

FISHMAN[®]

USER GUIDE
RARE EARTH MIC BLEND

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Welcome

Thank you for choosing Fishman. We are proud to offer you professional-grade amplification products and accessories that will empower you to sound your very best.

Please read through this User Guide to familiarize yourself with the operation of your Rare Earth Mic Blend. Additional information and support can be found at www.fishman.com

Quick Install

To temporarily install the pickup, loosen the clamps with a Phillips screwdriver. Position the pickup in the soundhole, parallel to and as close to the end of the fingerboard as possible. Gently re-tighten the clamps. For now, run the cable out through the soundhole.

Precaution: To prevent possible damage to the guitar finish, avoid leaving the cable in contact with your instrument for prolonged periods of time.

If you travel with your guitar or store it for long periods with the pickup in place, we strongly recommend that you have the endpin jack permanently installed in the guitar. Installation instructions for professional installers are available from Fishman Support at www.fishman.com/support.

Mounting Clamps

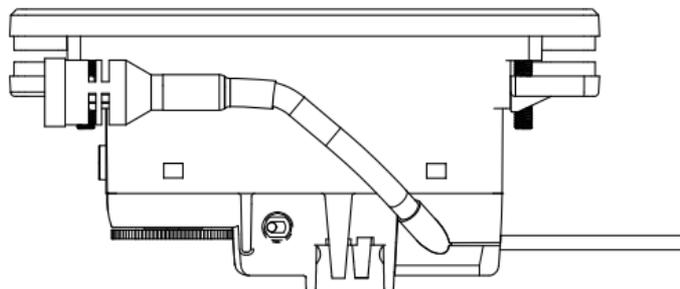
The jaws of the clamps are lined with natural cork, which will not interact with the guitar's finish. Use gentle pressure to tighten the clamps. Note that over-tightening may damage the guitar finish.

Power

The Rare Earth switches on when you plug in. To conserve the batteries, unplug the endpin jack when not in use. The batteries for the Rare Earth are conveniently mounted to the underside of the pickup. You can expect 100 hours for Rare Earth Mic Blend model between battery changes. If you hear the signal from the pickup starting to distort it is time to change the batteries.

Battery Replacement

Remove the pickup from the instrument and carefully pry out the batteries with a small flat-head jeweler's screwdriver. When you replace the batteries, observe the correct polarity. Note that plus (+) and minus (-) polarity marks are molded into the shell of the battery clip. See page 6 for battery requirements.



Battery ↑

Battery Requirements

Two 1.5 Volt silver oxide:

Eveready #357

ANSI-WS15

1EC-SR44

The battery holder will also accept a single 3-Volt lithium battery:

Duracell DL1/3N

Eveready 2L76

Varta CR 1/3N 6132

Union Carbide 2L76

Sanyo CR 1/3N

Others: K58L

Pickup Voicing

The Rare Earth Mic Blend has been carefully voiced to reproduce a balanced string response. If your guitar has very high action on the bass side or very low action on the treble side, you may hear slight imbalance between the outside strings. In these cases, raise the bass side of the pickup with a shim. The Rare Earth is voiced specifically for bronze or phosphor bronze strings. If nickel electric guitar strings are used with the Rare Earth, the lower wound strings will overpower the higher plain strings.

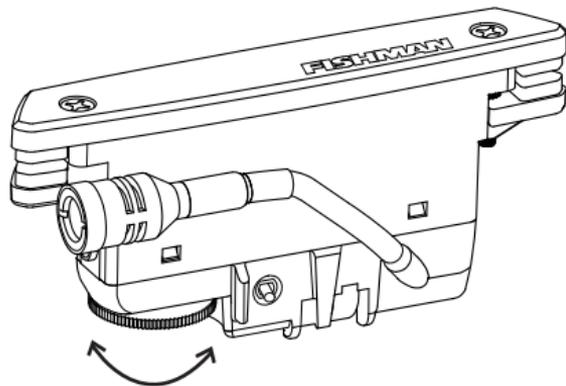
Preamp

All Rare Earth models feature a miniature preamp, housed within the body of the pickup. A low-noise circuit design preserves the pickup's performance in any audio environment. Plug the Rare Earth into an acoustic instrument amplifier, an unbalanced input of a mixer or a direct box, without signal loss or degradation. You may run cables up to 80' (25m) in length without audible signal loss.

Blend Function - Microphone

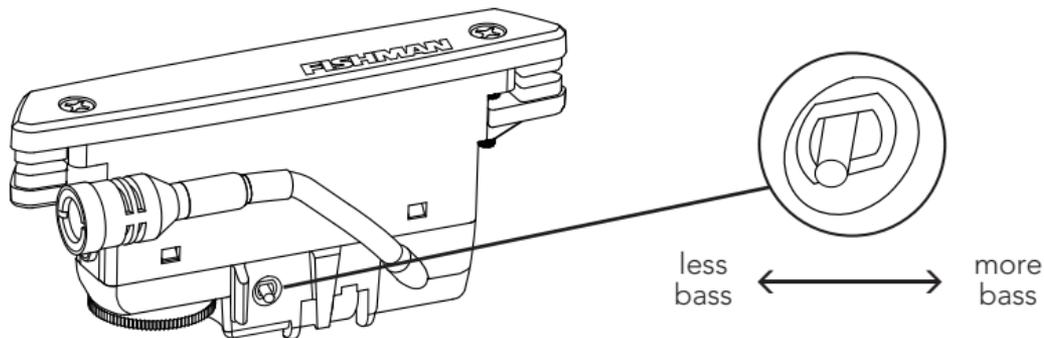
The Rare Earth Mic Blend microphone model combines the humbucking magnetic sound-hole pickup with a condenser microphone to provide a wide range of natural sounds, adaptable to various playing situations. The magnetic pickup's strength is its articulation, high gain-before-feedback, and isolation from other nearby sound sources. The microphone adds body and air to the sound to provide a rounder, more ambient tone.

