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**USER GUIDE
JERRY DOUGLAS SIGNATURE SERIES
AURA[®] IMAGING PEDAL**

Quick start

Power – Install a 9V alkaline or lithium battery (not included).

Set the controls – **Volume** at minimum, **select** at #1 and **blend** at its mid-point.

Plug in – Use standard ¼-inch shielded instrument cables. Place any other pedals after the Aura.

Set trim – Play hard and adjust input **trim** (right side) so **clip/batt** LED flashes occasionally.

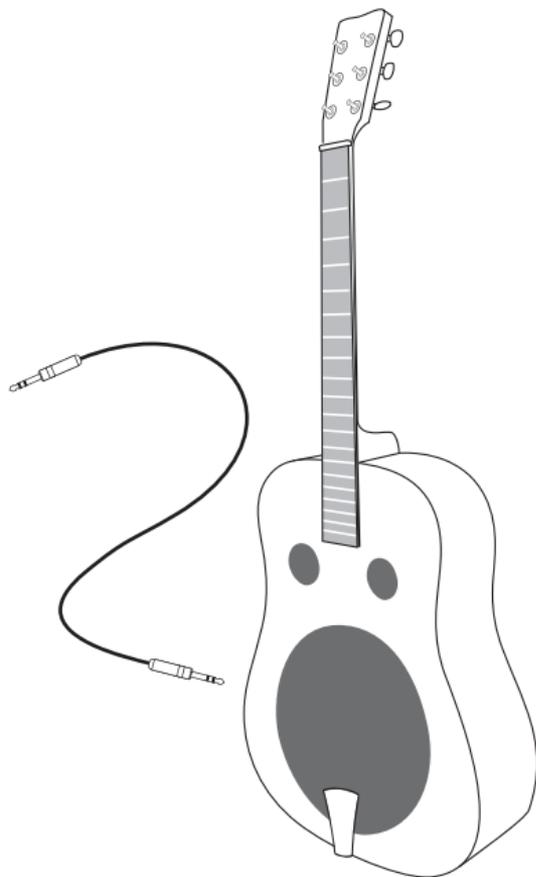
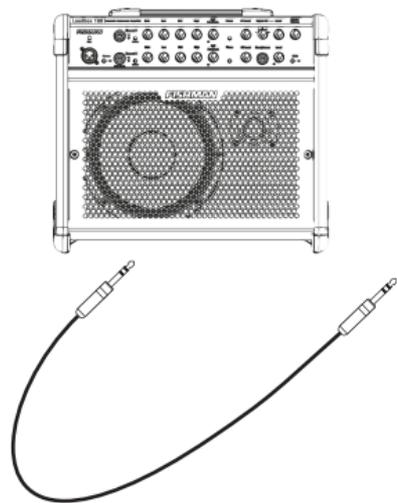
Select an Image – Raise the **volume** and audition the 16 Images with the **select** knob.

Blend to taste – turn left for more pickup and right for more Image.

Kill feedback – If feedback starts, change the position of the **phase** switch.

Bypass – Step on the footswitch to alternate between blended Image sound and dry pickup (default setting).

Mute – To alternate between blended Image sound and mute, hold the footswitch down until the LED flashes. Repeat to return to bypass.



About this pedal

Larry Fishman developed the Signature Series Aura Pedal with a world-class team of professionals, including musician Jerry Douglas, recording studio engineer Bil VornDick, and renowned resonator builder Paul Beard, to bring you the most realistic amplified tone available. Night after night, or any time you record, this pedal lets you reproduce the tone that can only be created by such trade masters.

In order to fully realize the benefits of this pedal, we recommend using the Nashville Series resophonic pickup to amplify your resonator guitar. For the best sound reproduction, connect your Aura Imaging Pedal to an acoustic instrument amp, a PA system, a powered monitor or other full-range system.

A word from Jerry Douglas

“After all these years of fighting microphones and feeling tied to one square foot of stage floor, I really believe we have the answer to every acoustic instrumentalist’s dreams: a realistic sounding system that empowers the voice of our favorite instruments.”

A word from Paul Beard

“In the world of resophonic guitar amplification, we finally have resolution! The Fishman Nashville Series resophonic pickup is the result of new technology and innovative design. Use this pickup when playing with the Aura Imaging Pedal, select a microphone Image and turn it up. This new resonator pickup and Aura will make your microphone obsolete.”

A word from Bil VornDick

“We used Class A discreet mic preamps with vintage and artistically chosen microphones to create these Aura Images. The studio sounds that they conjure are accurate sonic representations of the instrument. I enjoyed working with Larry Fishman, the master who has invented this incredible technology, to create these Images. The calls and emails I have received, from everyday musicians to those that are household names, state their praise for the Aura and how it has helped their instrument whether in concert, a Grand Ole Opry broadcast, or a small night club. These Images were recorded with the benefit of over 25 years of studio experience recording Jerry, and I have taken extreme care to help secure precise Images for your performances. I sincerely hope that you will enjoy using Aura.”

