

Voiceprint DI User's Guide

INTRODUCTION

The product of nearly 3 years of intensive research and collaboration with a team of PhDs, LR Baggs is thrilled to introduce Voiceprint DI, the next breakthrough chapter in acoustic amplification. Voiceprint DI measures the acoustic response of your guitar and leverages the processing power of your smartphone to accurately capture your guitar's one-of-a-kind voice. A Voiceprint is created and loaded to your Voiceprint DI pedal, replacing your pickup's signal for the most accurate sonic performance we have engineered in our 40+ years.

IMPORTANT

For full use of this product, it is necessary to use the Voiceprint DI with our Acoustic Live app on your smartphone.

FCC STATEMENT

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.



TO GET STARTED

1. Plug in a 9-volt DC power supply (provided).
2. Plug your guitar into the INPUT of the Voiceprint DI (upper right hand side of the box) and a cable to either the 1/4" OUTPUT (upper left hand side) or the XLR output located on the back panel of the unit.
3. Plug the output cable into your amp or PA to listen back to your Voiceprint after you've made one. To learn more about the Voiceprint creation process, reference the Acoustic Live app. To learn more about the specifics of the Voiceprint DI, continue on with this manual.

TOP

A. Anti-FB

This control is used to adjust the mix of your Anti-Feedback profile. When turned counterclockwise to 0, the Anti-Feedback profile will not affect the signal. Turn clockwise to add Anti-Feedback profile.

Additionally, clicking this knob will invert the phase.

*For more in depth Anti-FB control, reference the Acoustic Live app.

B. Voice

This control is used to adjust the mix of your Voiceprint, your guitar's one-of-a-kind voice. When turned counterclockwise to 0, the Voiceprint will not affect the signal. Turn clockwise to add Voiceprint profile.

Additionally, a long press of this knob will enter Bluetooth pairing mode.

*For setting up a Voiceprint and more in depth Voiceprint control, reference the Acoustic Live app.

C. Select

This control is used to select which of your paired Voiceprint and EQ presets to use. The Voiceprint DI can hold up to 100 presets. Turn clockwise to scroll up and counterclockwise to scroll down. The highlighted preset will flash on the digital display. Click the knob to activate the currently selected preset slot. If you idle for too long or click on a slot that does not have a preset saved in it, the Voiceprint DI will default back to the previously selected preset slot.

*For more in depth control over your preset library, visit the Acoustic Live app.

D. Volume

This is a Master Volume that functions independently from the Acoustic Live app. This will control the levels of both the 1/4" out and the XLR out. Both of these outputs will be muted when the Mute footswitch is engaged.

E. Pad

The pad switch is used to attenuate the input by 0dB (no change), -3dB, -6dB, or -9dB. Adjust this depending on the output of your pickup. A visual indicator of the pad's level will appear on the digital display when the switch is used.

F. Mute

This footswitch is used to mute the signal from both the 1/4" out and the XLR out. A solid light will appear above the footswitch when the Mute is engaged.

Additionally, this footswitch can be held to engage a Bypass function. Visual indicators of the Bypass function include a flashing light above the footswitch and BYP on the digital display.

G. Next

This footswitch is used to scroll through the stored presets on the Voiceprint DI. Press the footswitch to activate the next stored preset.

Side

A. DC Input

The DC power input is designed for a standard 2mm plug commonly used with effects pedals and "floorbox" products. A power supply is provided with the Voiceprint DI. 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 Voiceprint DI.

B. 1/4" Input

The 1/4" input is an unbalanced (mono), all-discrete input.

C. 1/4" Output

The 1/4" output is an unbalanced, line level output. You can plug into any amp or device that has a 1/4" input. We recommend running into any other LR Baggs Align pedals, DI's, or the Synapse Personal PA System.

Back

A. USB

This USB port is used to connect your Voiceprint DI to a computer for potential firmware updates.

B. EFX Send

Connect a standard 1/4" mono cable from this jack to the input of an effects pedal or rack device.

C. EFX Return

Connect the return of the output of an effects pedal or rack device to interrupt the signal and complete the series effect loop.

D. XLR Output

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

E. Ground Lift

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

SPECIFICATIONS

1/4" INPUT

Input Impedance: 2.2 Megohms

Input Pad: 0dB, -3dB, -6dB, -9dB

Input Level: -25dBv to +6.24dBv (.053Vrms to 2.05Vrms)

EFFECTS LOOPS

Send Level: 0dBv (0.707Vrms)

Output Impedance: 600 Ohms

Return Level: 5.2dBv (1.414Vrms) Maximum before clipping

Input Impedance: 600 Kohms

D.I. OUT

Output level: 0dBv (0.707Vrms) Balanced

Output impedance: 600 Ohms

LINE OUT

Output level: 0dBv (0.707Vrms) Un-balanced

Output impedance: 470 Ohms

POWER

DC Power Consumption: 4.5W Max @ 9V

Voltage Range: 9VDC – 16VDC

Power Supply: 9VDC with 500mA minimum (included)

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

Signal to Noise: 90dB, unweighted

DIGITAL

A/D and D/A Conversion: 24-bit, 96kHz

DSP: 32-bit floating point DSP processing

Bluetooth Version: V4.2 up to 5.0

iPhone Version: iPhone 6 and later

Android Version: In development, TBD

PHYSICAL CHARACTERISTICS

1.25 lbs, 5" Width x 4.75" Depth x 2.5" Height

These specifications may change without notice.

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Advanced Features Exclusive to Acoustic Live App

Advanced settings for Voiceprint

Advanced settings for Anti-FB

EQ

Preset Library