



# AG-30



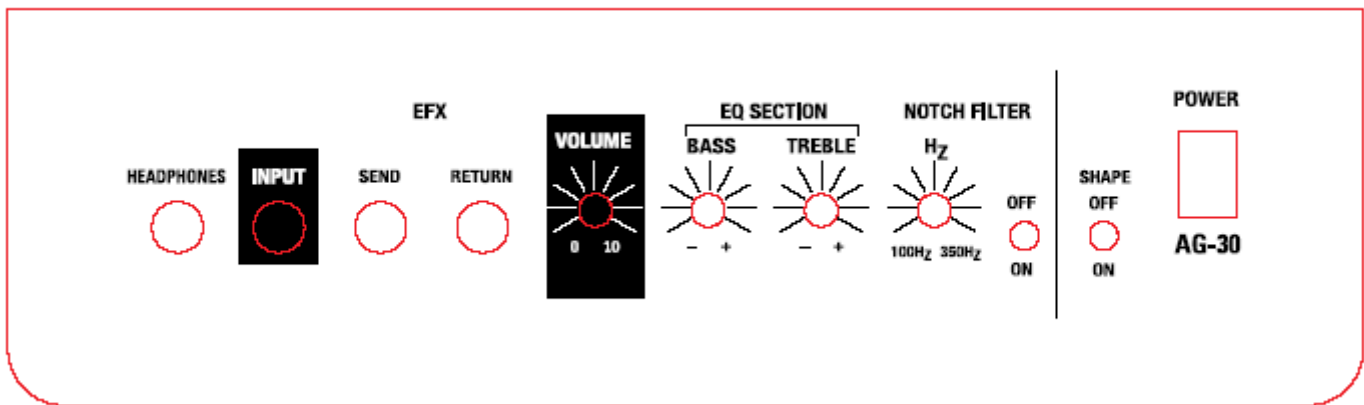
## OPERATING GUIDE

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## AG-30 Front Panel



**HEADPHONES:** This jack provides a stereo signal to drive headphones. The use of this jack will disengage the amplifiers internal speaker.

**INPUT:** Instrument input. Designed for both active and passive pickups.

**EFX SEND:** This jack provides an unbalanced output signal from the preamp for supplying signals to external low-level effects or signal processing equipment. This signal is “pre” tone controls. (The tone controls will not affect the EFX SEND signal)

