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FISHMAN®

USER GUIDE
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.

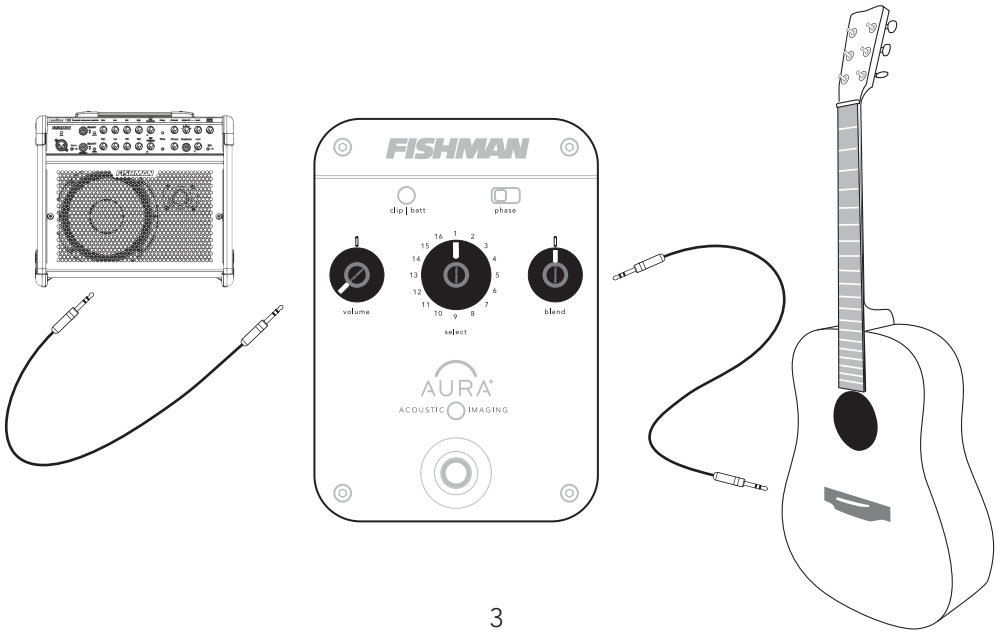
Select an Image – Raise the **volume** and audition the 16 Images with the **select** knob.

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.


FISHMAN
clip | batt
phase
volume
select
blend
AURA
ACOUSTIC IMAGING

Before you plug in

Does your Aura Imaging Pedal match your guitar?

Acoustic Imaging sounds best when you select an Aura Imaging Pedal to match the body style of your guitar. See the following pages to help you choose a compatible pedal.

Do you have an undersaddle or soundhole pickup?

Aura Acoustic Imaging Pedals sound best with Fishman undersaddle pickups and magnetic soundhole pickups. We do not recommend soundboard-mounted pickups, bridge-plate pickups, multi-sensor pickups or microphones for the Aura Imaging Pedal.

Plug into an acoustic amp or PA

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.

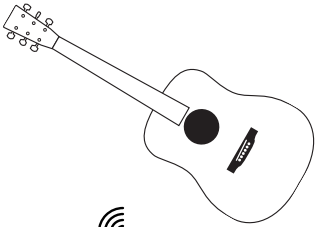
Choose your pedal

Each Aura Imaging Pedal is matched to a specific body style. We hand pick Images for each pedal from the most popular guitar and microphone combinations.

What is Aura Acoustic Imaging Technology? Aura uses digital algorithms developed in Fishman's audio laboratories to create an Image of the natural sound that your acoustic instrument emits when mic'd in a professional studio. This Image, when played through an amp, mixer or PA, blends with your instrument's pickup to produce an immediate and dramatic improvement in your amplified sound.

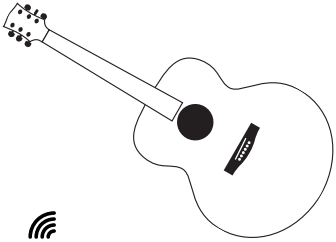
If you are not sure which body type your guitar falls into, we suggest you audition several pedals and let your ear decide. See the following pages to help match your guitar with the right Aura Imaging Pedal.

Choose your pedal (continued)



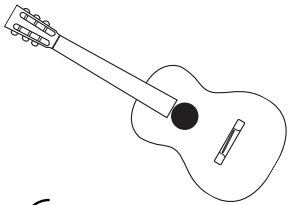
DREADNOUGHT

Use this pedal with all varieties of the classic deep-body dreadnought.



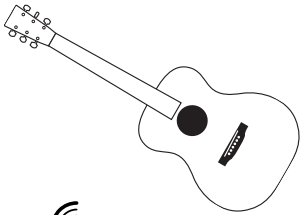
JUMBO

Use this pedal with large, deep-body instruments with slim waists and wide lower bouts (usually over 16”).



CONCERT

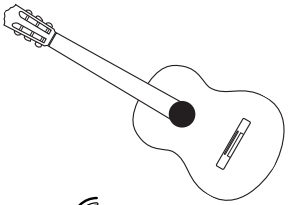
Use the Concert pedal with small-body, short-scale instruments with thin waists, like 0, 00 and L-00 styles; typically finger-picking guitars as well as parlor and travel instruments.



ORCHESTRA

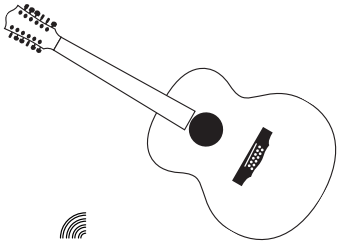
For guitars larger than concert but smaller than dreadnought, the Orchestra pedal works well with OM & 000 styles as well as auditorium and other narrow-waist mid-size, medium-depth instruments.

