Laney

EA65 & EA120
User Manual

INTRODUCTION

Congratulations on your decision to purchase a **Laney** amplifier; you have bought yourself something truly unique. Typically amps that are developed with the 'acoustic' player in mind tend to sound sterile when used with an electric guitar; they do not perform well when smooth, solid distortion is desired. Conversely, amps that are developed with the 'electric' guitarist in mind tend not to perform well when used with electrified acoustic guitars. Consequently, where it is desirable to play both amplified-acoustic and electric guitars during a performance, two separate amplifiers were required to satisfactorily play the gig...until now.

The **EA** series start out their life as electric combo amps and are then fitted with a clean acoustic channel complete with specially tuned acoustic EQ's and dual inputs. Each pre-amp has a LO input for acoustic guitars with active electronics or EQ's and a HI input for acoustic electric guitars with passive high-impedance pickups with no electronics. Amongst the amp's other features are a switchable High-Frequency Driver and a switch that allows the electric channel to be permanently engaged, allowing both channels to be used simultaneously. This feature is extremely useful to the acoustic-only player who is using the amp as a stand-alone for both guitar and microphone, desiring independent control of each. To fully realise the potential of this remarkable amplifier, we recommend you purchase the dedicated **Laney** footswitch.

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 time to read this user manual and to familiarise yourself with the

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 earth 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

This manual has been written for easy access of information. The front and rear panels of each unit are graphically illustrated, with each control and feature numbered. For a description of the function of each control feature, simply check the number with the explanations adjacent to each panel.

When you first receive your **Laney** amplifier, follow these simple procedures:

(I) Ensure that the amplifier is set at the correct voltage for the country it is to be used in.

(ii) Ensure that the speaker is connected to the appropriate socket.

(iii) Connect your instrument with a high quality shielded instrument cable. Use of cheap cables will compromise the sound of your instrument and your amplifier.

If there is a problem with your **Laney** amplifier

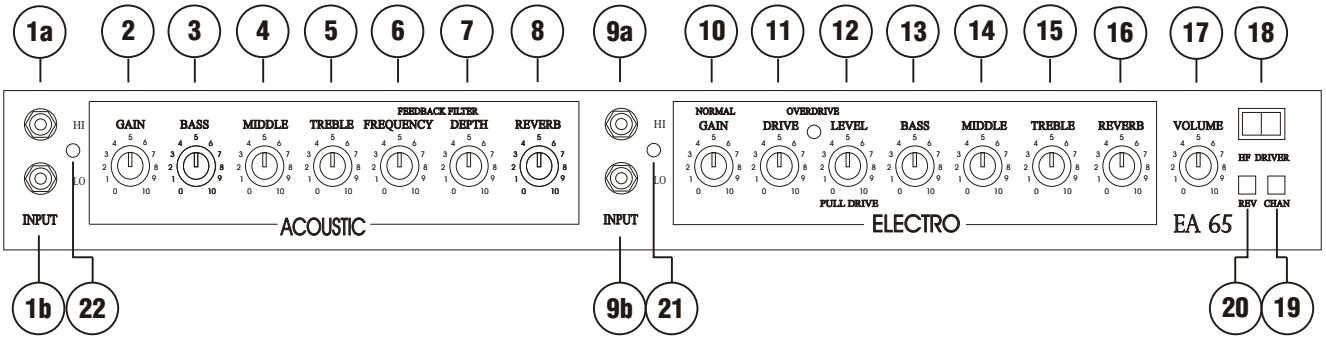
DON'T

DO

PHONE YOUR DEALER!

Care of your **Laney** amplifier will prolong it's life...and yours! If you follow these guidelines your equipment will give you years of playing pleasure.

Model: EA65



Explanation of terms

1a **HI INPUT:** This high-gain, high-impedance input should be used with guitars that have a passive pickup only and have no 'on-board' active electronics; this includes pre-amps and or active EQ's.

1b **LO INPUT:** This low-gain, low-impedance input should be used with guitars with active pickups and/or active electronics.

2 **GAIN:** Controls the input-level of the pre-amplifier.

3 **BASS:** Controls the low-frequency response of the pre-amplifier.

4 **MIDDLE:** Controls the mid-frequency EQ in the pre-amplifier.

5 **TREBLE:** Controls the high-frequency EQ in the pre-amplifier.

6 **FREQUENCY:** This control is a notch filter that sweeps between 200hZ and 1.5K. Most feedback from an acoustic guitar occurs in the mid-frequency. This control allows the user to choose the frequency that is causing your guitar to feedback, and in association with the adjacent depth control, filter it out.

