

Operating Instructions— ThunderBird and ThunderStar Amplifiers

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.

FRONT PANEL CONTROLS AND JACKS

INPUT JACKS

No. 1 inputs are the high gain inputs. Unless over-loading is experienced, use the No. 1 input. No. 2 inputs are to be used with guitars or other instruments having unusually high output. If a microphone is used, it should be connected to the No. 1 input of the left channel. The tone controls and bright switch should be centered, i.e. tone controls at 12 o'clock and bright switch to its middle position. If a stereo accordion is used, connect the bass side to the No. 1 jack on the left channel, and treble side to the No. 1 jack on the right channel.

TONE SWITCHES AND CONTROLS

The three-position tone switches have the following functions:

In the top position the high frequencies are boosted, giving a bright sound. The center position is not as bright, and will give good response when used with rhythm guitar, organ, or wherever a somewhat less brilliant sound is desired. The bottom position has been designed for use with an accordion or electric bass. 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.

REVERB

The reverb system is activated by the foot-switch. The front panel control adjusts the amount of reverb. As this control is turned clockwise, the reverb intensity is increased.

TREMOLO

The tremolo is also operated by the foot switch. The speed control varies the rate and the depth control varies the intensity.

Note: The reverb and tremolo operate only in channel one of the amplifiers.

STANDBY SWITCH

This switch must be in the ON position for the amplifier to function. In this position the white pilot light is illuminated.

POWER SWITCH

The power switch is combined with the polarity switch. The switch is off in the center position and on with opposite polarity at each end. Use whichever position minimizes hum and string noise. The red pilot light will become illuminated in the ON position.

MASTER VOLUME (THUNDERBIRD ONLY)

The ThunderBird amplifier has a Master Volume control in addition to the other front panel controls mentioned above. This control overrides the individual channel volume controls, and raises them simultaneously. The most favorable signal-to-noise ratio (least amount of hiss) is attained when the individual channel volume is set at maximum level—fully clockwise—and the Master Volume is at a minimum setting.

REAR JACKS AND CONTROLS

UPPER CHASSIS

A cluster of four phono jacks is located on the rear of the uppermost chassis. The two upper jacks are connected to the leads with the grey and white plugs from the foot switch housing (the lead with the white plug is for the Tremolo switch and the lead with the grey plug is for the Reverb switch). The lower two jacks are for connection to the reverb spring unit, the lead with the black plug being connected to the input transducer of the spring. The order of the four plugs from top to bottom is: grey, white, red, and black.

LOWER CHASSIS

The auxiliary AC outlet may be used to plug in another piece of electronic equipment—such as Guild Echorec, Copicat, P.A. amplifier, etc. Please observe the current rating printed below the outlet.

FUSE

Replace fuse when necessary only with the type designated on the name plate.

Note: Always disconnect amplifier from power line before replacing fuse, as there are lethal voltages present.

HUM BALANCE

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

AUXILIARY SPEAKER OUTPUT

Located on the rear of the speaker cabinet, for an auxiliary 8 or 16 ohm speaker system.

DOLLY ATTACHMENT

You will note a small hole with a metal bushing located on the bottom or side of your amplifier. An accessory dolly (Guild Model TD1) is easily attached with a special fitting supplied. By inserting this fitting and turning it one quarter of a turn, the dolly can be attached or detached.

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