

LANEY



# World Series

W O R L D S E R I E S

LANEY

CLASSIC BRITISH AMPLIFICATION

# World Series

## WORLD SERIES AMPLIFICATION

**Congratulations on the purchase of your new Laney World Series amplifier.**

**World Series have been designed to commemorate the 25 years anniversary of Laney's contribution to both musicians and the music industry in general.**

**We at Laney believe that World Series amplifiers are the most versatile, technically advanced, and wonderful sounding amplifiers we have ever produced.**

**Naturally we hope you agree with us and will enjoy many happy years of satisfaction with our product.**

**BEFORE SWITCHING ON** Your amplifier should be fitted with a three pin 'grounded' (or 'earthed') plug. Please make sure that the amplifier is powered from a "grounded/earthed" outlet.

If changing or fitting a plug yourself, ensure that the applicable wiring code is adhered to, for example in the UK the cable colour code for connections are as follows:

EARTH OR GROUND - GREEN / YELLOW

NEUTRAL - BLUE

LIVE - BROWN

The amplifier should never be exposed to moisture or wetness under any circumstances since this would represent a possible shock or fire hazard, and may cause expensive damage to your valuable possession.

To ensure that you get the best from your amplifier it is important that you take some time to read this instruction manual, and to familiarise yourself with the control functions and facilities available. Careful study will save you time in creating the many exciting and varied sounds your amplifier has been designed to deliver.



## WORLD SERIES

World Series amplifiers are the result of 25 years of experience by Laney's design team, that has culminated in what we believe to be the most exciting amplifier ever produced from solid state technology.

You will find your World Series amplifier is capable of mimicking just about every other amplifier brand on the market, and that's before you begin to create your own superior, World Series sounds.

Your World Series amplifier will enable you to use either one or two instruments, which is particularly useful for cabaret artists, practice etc.

You can change channels with the CHANNEL SELECT switch or remote footswitch facility, and change sounds, from crystal clean to crunch or overdrive, and from crunch, to an overdrive sound that will 'rip your face off'.

World Series have all the sophisticated extras you would expect, in such a superior amplifier, operation and use of these is explained in detail within this manual.

The World Series logic pre-amplifier has been designed to be user friendly, ensuring great sounds are easily obtained.

Following are instructions supported by channel setting illustrations, designed to guide you through your amplifier and generally make life easy for you.

Please note that these settings will only get you close, and final tuning of EQ and volume will always be something special and personal to you.

Crunch can be obtained on either channel depending on which switching options you require. Should you wish to switch from crunch to overdrive then the CLEAN CHANNEL should be used for crunch and the HIGH GAIN CHANNEL for overdrive.

Alternatively should you wish to switch from clean to crunch then crunch should be set on the HIGH GAIN CHANNEL.

## THE CLEAN CHANNEL

**TO SET A CLEAN SOUND** Connect your guitar to the socket marked INPUT and then select the CLEAN CHANNEL with the CHANNEL SELECT switch. The channel indicator light, mounted immediately to the right of the channel GAIN control should now be illuminated.

Set the channel EQ controls as shown.

### CLEAN



The GAIN control should be used in conjunction with the channel MASTER volume control. As a general rule, for a clean sound, the MASTER volume should always be in advance of the GAIN control.

**SETTING CRUNCH** To set crunch pull the GAIN knob and set the crunch zone as required. Crunch operates above 5 on the pulled GAIN control. The higher the setting, the more crunch.

### CRUNCH



PULL

## THE HIGH GAIN CHANNEL

**SETTING FOR OVERDRIVE** The HIGH GAIN CHANNEL should be used for overdrive sounds, that can range from a creamy mild crunch to a screaming totally wild Thrash mode.

So diverse are the range of overdrive settings available that we suggest you choose the setting shown below and then experiment further.

Normally overdrive is preferred to originate from the pre-amplifier and in this respect the MASTER volume control should always be set lower than the channel GAIN.

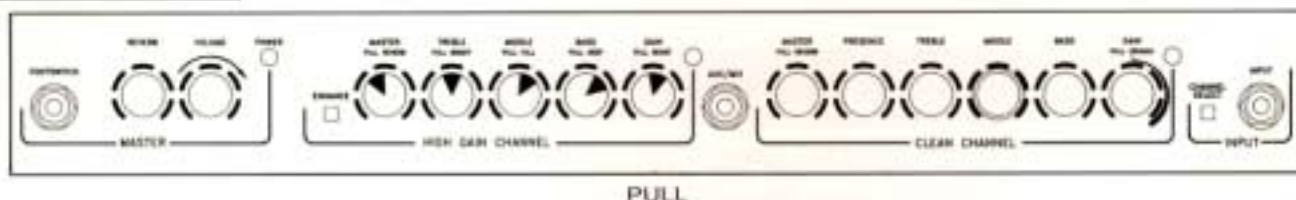
World series amplifiers feature the exclusive to **Laney**, ENHANCE circuitry. Once your overdriven sound is selected, the ENHANCE switch should be pushed in.

