

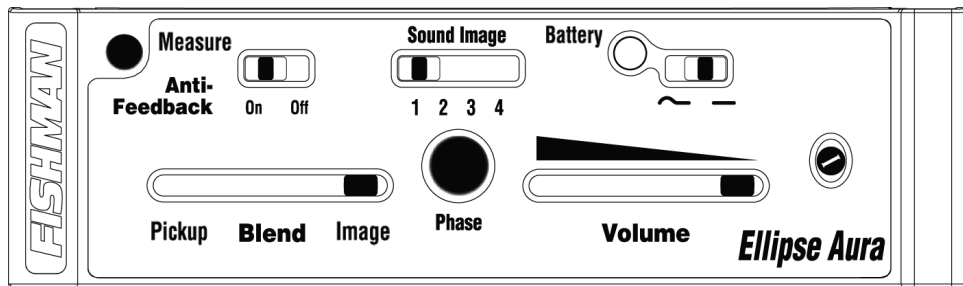
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USER GUIDE
ELLIPSE AURA™ (for factory installed systems)

Quick Start

Before you begin, set the controls as illustrated:



1. Plug In • Connect the Ellipse Aura to your amplifier or PA with a 1/4-inch instrument cable.
2. Select a Sound Image • Raise the Volume and use the Sound Image switch to browse through the four Images until you find one you prefer.
3. Blend in the pickup • Move the Blend slider to the left to mix in some pickup signal with the Sound Image.
4. Phase • Push the Phase switch in and out until you find the position that sounds most pleasing. If feedback occurs, change the position of the switch.
5. Anti-Feedback • Start with the Volume off. Move the Anti-Feedback switch to the On position (left). Push and hold the measure button for several seconds. Raise the volume until feedback begins. The filter will latch onto the feedback and eliminate it after a few seconds.

Power

Plug in the guitar, and the Ellipse Aura switches on. To conserve the battery, remove the instrument cable from the guitar when the system is not used.

When you plug in, the Battery LED flashes once to indicate power up. We observe this convention (in place of a steadily lit pilot lamp) to extend the useful battery life.

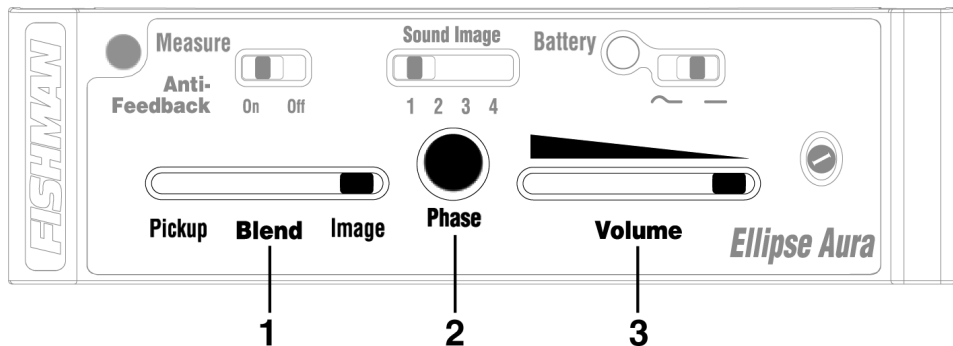
Battery Replacement

When the Battery LED lights steadily, it is time to change the battery. To replace the battery, remove the fabric bag inside the guitar. We recommend a lithium type for extended battery life. You can expect up to 80 hours from a lithium battery and 33 hours from an alkaline battery.

If you ship your guitar, we recommend you remove the battery. Although unlikely, it is possible for the battery to jar loose during shipment and damage your instrument.

Controls

The controls are arranged in two distinct levels. Once your fingers are familiar with the layout, you will be able to easily adjust the controls, even when you can't see them.



1. **Blend**

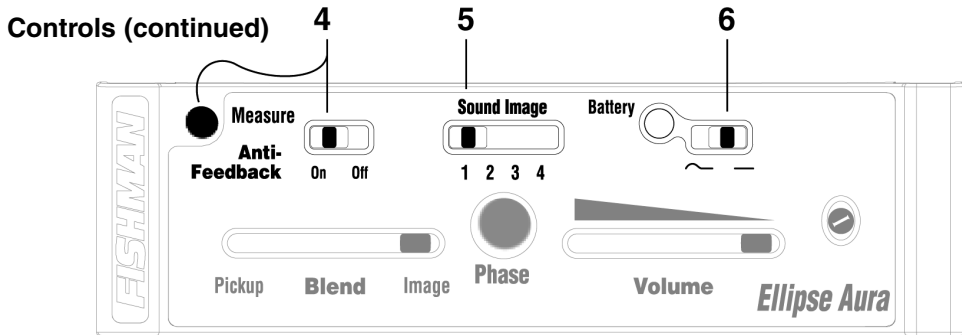
Use the Blend slider to adjust the balance between the pickup and the Sound Image. You'll attain a more microphone-like sound by favoring the Sound Image. Note that it is often practical to blend in a higher percentage of the pickup in live situations, especially when you desire more focused amplified tone.