7 **DEPTH:** This control sweeps between 12dB cut and 0dB. When used in association with the FREQUENCY control, the DEPTH control allows the frequency chosen to be cut and the problem frequency to be removed.

8 **REVERB:** Controls the level of reverb applied to the channel.

9a **HI INPUT:** This high-gain, high-impedance input should be used with guitars that have a passive pickup only and have no 'on-board' active electronics; this includes pre-amps and or active EQ's.

9b **LO INPUT:** This low-gain, low-impedance input should be used with guitars with active pickups and/or active electronics.

10 **GAIN:** Controls the input-level of the pre-amplifier.

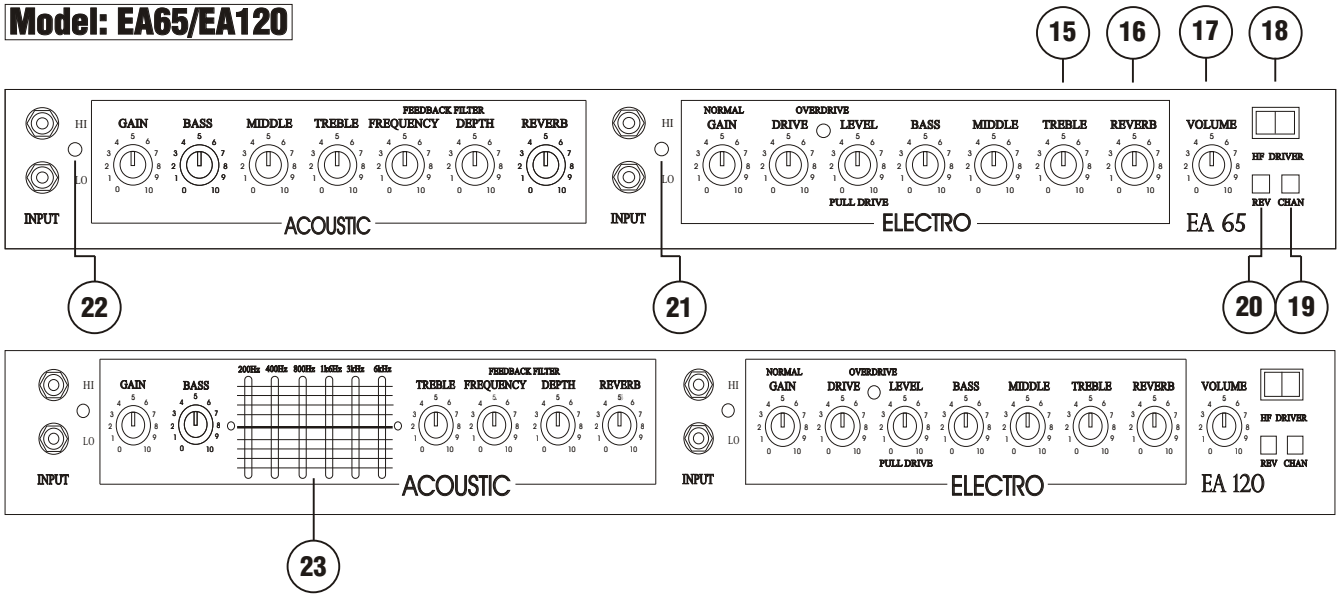
11 **DRIVE:** Allows the input-level of the pre-amplifier to be increased. When used in association with the LEVEL control it causes pre-amplifier saturation and smooth, controlled distortion.

12 **LEVEL:** The DRIVE indicator illuminates when the overdrive is engaged. The LEVEL control, when pulled-on, is then used to set the output-level of the pre-amplifier. When used with the DRIVE control, the overall volume of the overdrive channel may be adjusted.

13 **BASS:** Controls the low-frequency response of the pre-amplifier.

14 **MIDDLE:** Controls the mid-frequency EQ in the pre-amplifier.

Model: EA65/EA120



Explanation of terms

15 **TREBLE:** Controls the high-frequency EQ in the pre-amplifier.

16 **REVERB:** Controls the level of reverb applied to the channel.

17 **VOLUME:** Controls the overall output-level of the amplifier.

18 **HF DRIVER:** On/off switch for on-board HF driver.

19 **CHANNEL:** On-board switch for channel-changes.

20 **REVERB:** On-board switch for reverb on/off.

