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Laney IRF-DUALTOP

Laney IRF Dual Top Guitar Amplifier Head - Model IRF-DUALTOP Instruction Manual

Your comprehensive guide to setting up, operating, and maintaining your Laney IRF-DUALTOP amplifier.

INTRODUCTION

The Laney IRF-DUALTOP is a 60-watt RMS twin channel guitar amplifier head, designed to deliver versatile tones in a compact and portable format. Forged with over 55 years of tone experience, this amplifier offers a range of features including a footswitchable Boost, a 3-band passive EQ, an FX loop, on-board digital reverb based on the Secret Path algorithm, and a switchable high-quality IR loaded speaker emulated XLR DI out. It also features VARI WATT output from 100% down to less than 1% output, a cabinet emulated headphone socket, and an Aux IN for practice and recording.

SAFETY INFORMATION

Please read and understand all instructions before operating your amplifier. Retain this manual for future reference. Always ensure the amplifier is connected to a grounded power outlet. Do not expose the unit to rain or moisture. Avoid operating near heat sources or in direct sunlight. Refer all servicing to qualified personnel. Disconnect the power cord during lightning storms or when unused for long periods.

PACKAGE CONTENTS

- Laney IRF-DUALTOP Amplifier Head
- Power Cord (Corded Electric)
- Footswitch (for Boost and Channel switching)
- User Manual (this document)

FRONT PANEL CONTROLS

The front panel provides access to all primary controls for shaping your tone.



Figure 1: Front view of the Laney IRF-DUALTOP amplifier head, showing input jack, boost switch, channel 1 and 2 controls, EQ section, and reverb knob.



Figure 2: Close-up diagram illustrating the functions of each knob and switch on the front panel, including Switchable Pre-Boost, CH1 ASYM/CLEAN/SYM modes, CH2 Bright/Normal/Dark Voicing, 3-Band Passive EQ Tone Stack, and BCC-SECRET PATH Reverb.

- **INPUT:** Connect your guitar here.
- **BOOST:** Activates the switchable Pre-Boost with adjustable level.
- **CHANNEL 1 (Clean):**

- **ASYM/CLEAN/SYM Switch:** Selects different gain modes for Channel 1.
- **GAIN:** Adjusts the input gain for Channel 1.
- **VOLUME:** Controls the output volume for Channel 1.

- **CHANNEL 2 (Lead):**

- **BRIGHT/NORMAL/DARK Switch:** Selects different voicing options for Channel 2.
- **LEAD GAIN:** Adjusts the input gain for Channel 2.
- **LEAD VOLUME:** Controls the output volume for Channel 2.

- **3-Band Passive EQ:**

- **BASS:** Adjusts low frequencies.
- **MIDDLE:** Adjusts mid frequencies.
- **TREBLE:** Adjusts high frequencies.

- **REVERB:** Controls the level of the on-board digital reverb (Secret Path algorithm).

REAR PANEL CONNECTIONS

The rear panel provides various input and output options for connecting to external devices and speakers.



Figure 3: Rear view of the Laney IRF-DUALTOP amplifier head, showing the power input, speaker outputs, effects loop, AUX in, headphone output, DI out, and footswitch input.



Figure 4: Close-up diagram illustrating the functions of each connection on the rear panel, including XLR DI Out with IR Cab Simulation, Cabinet Emulated Headphone Output, AUX IN, Effects Loop (Transformer Isolated), Remote Footswitch Input, Loudspeaker Out, High and Low power modes, and 100-240V Universal Voltage power supply input.

- **DI OUT (XLR):** Balanced XLR output with switchable high-quality IR loaded speaker emulation (two custom Laney 1x12" & 4x12" cabs). Includes a Ground Lift switch.
- **AUX IN:** 3.5mm stereo input for connecting external audio devices (e.g., MP3 player) for backing tracks.
- **PHONES:** 3.5mm stereo output with cabinet emulation for silent practice.
- **EFFECTS LOOP (FX SEND/LINE OUT, FX RETURN):** Transformer isolated send and return jacks for connecting external effects pedals.
- **REMOTE:** Input for the footswitch to control Boost and Channel switching.
- **LOUDSPEAKER OUT:** Connects to an external speaker cabinet (8-16 Ohms impedance).
- **WATTS (VARI WATT):** Switch to select between 100% output, <1W output, or other power modes for different volume levels.
- **POWER:** Main power switch for the amplifier.
- **DC 24V 2.5A:** Power input for the included 100-240V universal voltage power supply.

KEY FEATURES

- 60-watts RMS twin channel amplifier head.
- Footswitchable Boost for added gain.
- Versatile 3-band passive EQ for tone shaping.
- Transformer Isolated FX Loop for noiseless performance with external effects.
- On-Board Digital Reverb based on the Secret Path algorithm.
- Switchable high-quality IR loaded speaker emulated XLR DI out for direct recording or PA connection.

- VARI WATT output from 100% to less than 1% for flexible volume control.
- Cabinet emulated headphone socket for silent practice.
- Aux IN for playing along with backing tracks.