Images

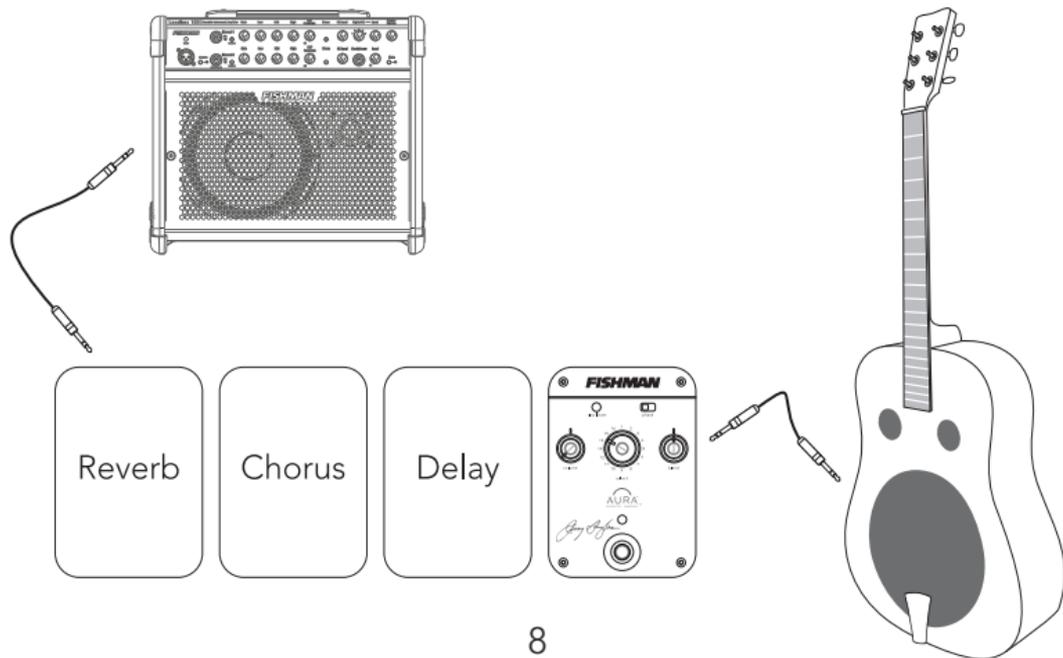
Image	Microphone	Type	Distance
1	Neumann U67	Large diaphragm tube condensor	12"
2	Neumann U67	Large diaphragm tube condensor	18"
3	RCA 77	Poly-directional ribbon	12"
4	RCA 77	Poly-directional ribbon (Instrument drop tuned to CAFCAF)	12"
5	Neumann M149	Large diaphragm tube condensor	18"
6	Neumann M149	Large diaphragm tube condensor	12"
7	Crowley Tripp El Diablo	Figure 8 ribbon	12"
8	Shure SM81	Uni-directional small condensor	12"

Image	Microphone	Type	Distance
9	Royer R-121	Figure 8 Ribbon (Instrument drop tuned to CAFCAF)	12"
10	Neumann U47	Lg. diaphragm cardioid tube condensor	12"
11	Neumann FET 47	Cardioid FET Lg. diaphragm condensor	12"
12	Neumann FET 47	Cardioid FET Lg. diaphragm condensor (Instrument drop tuned to CAFCAF)	12"
13	Crowley Tripp Soundstage	Figure 8 Ribbon	12"
14	Neumann KM84	Small diaphragm cardioid condensor	12"
15	Shure KSM 32	Side-address cardioid condensor	9"
16	Shure SM-57	Cardioid dynamic	12"

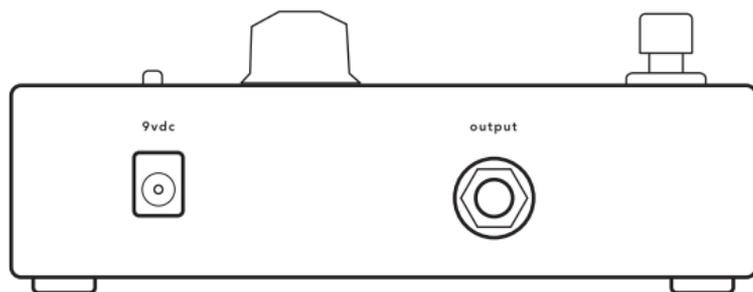
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Using effects

When using your Aura Imaging Pedal with other effects devices, place the Aura Imaging Pedal first in the chain after your guitar.



