

User's Guide

Ellipse Blend™

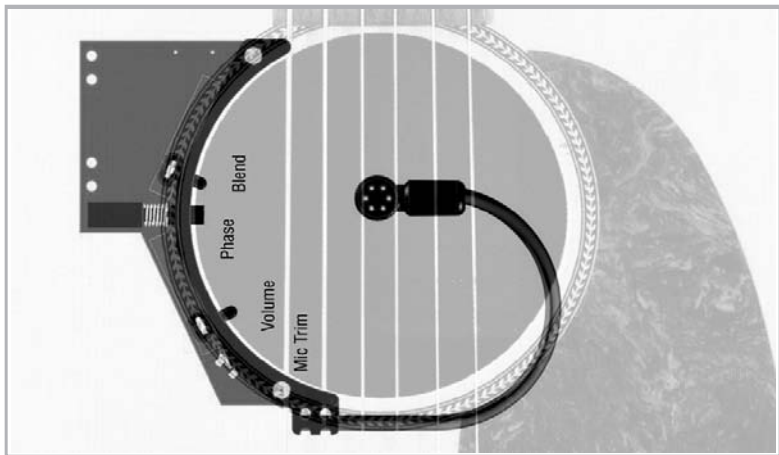


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Ellipse Blend



Description

The Ellipse Blend combines an onboard gooseneck microphone with integrated blending electronics to augment and enhance the Fishman active pickup system. A patented magnetic mount keeps the unit's controls easily accessible and out of sight.

Onboard controls with no holes!

The Ellipse Blend is an innovative onboard control system that is non-invasive and does not require a hole in the side of the guitar. With a profile that is practically invisible, the crescent-shaped Ellipse Blend mounts on the magnetic plate inside your guitar's soundhole. This convenient location allows you to make quick adjustments to volume, phase and pickup/microphone blend without missing a beat!

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FEATURES

Gooseneck Microphone

When used in conjunction with the unit's phase switch, the quality electret-condenser cardioid microphone provides a high level of sound reproduction before feedback begins to occur. The microphone's unique position prevents leakage from other instruments and offers complete freedom of movement compared to external stand-mounted mics.

Volume

Without causing your amp or mixer to distort, set the volume as high as possible for the clearest signal.

Phase Switch

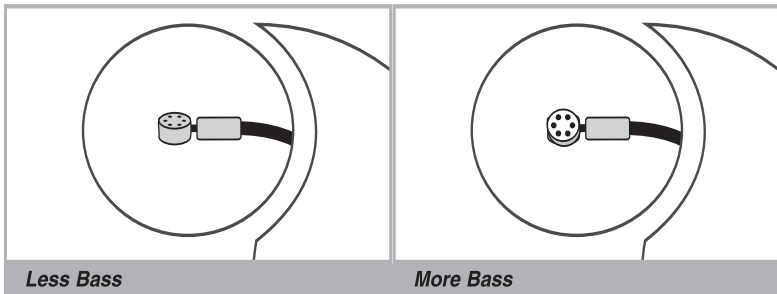
Adjust the phase switch in or out until you find the position that subdues feedback and sounds the best.

Blend

Move the Blend slider to adjust the balance between the pickup and microphone. Move the slider left to emphasize the microphone or to the right to emphasize the pickup.

Microphone Positioning

You can position the microphone to find the "sweet spot" inside the instrument, so experiment with the placement of the microphone until you find the position that yields the best sound from your instrument.



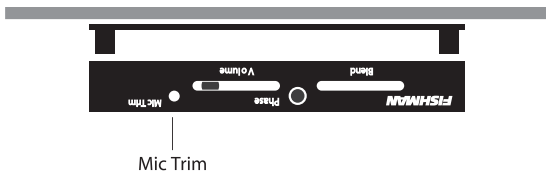
Ellipse Blend

Microphone Positioning - Continued

Plug in the guitar and adjust the blend slider to the left for mic only. Start with the mic capsule so that it faces the back of the guitar. Move the mic closer to the soundhole for more bass. Turn the capsule toward the side of the instrument for less bass.

Microphone Trim Control

A small circular potentiometer is recessed below the Volume Slider and can be accessed with a small slotted screwdriver. This is a “set it and forget it” control. Use it to calibrate the microphone's balance in relationship to the pickup. Set the Blend slider to the center position and adjust the Trim control until both the microphone and the pickup levels reach positions that give you the best balance.



ELECTRICAL SPECIFICATIONS:

Typical current consumption @ 9Vdc:	2 mA
Typical 9V alkaline battery life:	250 hrs.
Piezo channel input impedance (ohm):	100k
Output impedance (ohm):	1k
Recommended load impedance (ohm):	10k and up
Piezo channel signal gain (blend at piezo, volume at maximum):	+3 dB
Piezo channel noise (A-weighted, 22-22kHz, blend at piezo):	-106 dBV
Microphone channel signal gain range (volume at maximum, blend at mic)	0dB to +10dB
Microphone channel low frequency roll off	-3dB at 340Hz
Microphone channel noise (A-weighted, 22-22kHz, blend at mic)	-103 dBV

All specifications subject to change without notice.

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