

Laney

RIGHTIFIER

RBW100

RBW200

RBW300

RBH700

RBH800

RBG400

RBG500

USER MANUAL

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 time to read this user manual and to 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 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.

Your **Laney RICHTER** bass amplifier has undergone a thorough two stage, pre-delivery inspection, involving actual play testing, as well as burn in.

When you first receive your **Laney RICHTER** bass amp, 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) 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 RICHTER** bass amplifier

DON'T



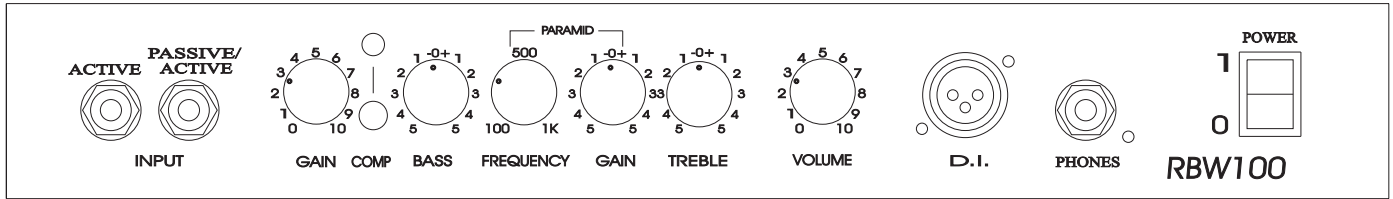
DO



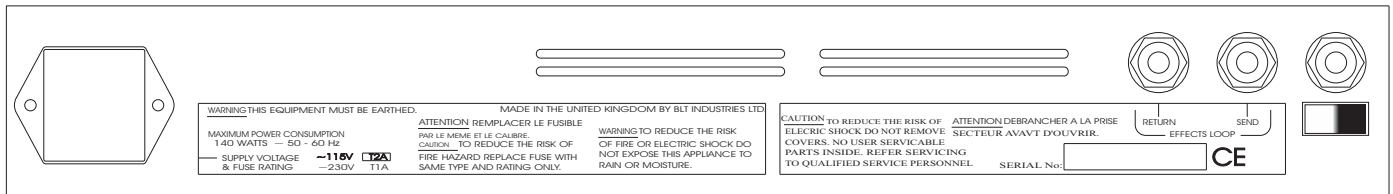
PHONE YOUR DEALER!