Choose your pedal (continued)



NYLON STRING

Use with all medium-depth classical and thin-body acoustic-electric nylon-string guitars. Note: Use only an undersaddle pickup with the Nylon pedal.

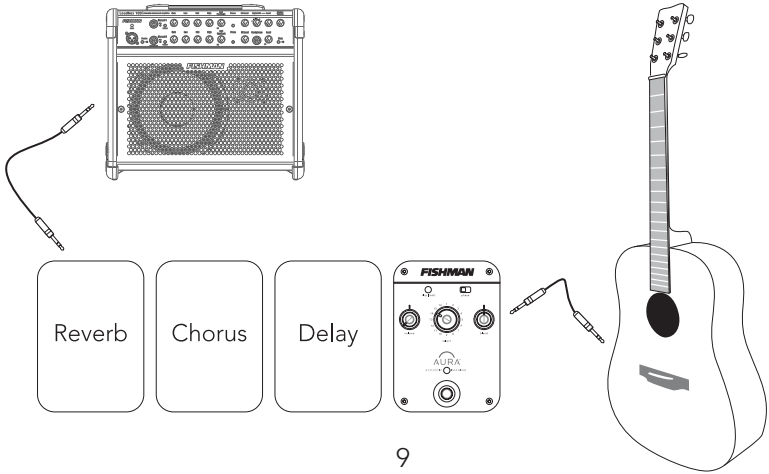


12 STRING

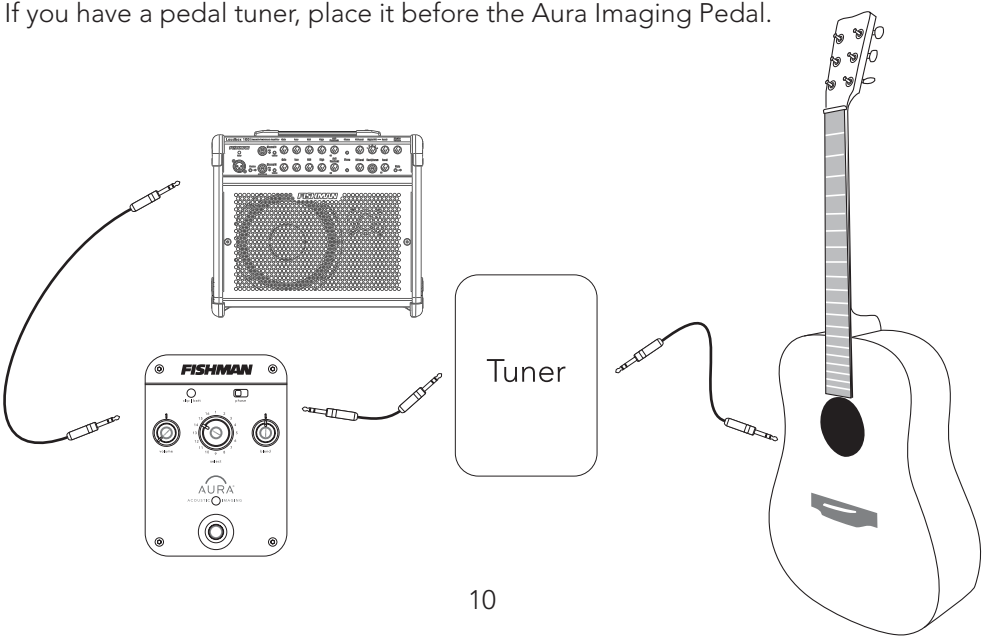
These are typically jumbo or dreadnought size instruments. The heavier bracing for 12 string guitars creates a unique sound and has its own Aura Imaging Pedal.

Using effects

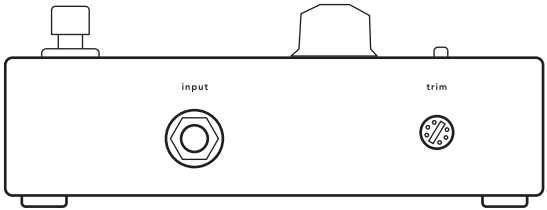
When using your Aura Imaging Pedal with other effects devices, place the Aura Imaging Pedal first in the chain after your guitar.



If you have a pedal tuner, place it before the Aura Imaging Pedal.



Right side panel



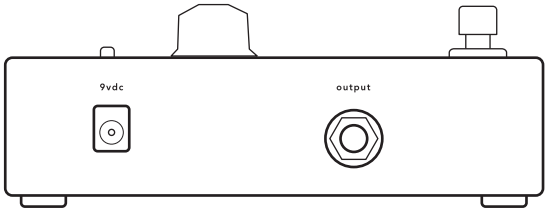
Input

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.

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.

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.

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

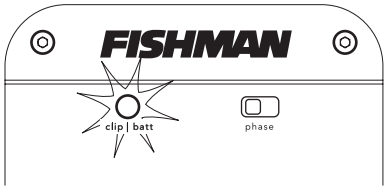
Step on the footswitch to bypass the Aura effect. When you stomp, you'll hear the dramatic difference between the Image blend and the dry pickup. When the light above the footswitch is on, the Image is active. Note when the effect is bypassed, your guitar signal remains buffered. Also, if the **blend** 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.

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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