

# ALIGN SERIES **ACTIVE DI**



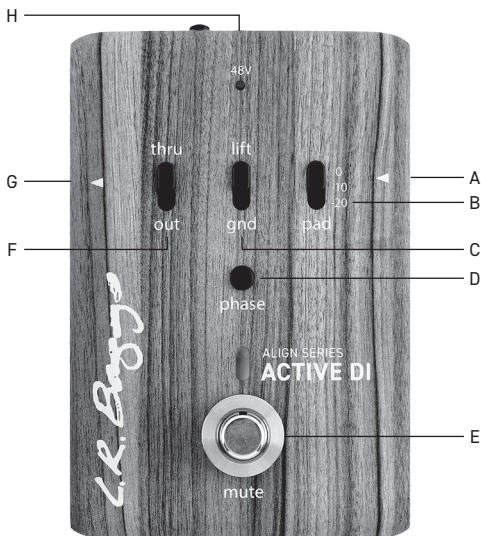
## USER'S GUIDE

# INTRODUCTION

Building upon decades of experience creating studio-quality gear for the stage, the Align Active DI is the embodiment of LR Baggs engineering at its highest level and uses the most pristine circuitry we have developed in a DI. Our all-discrete design preserves the authenticity of your sound while providing high headroom for a wide range of signals. Equally at home on a pedalboard or standalone, we are excited to offer a DI with such a high degree of fidelity and functionality.

## GETTING STARTED

1. Power the Active DI with a 9V power supply, 9V battery, or 48V phantom power (a green light will indicate phantom power is being used).
2. Plug your instrument into the input to activate the Active DI (upper **right hand** side) and a cable into the ¼" output (upper **left hand** side) and/or the XLR output (on the **back**).
3. Plug the ¼" and/or XLR cable into your amp or PA and experiment with the DI.
4. Use the pad switch if necessary. Read section B in this manual for setting your pad to the appropriate level.



## TOP FEATURES

### A. INSTRUMENT INPUT

The  $\frac{1}{4}$ " input is an unbalanced (mono), all-discrete input. Plugging into the input will activate the Active DI, therefore, unplugging will turn the system off.

### B. PAD

The pad switch is used to adjust the XLR output to 0dB (no change), -10dB, or -20dB. Adjust this depending on the needs of the PA or amplifier.

### **C. GROUND LIFT**

Engage this switch to reduce or eliminate ground loop related noise.

### **D. PHASE**

Press this button to invert the phase. Usually, one phase will provide better sound and feedback resistance. With all acoustic instruments it is important to try both phases each time you set up, because phase is relative to your position on the stage.

### **E. MUTE**

Press the footswitch to mute the signal (**Note:** the mute will not affect the ¼" out when the Thru/Out switch is set to thru). The red LED will light up when the Active DI is muted. Press the footswitch again to un-mute your signal.

### **F. THRU/OUT**

When set to thru, the output completely bypasses all circuitry and sends an unaffected signal to the ¼" out. When set to out, the signal will be affected by all the controls. The XLR is not affected by this switch.

### **G. ¼" OUTPUT**

The ¼" output is an unbalanced, line level output. You can plug into any amp or device that has a ¼" input.

### **H. XLR OUTPUT**

The DI out is a balanced XLR output for connecting to a mixing board with an XLR (mic) cable.



## SIDE FEATURES

### A. DC INPUT

The DC power input is designed for a standard 2mm plug commonly used with effects pedals and “floor-box” products. Most power supplies or multi-power devices designed for musical products may be used. 9VDC recommended with a 12VDC maximum. Plugging in a power supply will activate the Active DI.

# SPECIFICATIONS

## 1/4" INPUT

Input Impedance: 2.2 Megohms

Preamp Gain: 0dB, -10dB, -20dB

Input Level: -25dBv to +8.5dBv (0.056Vrms to 2.651Vrms)

Frequency Response: 20Hz – 60kHz (-1dB point)

## LINE OUTPUT

Output Level: +8.5dBv (2.651Vrms) Unbalanced

Output Impedance: 470 Ohms

## DI OUT

Output Level: +8.5dBv (2.651Vrms) Balanced

Output Impedance: 620 Ohms

## POWER

DC Power Consumption: 27mW Max at 9V

DC Current Draw: 2.8mA

Voltage Range: 7.5VDC – 12VDC

Power Supply: 9VDC with 100mA minimum

**\*IMPORTANT:** polarity Pos (+) on outside, Gnd (-) on center

9V Battery Life: 180 hours

Phantom Power: 48V

Signal to Noise: 90dB, Unweighted

## PHYSICAL CHARACTERISTICS

0.85 Lbs, 5" Length x 3.25" Width x 2" Depth

*These specifications may change without notice.*

# PRODUCT REGISTRATION & WARRANTY INFORMATION

## PRODUCT REGISTRATION

Register the Align Active DI online at:

**[lrbaggs.com/register](http://lrbaggs.com/register)**

## LIMITED WARRANTY

L.R. Baggs warrants to the using purchaser that this product shall be free of defects in workmanship and materials under normal and proper use for a period of one year. If you experience problems with the Align Active DI, please contact your dealer.

To learn more about this product, please visit:

**[lrbaggs.com/align](http://lrbaggs.com/align)**



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