Care of your **Laney** amplifier will prolong it's life.....and

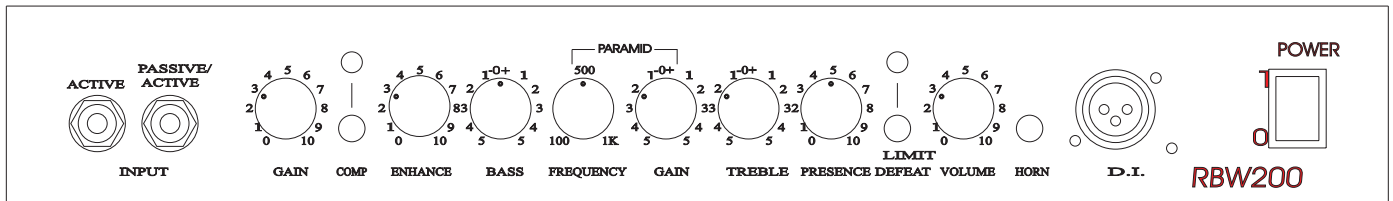
RBW100 front



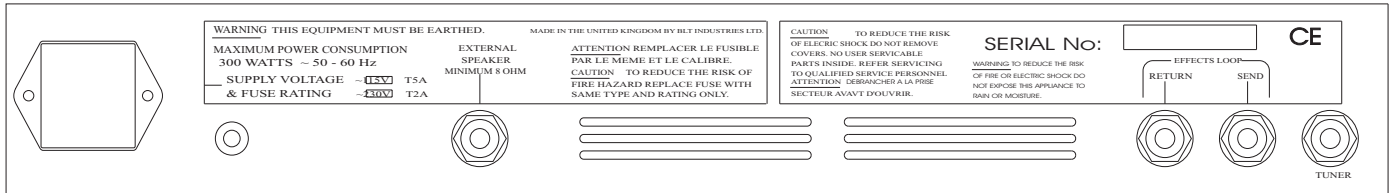
RBW100 rear



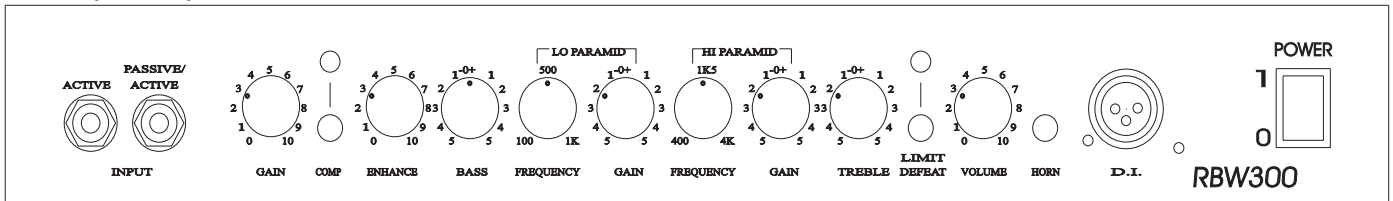
RBW200 front



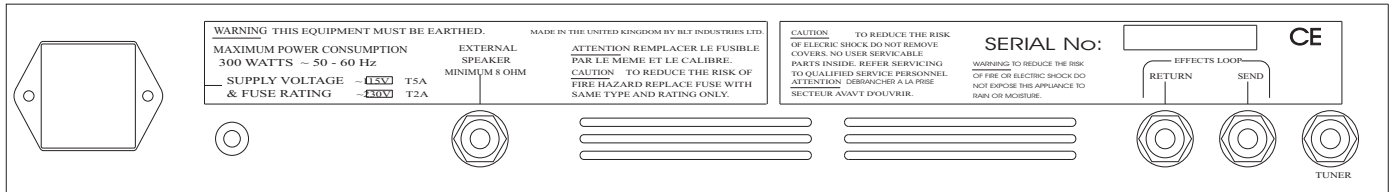
RBW200 rear



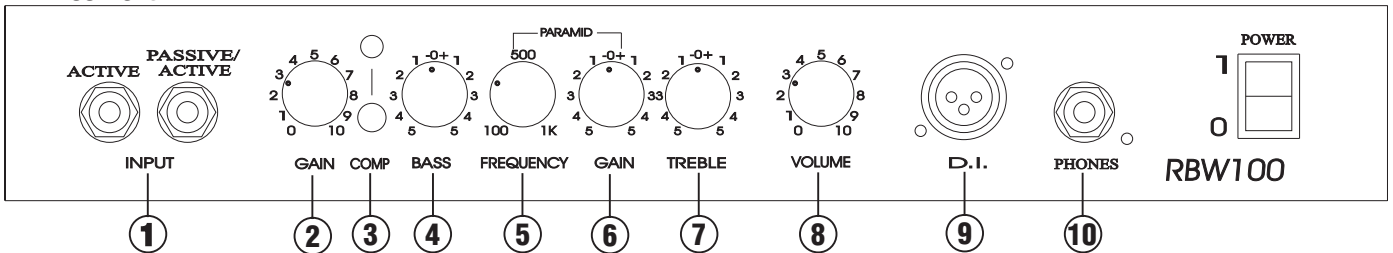
RBW300/RBH700/RBH800 front



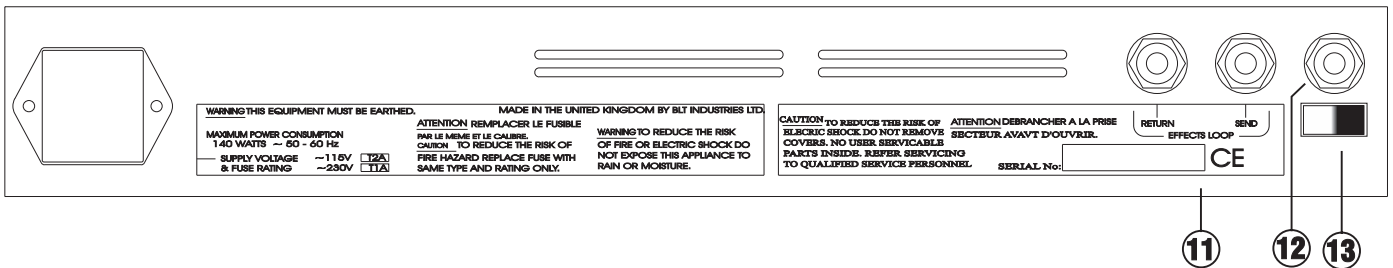
RBW300 rear



RBW100 front

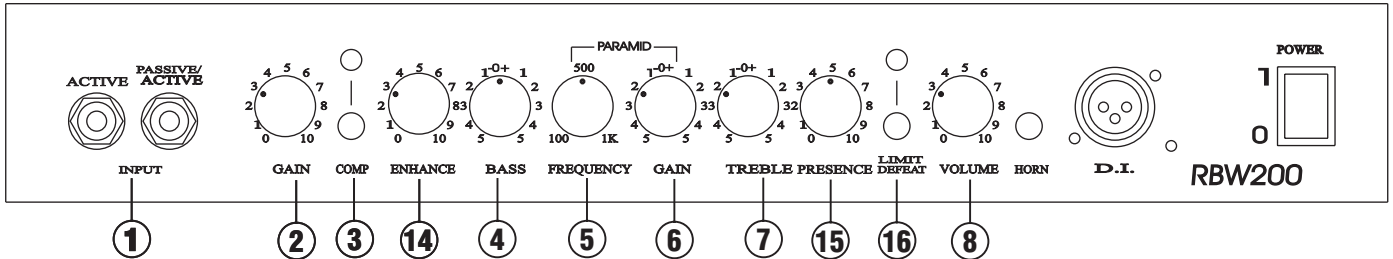


RBW100 rear

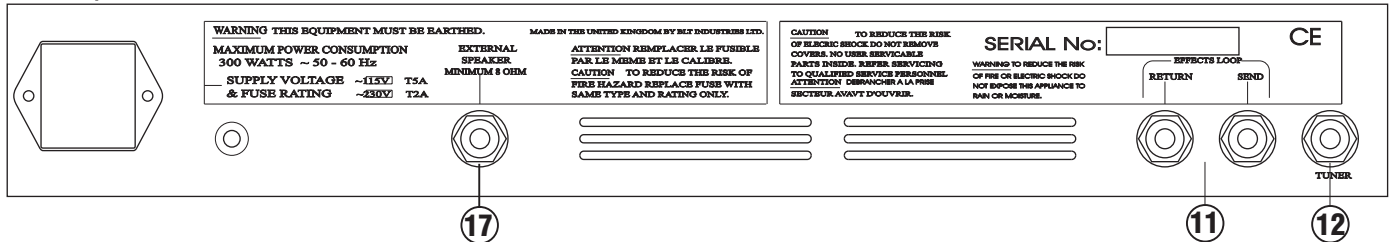


- 1.Inputs:** **Active and Passive/Active Inputs:** ACTIVE and PASSIVE/ACTIVE inputs are provided for connection of bass guitars. Active basses should be connected via the ACTIVE socket. Non active basses should be connected using the passive input. Active basses may also be placed in the PASSIVE input if pre-amp overloading is desired.
- 2.Gain:** **Gain:** This control is used to set the level of gain present in the pre-amp. The higher the level of gain, the more the signal will clip producing distortion. The GAIN control should be used in conjunction with the VOLUME control (8) to produce the desired signal characteristics.
- 3.Compressor:** **Compressor:** Engages and disengages the on-board COMPRESSOR. This compresses the input-signal giving a punchier sound.