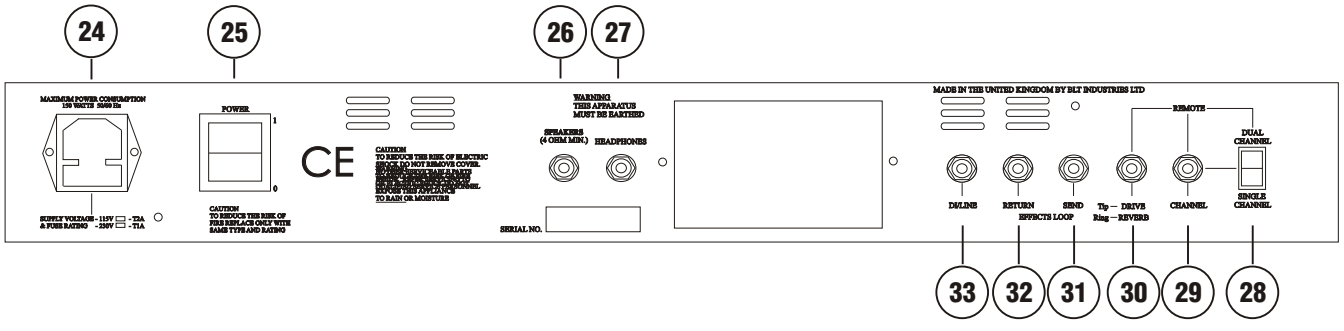
21 **CHANNEL INDICATOR:** Illuminates when the ELECTRO channel is in use.

22 **CHANNEL INDICATOR:** Illuminates when the ACOUSTIC channel is in use.

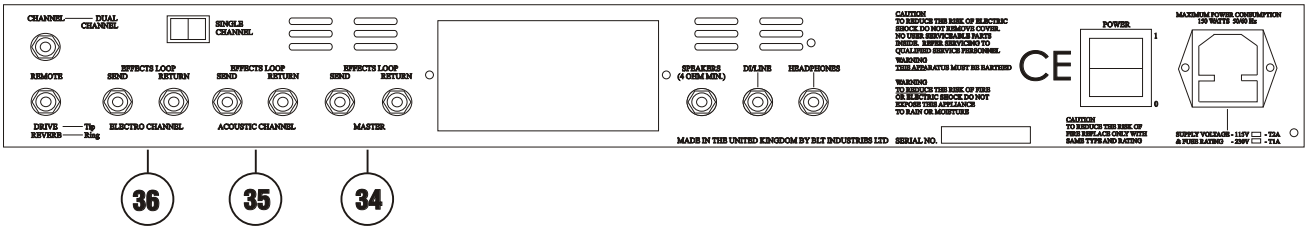
23 **GRAPHIC:** This 6-band slider EQ-circuit allows frequencies between 200Hz and 3.5kHz to be independently cut or boosted.

Rear Panel Features

Model: EA65



Model: EA120



Explanation of terms

24 **MAINS:** Mains-power input socket.

25 **POWER SWITCH:** Used for engaging or disengaging mains power.

26 **SPEAKER SOCKET:** Speaker output; this may be disconnected if it is required to connect a larger enclosure.

27 **HEADPHONES SOCKET:** Headphone output for silent practicing or tuning-up.

28 **DUAL/SINGLE CHANNEL SWITCH:** Used to select either dual or single channel operation. Dual channel mode might be used if a second guitarist were to be added to your set-up. In this mode one player could play with an acoustic guitar, whilst the other could simultaneously play an electric.

29 **CHANNEL REMOTE SOCKET:** When used with the dedicated LANEY footswitch, this sockets facilitates remote channel-changing.

30 **DRIVE/REVERB SOCKET:** When used with the dedicated LANEY footswitch, this socket facilitates remote-switching of both the REVERB and the DRIVE settings.

31 **EFFECTS SEND SOCKET:** Sends the pre-amplifier signal to an external effects-processor (signal-level nominal -6dB).

32 **EFFECTS RETURN SOCKET:** Accepts the output from an external effects-processor (signal-level nominal -6dB).

33 **DI/LINE SOCKET:** 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.

34 **EFFECTS LOOP (MASTER):** This is a global effects-loop that affects the whole amplifier. For a description of how the SEND and RETURN sockets operate refer to (31) and (32).

35 **EFFECTS LOOP (ACOUSTIC CHANNEL):** This is a channel-specific effects-loop that affects only the ACOUSTIC channel. For a description of how the SEND and RETURN sockets operate refer to (31) and (32).

36 **EFFECTS LOOP (ELECTRO CHANNEL):** This is a channel-specific effects-loop that affects only the ELECTRO channel. For a description of how the SEND and RETURN sockets operate refer to (31) and (32).

BLT Industries LTD.,
Newlyn Road
Cradley Heath
West Midlands
B64 6BE

Tel: (00 44) (0)1384 633821
Fax: (00 44) (0)1384 639186
Web Site http:/www.laney.co.uk