

**BRIGHT CLEAN** Master Volume should be pulled out and set no higher than six (6). This is the point where the output tubes (EL34) start to break up and create their own unique distortion characteristics. Set preamp volume to desired level before creating distortion. Usually three (3) or four (4) is maximum.

**WARM CLEAN** Master Volume should be pushed in and set on ten (10). This allows the output tubes (EL34) to break up and create a smoother signal. Set preamp volume to desired level before creating a distortion. Usually three (3) or four (4) is maximum.

**CLASSIC AMERICAN DISTORTION** Preamp control should be set between four (4) and six (6). This allows the preamp stage of the amplifier to distort naturally to give you the vintage sounds of the early American amplifiers. The master volume can be pulled or left in the passive mode. Set master volume to desired level.

**CLASSIC BRITISH DISTORTION** Preamp control should be set between six (6) and ten (10). This allows the preamp to distort enough to recreate the vintage sounds of the late 60's British amplifiers. The master volume can be pulled or left in the passive mode. Set master volume to desired level.

**NOTE:** On both the above distortion settings the original tones can be better duplicated with the master volume up as high as possible. The earlier amplifiers had no master volume controls and therefore many of the tones originated in the output sections of these amps.

#### SUGGESTED SETTINGS FOR AOR CHANNEL

This channel was designed to take you from classic distortion settings all the way up to the "Ultra-High Gain" settings used today.

**CLASSIC BRITISH DISTORTION** Preamp control should be set on zero (0). This setting takes over where the channel one preamp leaves off on ten (10). Master volume can be pulled or left in the passive mode. Set master volume to desired level.

**HIGH-GAIN BRITISH DISTORTION** Preamp should be set between three (3) and six (6). This setting emulates the high gain modifications commonly done to British tube amplifiers. Master volume can be pulled or left in the passive mode. Set master volume to desired level.

**ULTRA HIGH-GAIN** Preamp should be set between six (6) and ten (10). This setting results in massive gain through the preamp of the amplifier. The more gain to the preamp tube, the smoother and more compressed the sound will become. Once again the master volume can be pulled or left in the passive mode. Set master volume to desired level.

**NOTE:** All of the above settings will generally benefit from a higher master volume setting thus creating more output tube distortion.

# LANEY

## AOR TUBE AMPLIFIERS

MODELS: A50 A100

## OPERATING MANUAL



## INTRODUCTION

Congratulations on your selection of the new Laney AOR series tube guitar amplifier. Our twenty five year heritage of making tube amplifiers has resulted in an expressive, high gain amplifier with an impressive list of standard features.

Although your new Laney has been designed with ease of operation in mind we recommend you spend a few moments reading through this manual to get further acquainted with its many new features.

### BEFORE SWITCHING ON

Your A50 or A100 utilizes matched EL34 output tubes in the power section of the amplifier. Through the years we have found that while these tubes provide the best sound for guitar amplifiers they are subject to damage during shipment. For this reason we have taken the precaution to package them separately during shipment. Installation procedure is as follows:

- \* Remove backpanel from amplifier
- \* Remove package containing the output tubes.
- \* Locate the centering pin on the tube and the corresponding centering pin on the tube socket.
- \* Carefully insert the tube into the socket.
- \* Re-install the backpanel.

### IMPORTANT

Before turning on your new amplifier please make sure your speaker lead is plugged into the correct speaker load. **DO NOT ATTEMPT TO RUN THE AMP WITHOUT A SPEAKER CONNECTED!** The wrong impedance or load can cause serious damage to your new amplifier.

The amplifier should not be exposed to wetness under any circumstance since it would represent a possible shock or fire hazard. Please observe further safety instructions printed on the rear panel of the amplifier.

### FRONT PANEL FEATURES LEFT TO RIGHT

#### POWER SWITCH

**STANDBY SWITCH** It is highly recommended that you engage the standby until the tubes have had sufficient time to warm up (approx 2 mins).

**PRESERVE CONTROL** Controls High Frequency response of the amplifier output stage.

**BASS CONTROL** Controls low frequency response of the preamp. Pull to engage boost function for additional bass response.

**MIDDLE CONTROL** Controls middle frequency response of the preamp. Pull to engage boost function for additional middle response.

**TREBLE CONTROL** Controls high frequency response of preamp.

**CHANNEL ONE MASTER VOLUME** Controls output volume of channel one. Pull to engage boost function for additional high frequency response.

**CHANNEL ONE PREAMP VOLUME** Controls gain and input level of channel one.  
**AOR CHANNEL MASTER VOLUME** Controls output volume of AOR channel. Pull to engage boost function for additional high frequency response.

**AOR CHANNEL PREAMP VOLUME** Controls gain and input level of AOR channel.

**LOW SENSITIVITY INPUT** Bi passes first input tube for lower sensitivity.

**HIGH SENSITIVITY INPUT** Accepts all guitars with passive or active pickups.

### BACK PANEL FEATURES LEFT TO RIGHT

**FOOTSWITCH JACK** Accepts single on/off footswitch. Laney part no. FS1. Selects between channels.

**EFFECTS LOOP** With the advent of more effects being used in todays music, Laney has incorporated a "Buffered Effects Loop". This provides a uniform -6dBv signal to and from your effects without distorting the effect input level. You will achieve reduced noise levels when you run your effects through this loop.

**LINE OUTPUT** This is a direct, line level (-6dBv) output. This allows you to take a post effects loop signal from your amplifier and apply it to a mixing board, power amplifier or other sound processing device. **IMPORTANT** Under no circumstance should your amplifier be run without a speaker load.

**16 OHM SPEAKER OUTPUT** Connects to a 16 ohm cabinet. \*\* Be certain of cabinet impedance \*\*

**TWO 8 OHM SPEAKER OUTPUTS** Connects to one 8 ohm cabinet or two 16 ohm cabinets. \*\* Be certain of cabinet impedance \*\*

**TWO 4 OHM SPEAKER OUTPUTS** Connects to one 4 ohm or two 8 ohm or four 16 ohm cabinets. \*\* Be certain of cabinet impedance \*\*

**HT PROTECTION FUSE** Protects amplifier from failed EL34 output tubes, replace tubes when this fuse blows. If problem continues consult your local dealer or service centre. Always replace fuse with correct type and rating, failure to do so may result in serious damage to your amplifier.

### AC POWER

**AC POWER FUSE** Protects amplifier from outside voltage spikes (Bad power) and ensures against possible fire hazard. Always replace fuse with correct type and rating, failure to do so may result in serious damage to your amplifier and constitute a possible fire hazard.

### SUGGESTED SETTINGS FOR CHANNEL ONE

This channel was designed to take you from clean settings all the way up to "Classic" distortion settings. Depending on where you set your preamp and master volume controls, this can be one of the most versatile channels on your new Laney amplifier.