Left side panel



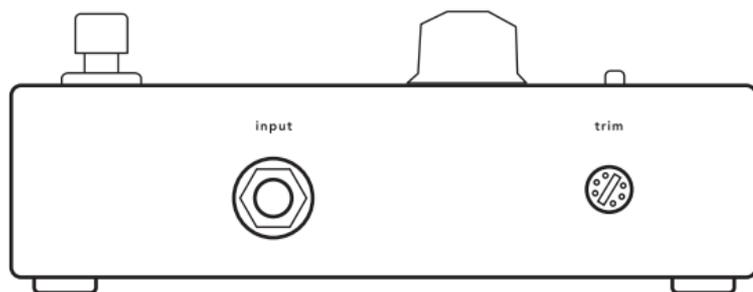
Output

Use a standard ¼-inch instrument cable to connect the **output** to your amplifier, mixer or effects devices. You can also connect this **output** to an unbalanced input on a recording system.

9vdc

See Power section.

Right side panel



Input

Plug in your guitar here with a standard ¼-inch instrument cable. If you have a passive undersaddle pickup (no battery onboard), always plug into the Aura Imaging Pedal first, even if you use a pedal tuner.

Trim

Raise or lower the **trim** to optimize the input level for your pickup. Play hard and adjust **trim** so **clip/batt** LED flashes occasionally. Use your thumb or a pick to turn the **trim** control.

Control set

Phase switch

Use the **phase** switch to improve bass response at low volume or to control feedback at high volume. Play your guitar and toggle the **phase** switch back and forth until you achieve the desired result.

Volume

For the cleanest signal, set the **volume** as high as possible without clipping the next device in the signal chain. If you hear distortion and the **clip/batt** light is not flashing, reduce the **volume**.

Select

The 16 Images you can choose with the **select** knob are hand picked for your type of guitar. Try all 16 and pick the ones that compliment your playing style and sound good in the room. For example, dark/deep sounding Images may add impact to a solo performance. Brighter/lighter Images may compliment an ensemble. There are no rules; try them all and decide which works best for you.

Blend

Position the **blend** knob straight-up at 12 o'clock and you'll hear a 50/50 mix of Aura + pickup. Turn the **blend** all the way right for just Image; all the way left for just pickup. Most performers blend in some pickup with the Image for clarity and definition.

Blend (continued)

Suggestions

- To find a good mix of Image and pickup, turn the **blend** knob to about 8 o'clock, then step on the footswitch. Compare the Image/pickup mix to the dry pickup signal. Slowly move **blend** clockwise and then switch between the two until you are happy with the Image/pickup blend.
- For live performance try backing off the Image by setting **blend** to about 10 or 11 o'clock or about 65% pickup. You won't need too much Image blended in to achieve a great live sound. If feedback occurs, flip the **phase** switch.
- For recording, try blending in more Image for a realistic acoustic tone. Set the **blend** to taste. Again, you'll often get good results with a little bit of pickup blended in with the Image for clarity and definition.

Footswitch

Step on the footswitch to bypass the Aura effect. When you stomp, you'll hear the dramatic difference between the Image blend and the dry pickup. When the light above the footswitch is on, the Image is active. Note when the effect is bypassed, your guitar signal remains buffered. Also, if the **blend** knob is set to 7 o'clock, you will hear no difference between active and bypass states.

Mute (optional mode)

You may set up the footswitch to alternate between the Image blend and muted output. To enable the mute option, hold the footswitch down until the LED flashes. Repeat to return to bypass.

Power

Power may be supplied by either a 9V battery (battery compartment under pedal) or an approved 9V adapter. Insert a plug into the **input** jack, and the Aura Imaging Pedal powers up. To conserve the battery, remove the plug from the **input** when not in use.

For AC power, use the Fishman 910-R (for 110V) or other suitable 9V adapter. The adapter must be filtered, regulated and rated for at least 200mA. It should also accept AC power appropriate for your country. Power Plug requirements: 5.5mm O.D., 2mm I.D., tip = negative.

Battery replacement

The **clip/batt** indicator will light steadily when it is time to change the battery. Open the battery door underneath the pedal and install a fresh 9V alkaline or lithium battery. When the **clip/batt** LED comes on you have approximately one hour of remaining battery life.



Specifications

Digital signal path:	
A/D, D/A conversion:	24-bit
Signal processing:	32-bit
Power supply:	9V alkaline battery or 9VDC adapter
Typical in-use current consumption:	18mA
Typical 9V alkaline battery life:	27 hours
9V adapter:	Fishman 910-R (for 110V) or suitable filtered and regulated, 200mA type, tip = negative
Input impedance:	10M Ohm
Nominal output impedance:	3.5k Ohm
Input trim gain range:	-10dB to +2dB
Maximum output level (onset of clipping):	+2.4dBV
Baseline noise:	-92dBV (A-weighted)
Dynamic range:	94dB (A-weighted)
Phase switch:	Left position = non-inverting

All specifications subject to change without notice.

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