ENHANCE is extremely subtle but effective, whereby the extreme high order harmonics are cleaned out, thus emphasising the more pleasant harmonic content of the overdriven sound.

Translated this means that the 'fizzy' type of overdriven sound, common to most solid state amplifiers is eliminated, and the notes within chords are in effect emphasised.

Important: Some musicians will prefer not to use ENHANCE, preferring instead to use in full the outrageous overdrive available from World Series amplifiers.

### OVERDRIVE



**SETTING FOR CRUNCH** To set crunch use the settings below as a start point and then adjust EQ as required. Remember the GAIN control should be in advance of the channel MASTER volume control.

### CRUNCH



**EFFECTS LOOP** On the rear panel are effects SEND and RETURN sockets for the buffered EFFECTS LOOP. Buffered effects are preferred, since they ensure a constant output signal level.

## MASTER CONTROLS

**REVERB AND VOLUME** Your World Series amplifier has individual channel controls for both reverberation and volume, you may in addition adjust the overall levels simultaneously using the MASTER controls.

**CHORUS COMBINATIONS** Model WS100SC is similar to all World Series models with the exception that it has the added facility of chorus. the chorus master controls are: RATE with indicator LED, and DEPTH (see Chorus pre-amplifier).

**AMPLIFIER HEAD** Model WS120H operates as all World Series models. The only variation is that the loudspeaker is not built in and it will be necessary to connect your separate speaker enclosure, to the speaker output sockets on the rear of the amplifier. The amplifier is designed to supply full power at 4 ohms impedance and resultant speaker loadings should not be less than 4 ohms.



**AMPLIFIER HEAD WITH CHORUS** Model WS120SCH is similar to WS120H but with the addition of built in chorus (see Chorus pre-amplifier).

## CHORUS PRE-AMPLIFIER



## GENERAL INFORMATION

**MIXING CHANNELS** Playing with both channels mixed is indeed a luxury that can be enjoyed with World Series amplifiers. The results can be wonderful, with pure clean magic set on the CLEAN CHANNEL, and a beautiful satin sustain over the top from the HIGH GAIN CHANNEL. To use the channel mixing mode, leave your instrument in the normal INPUT and set each channel EQ individually. Next re-plug your instrument into the AUX/MIX socket and adjust the balance between the channels (if necessary) with the MASTER volume controls. When an instrument is connected to the AUX/MIX socket, both channels are enabled, and the channel footswitch is overridden automatically.

**USING TWO INSTRUMENTS** When using a second instrument, plug the first as normal into the CLEAN CHANNEL and set the EQ as required. The second instrument should be plugged into the AUX/MIX socket situated between channels, which is now the input to the HIGH GAIN CHANNEL. The EQ may now be set as required. When using two instruments the channel footswitch option is overridden automatically. ENHANCE will operate as required on the HIGH GAIN CHANNEL.

**USING HEADPHONES** Headphones may be used for practice or tuning. Simply disconnect your speaker by removing the speaker jack at the rear of your amplifier, plug in your headphones and play as normal. Important: After completing headphone use, ensure your speakers are re-connected to the correct output.

**EFFECTS LOOP** On the rear panel are effects SEND and RETURN sockets for the buffered EFFECTS LOOP. Buffered effects are preferred, since they ensure a constant output signal level.

**CONNECTING EFFECTS** There are two ways in which to connect effects units, either between your guitar and the amplifier INPUT (pre EQ), or directly into the buffered EFFECTS LOOP (post EQ).  
As an example it is normal to connect an effects pedal, such as a compressor between the guitar and amplifier, whereas, a digital effects unit would be connected to the buffered EFFECTS LOOP.

**CONNECTING A POWER AMPLIFIER** External power amplifiers can be driven via the effects loop SEND socket.

## EXPLANATION OF TERMS (CLEAN CHANNEL)

**INPUT** Your instrument should be plugged into this socket.

**CHANNEL SELECT** Selects the channel you require, the channel selected is indicated by an illuminated LED. Note: When a footswitch is connected the Select Switch is overridden and channel selection is then made via the footswitch.

**CHANNEL LED** Illuminates when channel is in use.

**GAIN (PULL CRUNCH)** Controls the gain or input level of the CLEAN CHANNEL.



## EXPLANATION OF TERMS (MASTER SECTION)

**VOLUME** Adjusts the overall output of the amplifier. This eliminates the need to re balance, each channel independently.

**REVERB** Adjusts the amount of reverberation effect sent to each channel.

**CHORUS DEPTH (PULL ON)** Adjusts the depth of chorus effect required. Chorus may be activated by 'pull on' or by footswitch.