- 4.Bass:** **Bass:** Controls the low-frequency response of the pre-amplifier.
- 5.Paramid frq:** **Paramid-Frequency:** Selects the MID-frequencies to be cut or boosted in conjunction with the PARAMID GAIN control (6). To access LO mid-frequencies turn the FREQUENCY control anticlockwise, to access HI mid frequencies turn the FREQUENCY control clockwise.
- 6.Paramid Gain:** **Paramid-Gain:** Sets the level of boost or cut applied to the frequency set by control 5. For frequency-boost turn the control clockwise. For frequency-cut, turn the control anti-clockwise.
- 7.Treble:** **Treble:** Controls the high-frequency response of the pre-amplifier.
- 8.Volume:** **Volume:** Sets the overall listening level of the amplifier.
- 9.D.I.:** **Direct Inject:** XLR socket for direct-injection of the amplifier signal to a mixing-desk or additional power-amplifier. The XLR socket provides a low-impedance output-signal.
- 10.Phones:** **Phones:** Headphone output for silent practicing.
- 11.FX loop:** **FX Loop:** Send and return sockets are provided for connecting external effects-units.
- 12.Tuner out:** **Tuner out:** Socket for connecting external tuner.
- 13.Horn switch:** **Horn switch:** Switches the on-board horn either on or off.