**EFX RETURN:** Input for returning signals from external low-level effects or signal processing equipment.

**VOLUME:** Adjusts the overall loudness of the amplifier.

**BASS:** Adjusts the amount of cut or boost in the low frequency range.

**TREBLE:** Adjusts the amount of cut or boost in the high frequency range.

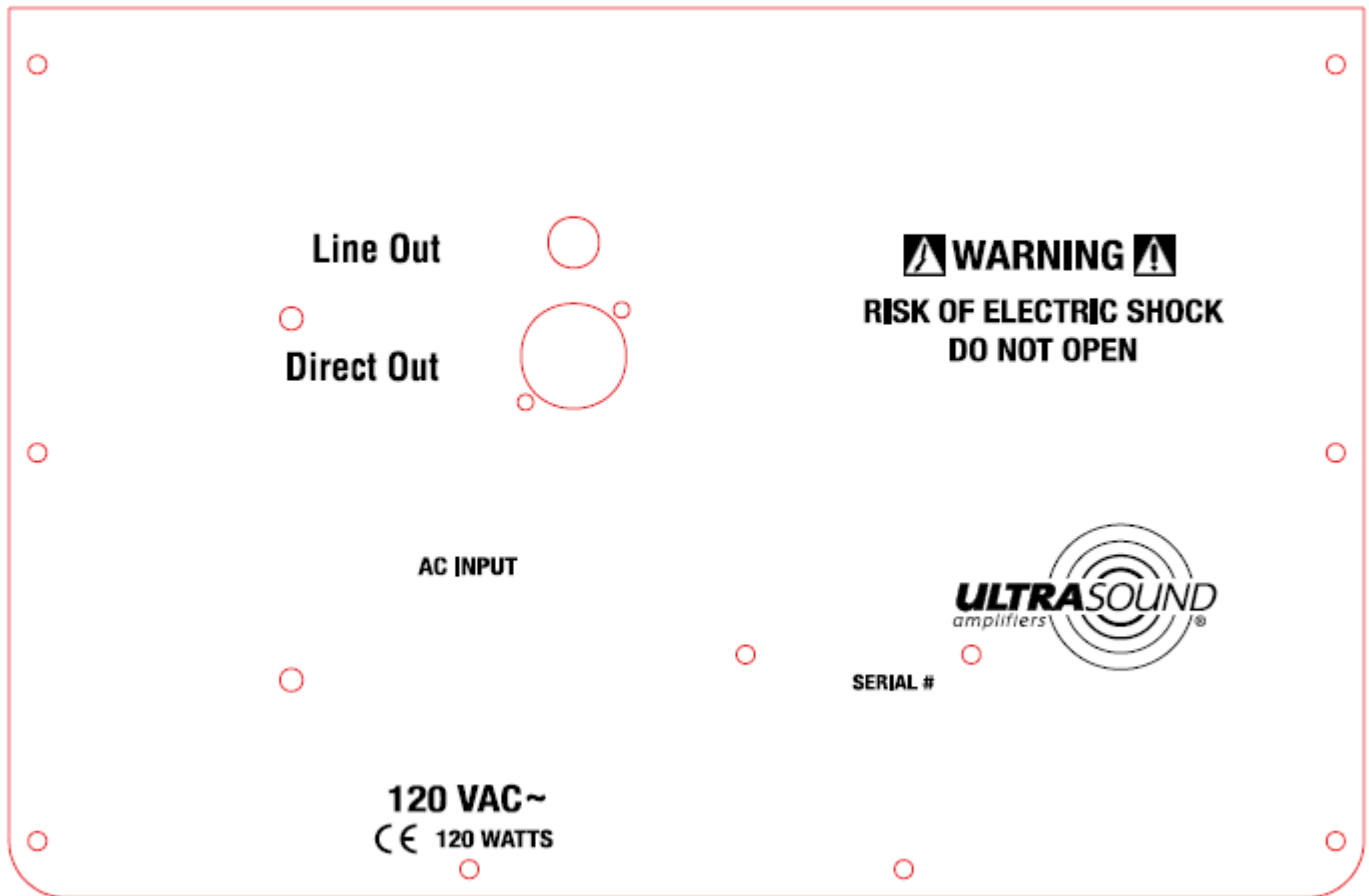
**HZ – (NOTCH FILTER):** Provides selectable frequency shift of the 18db cut NOTCH FILTER from 100Hz - 350Hz to eliminate resonant feedback.

**ON/OFF – (NOTCH FILTER):** This toggle switch enables or disables the notch filter control.

**SHAPE:** ON/OFF This toggle switch enables or disables the SHAPE control. The shape control is a mid dip control. In the on position the mid frequencies will be cut and the high and low frequencies will be boosted.

**POWER:** This rocker switch turns the AC power ON and Off. When ON the switch will illuminate and the unit is ready for play.

## AG-30 Back Panel



**AC INPUT:** Connect the female end of the AC line cord here. Connect the male plug to a suitable source of line voltage. Refer to the voltage information on the back of the amplifier for its voltage and current requirements. This connector also acts as the main fuse holder and includes a compartment for a spare fuse.

**LINE OUT:** This jack provides an unbalanced output from the preamp that is post EQ and post EFX. This send can be used to feed a signal to recording or sound reinforcement mixer. Additionally this output can be used to drive a slave amp such as the ULTRASOUND AG-50E.

**DIRECT OUT:** This XLR jack provides a balanced output signal used to feed recording or sound reinforcement equipment. This signal is post EQ and post EFX.

## **AG-30 SPECIFICATIONS**

### ➤ **Input**

Impedance: 1 Meg

Sensitivity: 150MV to 6V

### ➤ **EQ: (Active)**

Bass: +/- 12db @ 150HZ

Treble: +/- 12db @ 5kHz

### ➤ **Shape**

+5db @ 3kHz

-5db @ 1500HZ

+5db @ 100HZ

### ➤ **Notch (Feedback Elimination)**

Range: 100 to 350HZ

Attenuation: -18db

### ➤ **Output**

Power: 30W RMS

Total Harmonic Distortion: .1%

Signal to Noise Ratio: 98db

## **AG-30 DIMENSIONS:**

**Weight:** 20 pounds

**Height:** 11"

**Length:** 16"

**Depth:** 10 ½"

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** When using electric products, basic cautions should always be followed, including the following:

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord.
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammoniabased household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
  - a. The power supply cord or plug has been damaged.
  - b. Anything has fallen or been spilled into the unit.
  - c. The unit does not operate correctly.
  - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

**SAVE THESE INSTRUCTIONS!**