

Operating Instructions—ThunderBass, Quantum Bass, and Quantum X Amplifiers

INTRODUCTION

The ThunderBass I, ThunderBass I-A and Quantum X are designed for bass, guitar, and organ. The Quantum Basses are for use with electric bass and organ only. The ThunderBasses have 100 watt amplifier sections and the Quantum Series all have 200 watt amplifiers. The channel functions and controls are the same for both. The only difference in the amplifier sections is the power rating.

PREVENTION OF SPEAKER DAMAGE

1. When plugging your instrument in or out of the amplifier input, always place the Standby Switch (indicated by SBY) in "SBY" position, which is the "off" position.
2. Use caution when raising the Volume Level to maximum output. When used with electric bass, the Guild ThunderBass and Quantum Bass amplifiers are capable of producing more power than the speakers can safely handle.

USE OF VOLUME CONTROLS

These amplifiers have sufficient gain to cause overloading with an average guitar when the Volume Controls are adjusted to maximum output. Once an amplifier reaches the overload point, very little additional volume is produced, but the distortion level increases exponentially.

Unless distortion is desired for some particular reason, there is no justification for turning the Volume Control beyond the setting which produces the maximum clean output that the amplifier is capable of producing. The most favorable signal-to-noise ratio (the least amount of hiss) is attained when the Volume Control of the individual channel is set at maximum level — clockwise — and the Master Volume Control is at a minimum setting.

Note: The Master Volume Control overrides the Volume Control of the individual channel. Whatever the individual Volume Control settings, the Master Volume Control raises the level of both channels simultaneously.

INPUTS: NORMAL AND HIGH GAIN

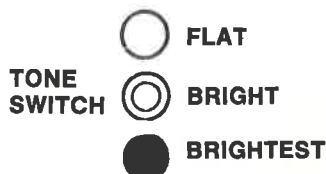
No. 1 input is the high gain input. Unless overloading is experienced, use the No. 1 input.

No. 2 input would be used with guitars having pickups of unusually high output.

PROPER USE OF TONE CONTROLS AND TONE SWITCH

NORMAL CHANNEL

1. With Tone Controls centered and the Tone Switch in top position, the frequency response is flat. This is the preferred position for microphone reproduction and accordion amplification.
2. As the Tone Switch is moved from top to bottom position, the treble gain increases significantly.
3. Experimentation with the various Tone Controls will provide the player with a wide range of sound and tone.



BASS CHANNEL

1. With Tone Controls centered and the Tone Switch in the middle position, the frequency response is flat.
2. With the Tone Switch in upper position, the sound is "harder" or "brighter." With the Tone Switch in lower position, it is a "deep" or "rhythm" sound. Maximum bass response is achieved with the switch in the lower position.



USE OF STANDBY (SBY) SWITCH

The Standby Switch activates an indicator light which gives you a visual as well as audible indication of the Switch position. When the indicator light is on, the amplifier is ready for use.

POLARITY SWITCH

Use of the Polarity Switch helps to eliminate excessive hum, string noise, and the effect of minor shocks. It is located on the front panel.

REAR PANEL FEATURES

You will find an auxiliary AC outlet on the rear panel. This is convenient for the addition of such accessories as the Guild P.A. System, Copicat or Echorec. The current rating is printed below the outlet.

HUM BALANCE CONTROL

Each amplifier has a Hum Balance Control on the rear panel to minimize amplifier hum and buzz.

Correct hum-balancing procedure: Make sure that the Polarity Switch (front panel) is in the most favorable position (least hum). Then disconnect the instruments from the amplifier. With Volume controls at normal playing level, adjust the Hum Balance Control for lowest 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.

DOLLY ATTACHMENT

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

Guild

GUILD MUSICAL INSTRUMENTS, HOBOKEN, NEW JERSEY 07030

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