RBW200 front



RBW200/RBW300 rear



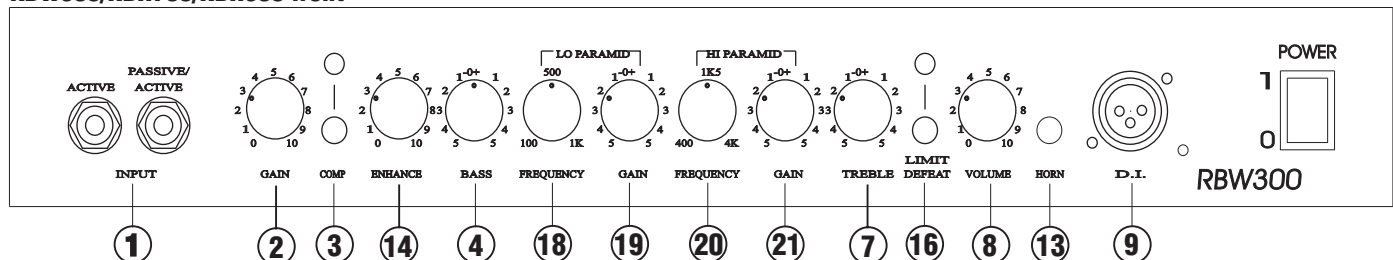
14.Enhance: **Enhance:** The ENHANCE control provides an increased definition at the low-end of the frequency spectrum giving you a tighter, punchier sound. The ENHANCE control does this by providing a dip in the frequency-response of the amplifier at approximately 200hz. This dip eliminates some of the secondary-harmonics of the important low-frequencies around 40-80 Hz producing a thicker sound. Turning the control through to its maximum has the effect of boosting both the low and high-frequency content of the signal whilst not effecting the mids.

15.Presence: **Presence:** Controls the high-frequency signal-content of the pre-amplifier. The PRESENCE control is set at 3K.

16.Limiter: **Limiter Defeat:** Allows the on-board LIMITER to be defeated if desired. With the switch in the out position the LIMITER is engaged. The LIMITER is automatically triggered at high-output levels and is designed to prevent power-amp distortion at high-output levels. The LIMITER monitors both power-amp clipping and load so it automatically registers the cabinet-impedance and sets itself accordingly.

17.Spkr. socket: **External speaker socket:** This socket should be used to connect an extension-cabinet. The impedance of the extension-cabinet must not be less the 8 Ohms. Connecting cabinets that have a lower impedance than 8 Ohms will result in the amplifier overheating; continual use in this manner may cause permanent damage. Connecting a cabinet with an impedance of greater than 8 Ohms will cause no damage to the amplifier but will result in a reduced output.

RBW300/RBH700/RBH800 front



23. Line out: **Line Out:** Socket for providing a line-level-signal-source for connecting to an additional external power-amplifier.

24. Pre shapes: **Hi and Lo Preshapes:** There are two factory-determined EQ settings which can be used as building-blocks in conjunction with the onboard graphic-EQ (25) to achieve individual tone. The HI button adds boost to the high-end of the frequency spectrum whilst the LO button adds additional low-end boost to the signal.

25. Graphic EQ: **Graphic EQ:** The 6-band onboard GRAPHIC-EQ allows extensive tonal-shaping to be achieved. With the sliders along the centre-line the GRAPHIC-EQ will exert a flat signal-response; it is at this point that individual frequency-bands can be cut or boosted. Moving the slider beneath the centre-line will incur a frequency-cut; conversely, pushing the slider above the centre-line facilitates frequency-boost. As a general rule, avoid extreme settings of the sliders: try to set the GRAPHIC with as little cut or boost as possible.

26. Full, Bright & Horns EQ: **Full, Bright & Horns:** The FULL button engages a speaker-control function that produces a pronounced, tighter bottom-end. The BRIGHT button adds an increased attack and sparkle to the upper frequencies present in the amplifier. The HORNS switch engages or disengages the onboard horns.



Intended to alert the user to the presence of uninstalled "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Caution: Risk of electrical shock - DO NOT OPEN!

Caution: To reduce the risk of electrical shock, do not remove cover. No user servicable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

This apparatus must be earthed. The wires in these mains are coloured in accordance with the following code.

Green & Yellow Earth

Blue Neutral

Brown Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: - The wire which is coloured GREEN & YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or Green and yellow. The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. If a 13 amp (BS1363) plug is used a 13-amp fuse must be fitted, or if any other type of plug is used a 15 amps fuse must be fitted either in the plug or adapter or at the distribution board.

EMC warning

It is inherent in the design of a loudspeaker and in the design of guitar pickups that they should emit or be affected by electro magnetic fields. Loudspeaker enclosures should not be used less than two meters away from equipment, which is likely to be affected by electro magnetic interference.

Likewise, guitar fitted with electro magnetic pickups should not be used less than two meters away from any source of emissions such as loudspeakers. Emissions from loudspeakers are dependent on the frequency characteristics of the drive unit. Levels were measured direct from the driver of 30 dBuV. These levels are reduced to a safe level at a distance of 1,27 meters from the drivers.

Laney

BLT Industries Ltd.,
Newlyn Road,
Cradley Heath,
West Midlands.
B64 6BE.
[Http://www.laney.co.uk](http://www.laney.co.uk)

Tel: (0044) (0)1384 633821
Fax: (0044) (0)1384 639186

In the interest of continued product development BLT Industries Ltd. Reserves the right to amend product specification without prior notification.