

Laney

BC SERIES
BASS
AMPLIFICATION

USER MANUAL

MARCH 1994

MODELS

BC30
BC50
BC5015
BC75
BC120

Laney

INTRODUCTION

Congratulations on your decision to purchase a Laney amplifier.

Laney products are designed with ease of operation as a primary objective, however to ensure you derive the best from your new amplifier, it is important you take some time to read this user manual and to firstly familiarise yourself with the control functions and facilities available.

BEFORE SWITCHING ON

After unpacking your amplifier check that it is factory fitted with a three pin 'grounded' (or earthed) plug. Before plugging into the power supply ensure you are connecting to a grounded (earthed) outlet.

If you should wish to change the factory fitted plug yourself, ensure that the wiring convention applicable to the country where the amplifier is to be used is strictly conformed to. As an example in the United Kingdom the cable colour code for connections are as follows.

EARTH OR GROUND - GREEN/YELLOW

NEUTRAL - BLUE

LIVE - BROWN

GENERAL INFORMATION

Amplifiers should never be exposed to moisture or wetness under any circumstances since this would present a possible shock or fire hazard, and may cause possible damage to your new and valuable acquisition.

In the unlikely event that a fuse should blow it is imperative that you or your engineer, use a correctly rated replacement.

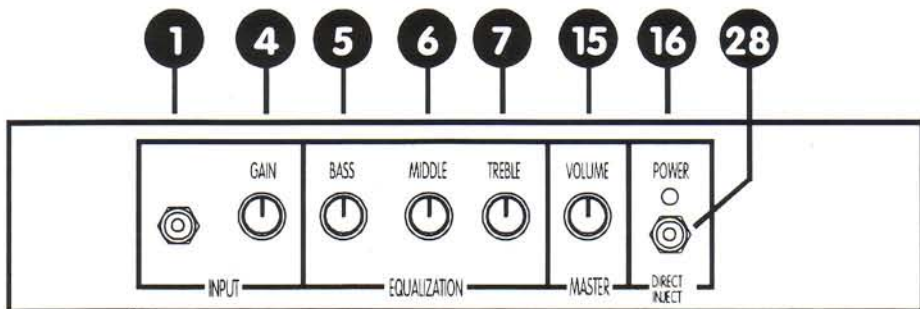
Details of the fuse required is printed on the rear panel of your amplifier or on the chassis adjacent to the failed fuse.

USING THIS MANUAL

This manual has been written for easy access of information. The front and rear panels of each unit are graphically illustrated, with each control or facility numbered. For a description of the function of each control or facility simple check each number with the glossary of terms given later in the manual.

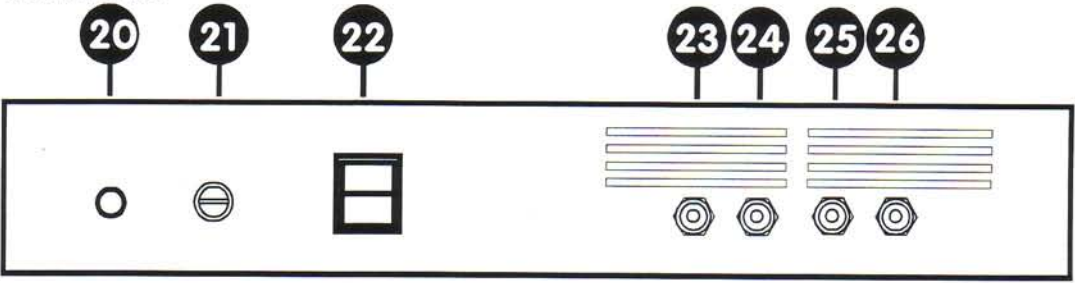
MODEL: BC30

PREAMPLIFIER



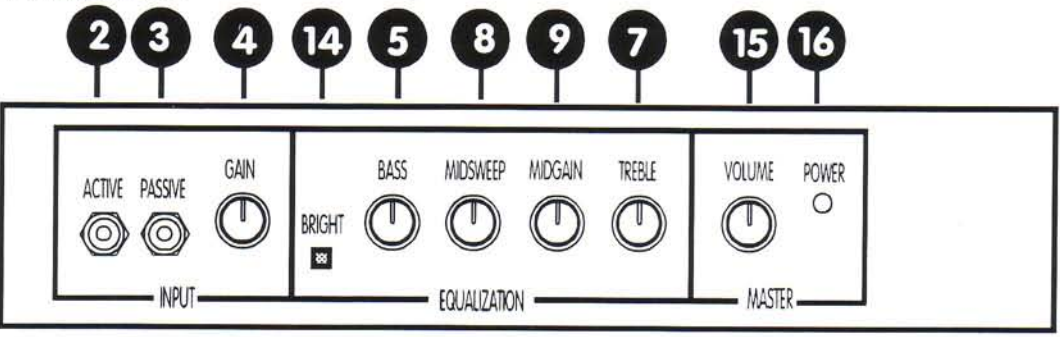
MODEL: BC30 (Cont'd)