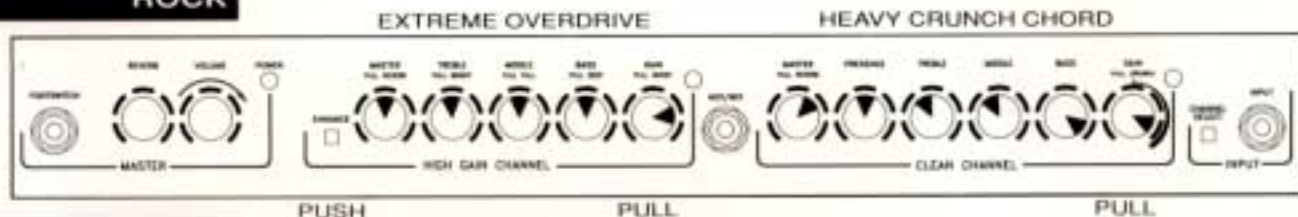
**CHORUS RATE** Controls the rate of chorus effect, this is accompanied by an LED indicator.

**FOOTSWITCH** Input for connection of optional remote stereo footswitch FS2, suitable for switching both reverberation and channels. If channel switching only is required then mono footswitch FS1 may be used.

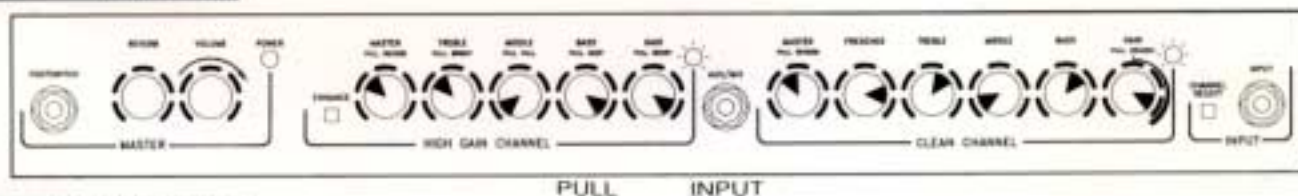
We hope you have found this WORLD SERIES manual helpful in arriving at your preferred sound. Please remember that no two players or any two guitars are the same, and therefore our pre-amp setting illustrations should be close, but not necessarily exactly as you may require.

Following are some pre-amplifier settings, for different types of music you may find of interest. Whatever style of play we hope you will agree with us at **LANEY** that you have purchased an extremely versatile amplifier, that we are sure will afford you many years of pleasure.

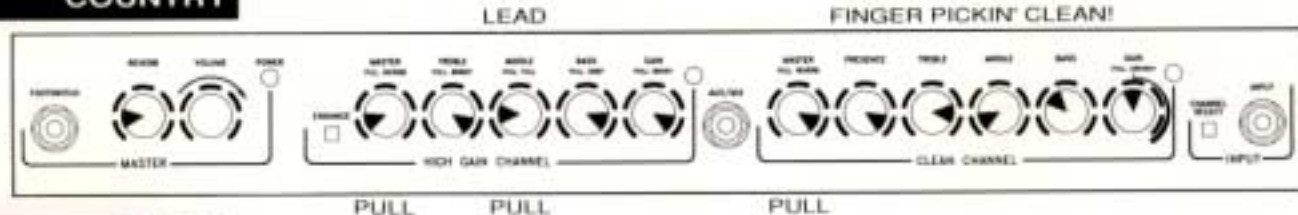
### ROCK



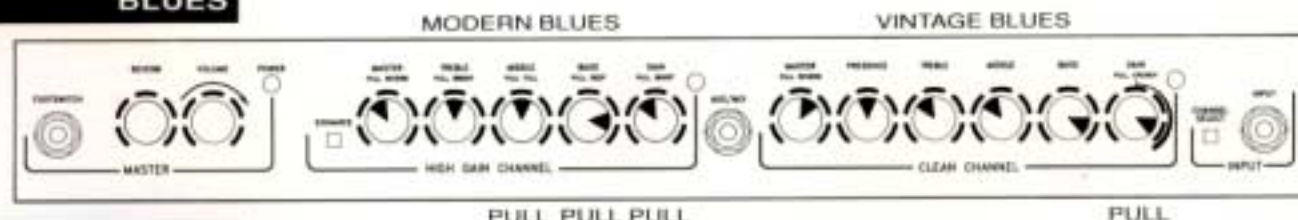
### THRASH



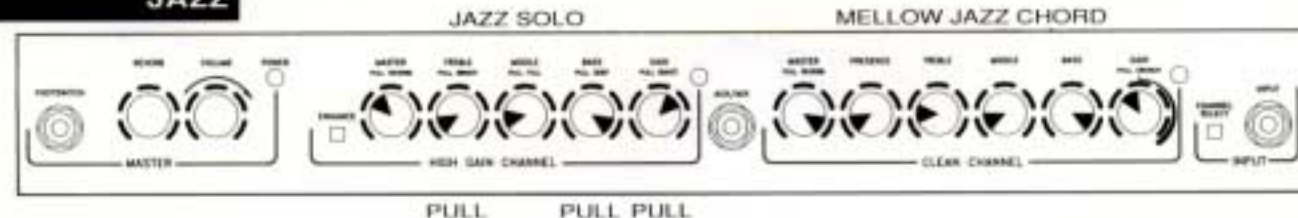
### COUNTRY



### BLUES



### JAZZ





*World Series*

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**LANEY**

CLASSIC BRITISH AMPLIFICATION

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