaking up, the loudspeaker is often blamed for the distortion that results when the volume control is advanced to a point where the amplifier is attempting to produce more than its maximum clean output power.

A large amount of bass boost is available in this amplifier; if high volume levels are required, the user will find that reducing the setting of the bass control will permit the volume to be increased before the onset of overload distortion.

HUM BALANCE

To adjust this control, make sure that the **POLARITY SWITCH** is in the most favorable position (least hum). Then disconnect the instrument from the amplifier. With the **VOLUME** and **TONE** controls at normal playing level, adjust the **HUM BALANCE** control for minimum hum and buzz. After the instrument is again plugged into the amplifier, any hum that returns is the result of electric fields picked up by the instrument.

AUXILIARY AC OUTLET

This outlet may be used to provide power for another piece of electronic equipment. It is not controlled by the front panel power switch, but is always live whenever the ThunderStar Bass is connected to the power line. Please observe the current rating printed below the outlet.

FUSE

Replace fuse, when necessary, only with the type designated on the name plate or its equivalent.

Note: Always disconnect the amplifier from the power line before replacing the fuse.

DOLLY ATTACHMENT

You will note a small hole with a metal bushing located on the side of the speaker enclosure opposite the carrying handle. Guild model TDI Accessory Dolly is easily attached with the special fitting supplied. By inserting this fitting and turning it a quarter turn, the dolly can be attached or detached.



BACK PANEL

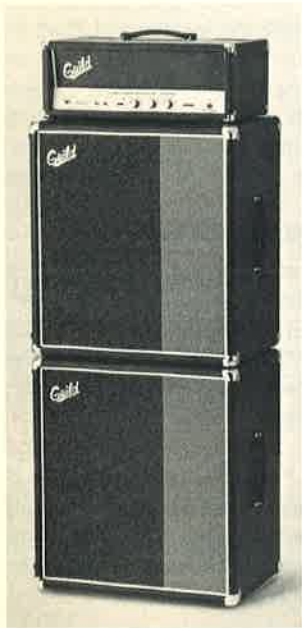
POWER AMP IN AND PRE-AMP OUT JACKS

(See back panel illustration.)

Provisions have been included for enabling the ThunderStar Bass to be used as a "powered loud-speaker" or "slave". Additionally, a jack has also been provided by which the ThunderStar Bass can feed a signal out to a slave. Plugging a lead from any signal source of approximately 2 volts maximum output into the POWER AMP IN jack automatically disconnects the entire pre-amplifier and control section of the ThunderStar Bass from its power amplifier section, enabling it to be used as a powered speaker. The output from the control section of the ThunderStar Bass appears at the PRE-AMP OUT jack, from which it may be fed to a power amplifier and loudspeaker, for the purpose of boosting the power output of the system without introducing any additional controls.

As an example, if it is desired to double the power of a ThunderStar Bass, an additional ThunderStar Bass may be purchased and interconnected in the following manner: Connect a conventional shielded guitar cable between the PRE-AMP OUT jack of one amplifier and the POWER AMP IN jack of the second amplifier. If the instrument is plugged into the first amplifier, its tone switch, tone controls, and volume control will control both amplifiers. The only controls which will function on the second amplifier will be the power-polarity switch and standby switch. This is equivalent to connecting the instrument to two amplifiers by means of a "Y" cord, but without the confusion of having to operate two sets of controls.

To prevent loss of high frequencies, keep the length of the lead connected to the PRE-AMP OUT jack as short as possible, and in any event below ten feet.



Stack additional speaker bottoms this way. Rubber feet of top section fit into holes provided in the speaker enclosure.

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