REAR PANEL

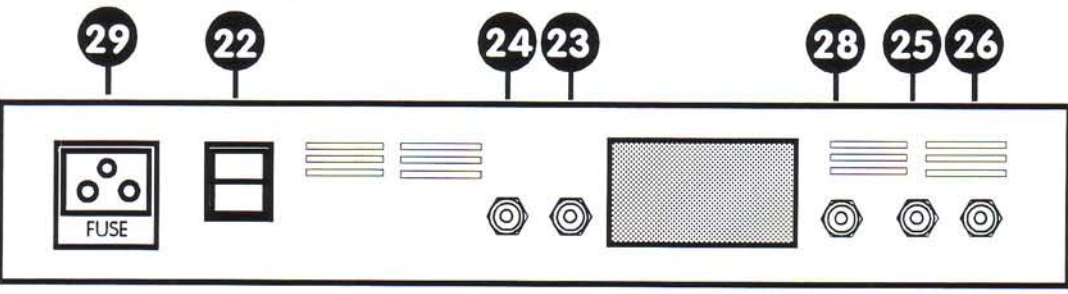


MODEL: BC50

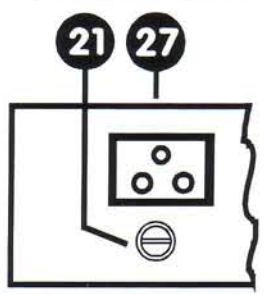
PREAMPLIFIER



REAR PANEL (NOT USA)

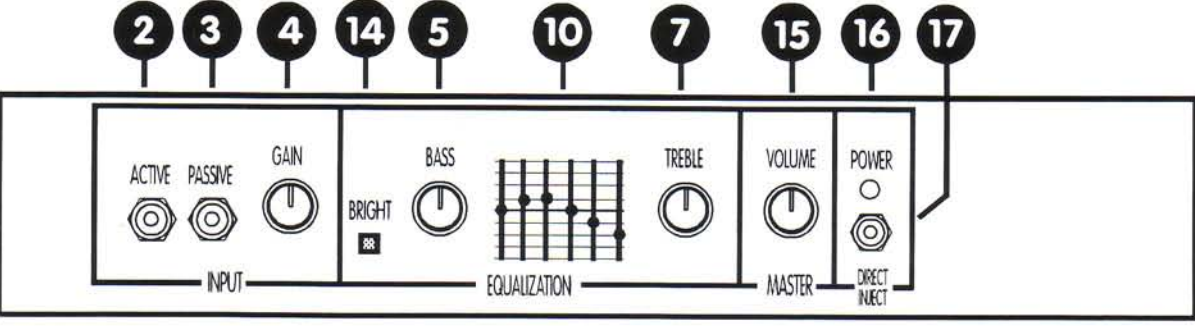


REAR PANEL (USA ONLY)