SETUP

1. **Power Connection:** Connect the supplied power adapter to the DC 24V 2.5A input on the rear panel and then to a suitable grounded mains power outlet.
2. **Speaker Connection:** For optimal sound, connect the LOUDSPEAKER OUT to an external speaker cabinet with an impedance between 8 and 16 Ohms using a high-quality speaker cable. Ensure the speaker cable is securely connected at both ends.
3. **Guitar Connection:** Plug your guitar into the INPUT jack on the front panel using a standard instrument cable.
4. **Initial Settings:** Before powering on, ensure all GAIN and VOLUME knobs are set to their minimum (fully counter-clockwise) position. Set the WATTS switch to a low power setting for initial testing.
5. **Power On:** Flip the POWER switch to the 'ON' position. The power indicator light will illuminate.

OPERATING INSTRUCTIONS

Basic Operation

1. **Channel Selection:** Use the footswitch or the front panel switches to select between CHANNEL 1 (Clean) and CHANNEL 2 (Lead).
2. **Adjusting Volume:** Slowly increase the VOLUME (for Channel 1) or LEAD VOLUME (for Channel 2) to your desired listening level.
3. **Gain Control:** Adjust the GAIN (Channel 1) or LEAD GAIN (Channel 2) to control the amount of overdrive or distortion.
4. **Tone Shaping:** Use the BASS, MIDDLE, and TREBLE knobs to adjust the amplifier's tonal characteristics.
5. **Reverb:** Turn the REVERB knob clockwise to add more digital reverb to your sound.
6. **Boost:** Engage the BOOST switch (via footswitch or front panel) to activate the pre-boost circuit. Adjust the BOOST knob to set the boost level.

Advanced Features

- **VARI WATT:** Experiment with the WATTS switch on the rear panel to find the optimal power output for your playing environment, from full 60W to less than 1W for bedroom practice.
- **Headphone Practice:** Connect headphones to the PHONES jack for silent practice. The output includes cabinet emulation.
- **Playing with Backing Tracks:** Connect an audio source to the AUX IN jack to play along with music.
- **Effects Loop:** Integrate external effects pedals by connecting them to the FX SEND/LINE OUT and FX RETURN jacks. The transformer isolated loop ensures signal integrity.
- **Direct Recording/PA:** Use the XLR DI OUT to connect directly to a mixing console or audio interface. Utilize the IR CAB SIMULATION switch to select between different cabinet emulations for a professional recorded tone.

MAINTENANCE

- **Cleaning:** Clean the amplifier's exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the amplifier in a dry, cool place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure proper ventilation around the amplifier to prevent overheating. Do not block any ventilation openings.
- **Cable Care:** Always use high-quality cables and handle them with care to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Power not connected, volume too low, speaker not connected, faulty cable.	Check power connection, increase volume, ensure speaker is connected, test with different cables.
Weak or distorted sound.	Incorrect gain settings, faulty guitar/cable, speaker impedance mismatch.	Adjust GAIN/LEAD GAIN, test with another guitar/cable, verify speaker impedance.
Excessive hum or noise.	Ground loop, faulty cable, interference from other electronics.	Use the DI OUT Ground Lift switch, try different power outlets, replace cables, move away from other electronics.
Footswitch not working.	Footswitch cable not connected or faulty.	Ensure footswitch cable is securely connected to the REMOTE jack.

SPECIFICATIONS

Feature	Detail
Model	IRF-DUALTOP
Output Wattage	60 Watts RMS (with VARI WATT control)
Channels	Twin Channel (Clean, Lead)
EQ	3-Band Passive (Bass, Middle, Treble)
Effects	Digital Reverb (Secret Path algorithm), Footswitchable Boost
DI Output	XLR with Switchable IR Loaded Speaker Emulation
Headphone Output	3.5mm Stereo with Cabinet Emulation
Aux Input	3.5mm Stereo
Effects Loop	Transformer Isolated
Speaker Output Impedance	8-16 Ohms
Power Source	Corded Electric (100-240V Universal Voltage PSU)
Item Weight	11.28 pounds
Product Dimensions	20.1 x 9.5 x 9.5 inches

WARRANTY AND SUPPORT

Laney products are designed and engineered to the highest standards. For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Laney website. Keep your proof of purchase for any warranty claims.

PRODUCT VIDEOS

Watch these official product videos for more information and demonstrations.

JOYO Zombie-II BanTamp XL Series Mini Amp Head

Your browser does not support the video tag.

This video demonstrates the features and sound of the JOYO Zombie-II BanTamp XL Series Mini Amp Head, showcasing its clean and dirty channels. Note: While this video features a similar product type, it is provided by a seller and offers relevant insights into compact amplifier heads.

JOYO Zombie-II Tube Amp Head- OD & Clean Channel

Your browser does not support the video tag.

This video provides a detailed look at the clean and overdrive channels of the JOYO Zombie-II Tube Amp Head. Note: While this video features a similar product type, it is provided by a seller and offers relevant insights into compact amplifier heads.

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