2. **Phase**

Use the Phase switch to improve bass response at low volume and suppress feedback at high volume. Push the Phase switch in and out, and leave it in the position most pleasing to your ear. If feedback occurs, push the switch again.

3. **Volume**

For the cleanest noise-free sound, set the volume as high as possible without causing your amp or mixer to distort.



4. **Anti-Feedback**

The Ellipse Aura is equipped with an automatic search-and-destroy notch filter. To engage the feature, turn the Volume down and move the Anti-Feedback switch left (on position). Hold the measure button for a few seconds. The Battery LED will begin to flash. Turn up the volume, then either dampen the strings while tapping the body or play the troublesome note until feedback begins. The filter will latch onto the feedback, eliminate it after a few seconds and hold the setting in memory until you push the Measure button again. If you plan to record with the Ellipse Aura, we recommend you turn off the Anti-Feedback to fill out the natural low-end response of the guitar.

5. Sound Image Switch

Your Ellipse Aura is factory loaded with four Sound Images created especially for this instrument. Each Sound Image corresponds to a different microphone type and distance. Contact the guitar manufacturer to identify the microphone associated with each Sound Image.

6. Voicing Switch

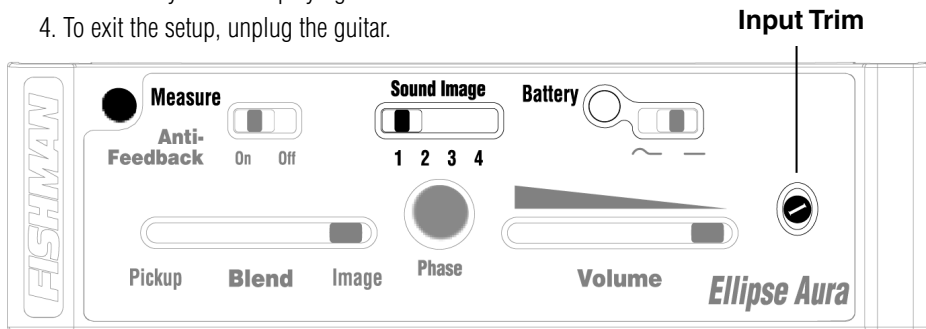
This switch selects how the pickup is voiced. Move the Voicing Switch to the left for bass boost and to the right for a flat response. Choose the setting that works for your instrument and your performance requirements. Here are some guidelines.

- The boosted bass voicing (switch to left) complements solo guitarists and singers who accompany themselves, especially with smaller instruments.
- The flat voicing (switch to right) cuts through the mix if you play in a band. It does a good job controlling boominess and low frequency feedback onstage, especially with full-size guitars.

Input Trim

Adjust this set-and-forget control so you can play strongly without distortion and play quietly without hiss. To set the Input Trim:

1. Move the Sound Image switch left to #1.
2. Hold down the Measure switch as you plug in the guitar.
3. Use a miniature jeweler's screwdriver to gently raise or lower the Input Trim so the LED flashes occasionally with hard playing.
4. To exit the setup, unplug the guitar.



Electrical Specifications

Power consumption:	15mA
Typical 9V lithium battery life:	80 hours
Typical 9V alkaline battery life:	33 hours
Maximum output level (onset of clipping):	+1dBV
Nominal output impedance:	1k Ohm
Input trim gain range:	-6dB to +6dB
Peak meter response:	3dB before clipping
Voicing switch, bass boost:	+3dB @ 90Hz
Dynamic range:	93dB
Baseline noise:	-92dBV
Anti-feedback cut depth:	13.5dB
Anti-feedback bandwidth:	0.25 octave
Phase switch, out position:	(+) non-inverting output

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The logo for Martin & Co. features a stylized, calligraphic 'M' and 'C' that frame the brand name 'Martin & Co.' in a similar script font. Below the brand name, the text 'EST. 1833' is written in a smaller, clean, sans-serif font.
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