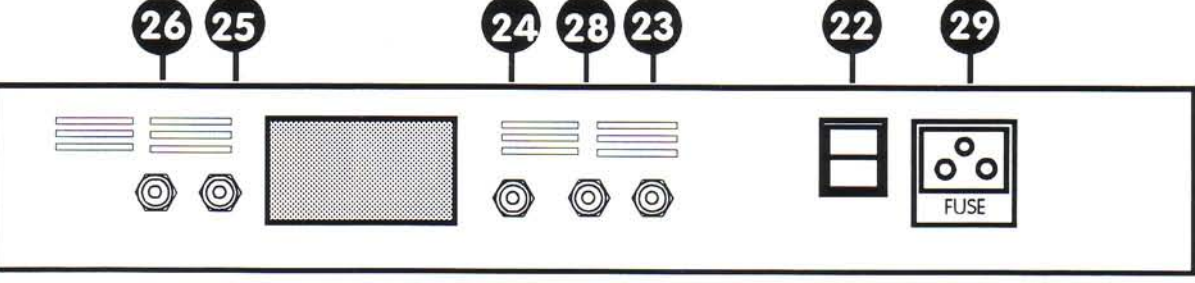


MODEL: BC75

PREAMPLIFIER

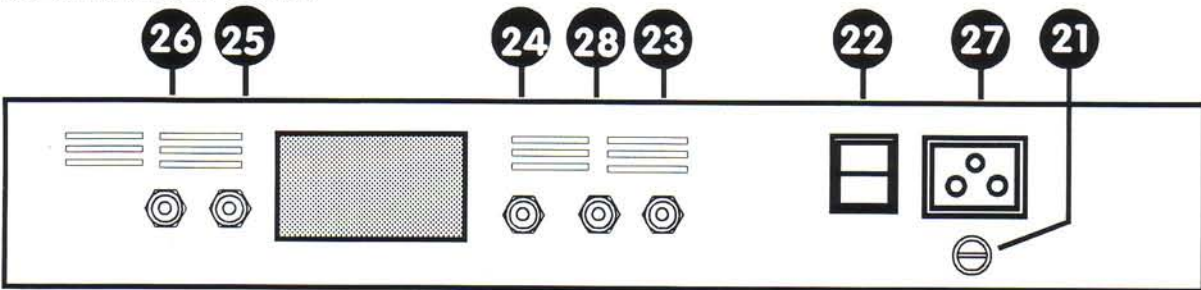


REAR PANEL (NOT USA)



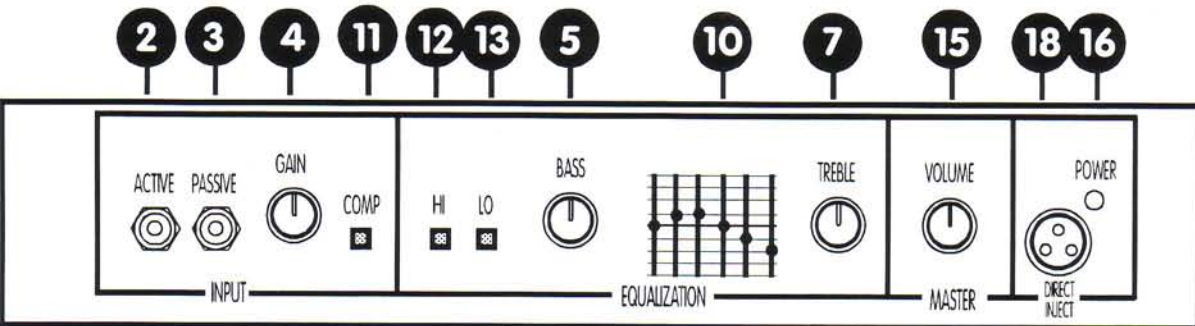
MODEL: BC75 (Con'd)

REAR PANEL (USA ONLY)

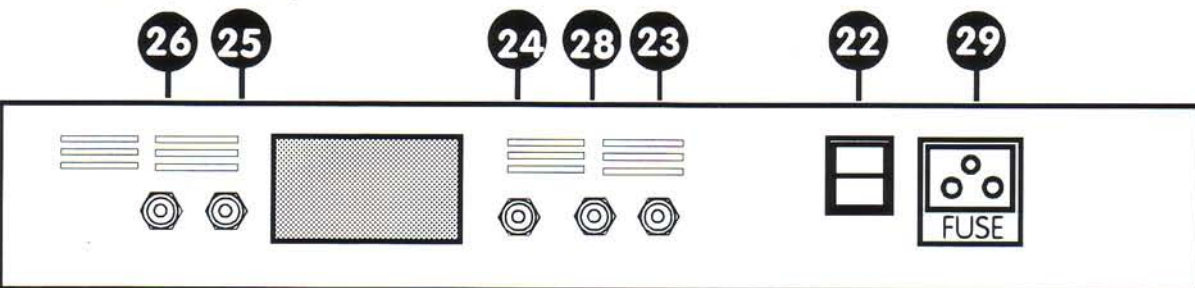


MODEL: BC120

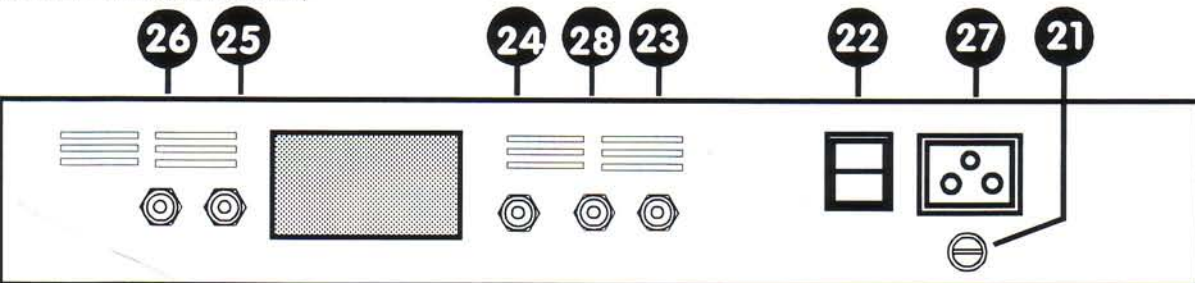
PREAMPLIFIER



REAR PANEL (NOT USA)



REAR PANEL (USA ONLY)



Explanation of Terms

BC Series Amplifiers

PREAMPLIFIER CONTROLS

- 1 INPUT** Input jack for instrument.
- 2 ACTIVE** Input jack for active or high output instruments such as those with built in preamplifiers..
- 3 PASSIVE** Input jack for most passive instruments, (ie those without built in preamplifier)
- 4 GAIN** Sets the overall gain of the amplifier to suit the instrument being used. set as high as possible without distortion, then adjust the volume to suit. May need resetting after EQ changes.
- 5 BASS** Sets the bass frequency response.
- 6 MIDDLE** Sets the middle frequency response.
- 7 TREBLE** Sets the high frequency response.
- 8 MIDSWEEP** Sweeps the middle frequencies, for LO mid move anticlockwise and for HI mid clockwise. (use with 9)
- 9 MIDGAIN** Sets the gain of the middle frequencies, for mid cut move anticlockwise and for mid boost clockwise.
- 10 GRAPHIC EQ** Six band graphic equaliser, use to set the middle frequencies. For best sounds set sliders to gradual curves and avoid extremes.
- 11 COMPRESSOR** Compresses the input signal, giving a punchier sound. Use in conjunction with gain control 4.
- 12 HI** Boosts the high frequencies.
- 13 LO** Boosts the extreme low frequencies, especially useful on 5 string bass guitars.
- 14 BRIGHT** Adds brightness to the EQ.
- 15 VOLUME** Sets the overall listening level of the amplifier.
- 16 LED** Indicates power on.
- 17 DIRECT INJECT** Stereo 1/4" Jack socket for direct injection of the amplifier signal to a mixing desk or power amplifier. This provides a low impedance output signal. (Balanced output, sleeve: ground, tip: hot, ring: cold.
- 18 DIRECT INJECT** XLR socket for direct injection of the amplifier signal to a mixing desk or power amplifier. This provides a low impedance output signal. (balanced output, pin 1: ground, pin 2: hot, pin 3: cold).

REAR PANEL

- 20 SUPPLY** Mains/power lead with factory fitted plug.
- 21 FUSE** Mains/power fuse. Replace only with correct type and rating.
- 22 POWER** Mains/power on/off switch.

Explanation of Terms

BC Series Amplifiers

REAR PANEL (Cont'd)

- 23 HEADPHONES** Headphone output for silent listening, ie practice or tuning up. For models: **BC30** and **BC50** simply plug in the headphones and the on board speakers will be automatically disconnected. For **all other models** you must physically unplug the speaker jack. NB: remember to reconnect the speaker after headphone use.
- 24 SPEAKER** Speaker output, This May be disconnected if it is required to connect a larger enclosure. NB: Minimum load impedance 4 ohm.
- 25 RETURN** Effects return, accepts the output of an external effects processor. (signal level nominal -6dB)
- 26 SEND** Effects send, sends the preamplifier signal to an external effects processor if required. (signal level nominal -6dB)
- 27 MAINS** Mains/power input socket.
- 28 DI/LINE** Direct injection or line level 1/4" mono jack socket. This provides a low impedance output signal for connecting to a mixing desk or power amplifier for further sound reinforcement.
- 29 MAINS** Mains/power input socket with combination fuse carrier. When replacing the fuse, ensure that the replacement is of a similar value. The correct fuse value is marked adjacent to the carrier.