Rotate counter clockwise for full pickup
Middle: 50/50 blend
Rotate clockwise for full mic



Microphone Bass Switch

The Mic bass switch controls the low frequency extension of the microphone. When switched to the position pointing toward the treble strings, this control will provide the fullest bass for mic only applications or blended tones where more mic bass is preferred. The alternate switch position (toward the bass strings) rolls off bass from the microphone to reduce the risk of low frequency feedback and facilitate playing at higher volumes. In this scenario, the magnetic pickup becomes the primary source of bass.



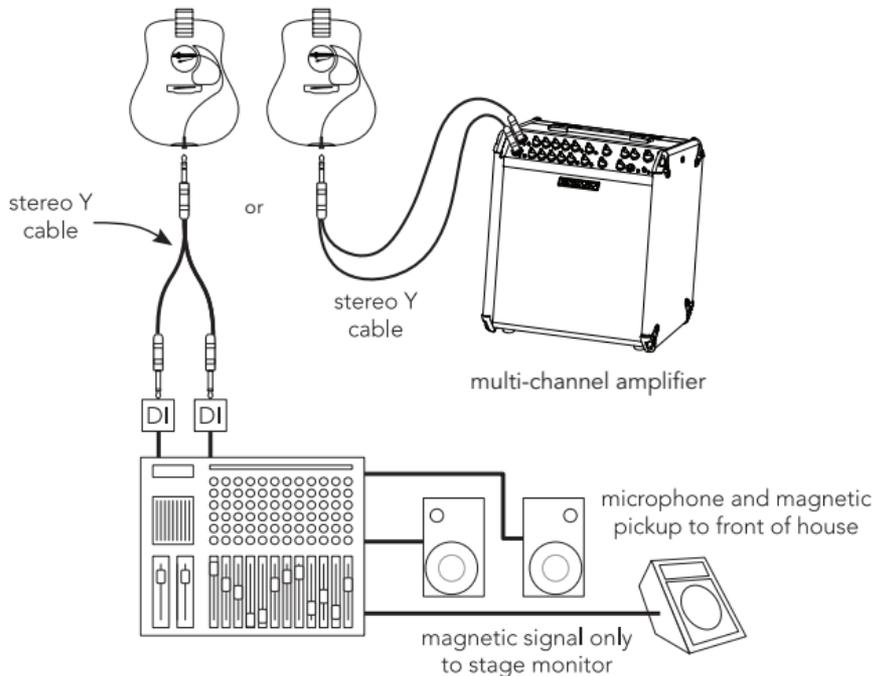
Stereo/Mono Output Options

Suggested Stereo Output Options:

The Rare Earth Mic Blend can be used in mono or stereo output simply by choosing the appropriate cable. For a blended mono output use a standard 1/4" to 1/4" instrument cable. For stereo operation, use a TRS to TRS or a TRS to stereo "Y" cable. This will result in the magnetic pickup output on the tip (T) and the microphone output on the ring (R)

NOTE: In Stereo, the thumb-wheel will not affect the level of the microphone at the ring output, but it will continue to mix mic and pickup at the tip output.

Turn the thumb-wheel fully counter clockwise to send only the pickup signal to the tip.



Microphone Placement

Try experimenting with microphone placement until you find a position you like.

Here are some suggestions to get you started:

To begin, move the blend control toward the treble strings (full mic).

A suggested starting position would be with the microphone capsule parallel to the soundboard. Move the mic into varying positions until you find your desired tonality. A small adjustment can give you dramatically different sounds. Once you find a sound you like, blend in the pickup to taste.

Precaution: To avoid damage to gooseneck and microphone connection, please adjust position carefully.

LIFETIME LIMITED WARRANTY

Fishman Transducers Inc. products ("Product") are warranted to the original consumer purchaser to be free of defects in materials and workmanship under normal use and service. Parts and labor are warranted for a period of one (1) year from the date of purchase. If the Product fails to function properly due to defects in materials or workmanship during the first year warranty period, Fishman Transducers Inc. ("Fishman"), at its option, will repair or replace the Product, with no charge for labor or materials. If the Product fails to function properly due to defects in materials or workmanship after one (1) year from the date of purchase, Fishman will repair the Product with no charge for materials, however repairs will be subject to applicable labor and freight charges determined by Fishman at their sole discretion. Fishman may also choose to replace this product or part of this product with a substitute, in lieu of repair, in exchange for quoted labor charges. This warranty applies only if the Product is sold and delivered within the U.S. by an authorized Fishman Dealer. For customers outside the U.S., Fishman products are warranted only by the terms of Fishman's authorized regional distributor. Please contact the dealer where you purchased your product for more information.

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TERMS OF WARRANTY SERVICE

Warranty service and repairs are to be made only at the Fishman factory. Unauthorized repairs will void this warranty. The customer must contact Fishman Service & Support and obtain a Return Merchandise Authorization number (RMA) before delivering the product to Fishman, freight prepaid. Product repaired during the first year warranty period at the Fishman factory will be returned to the customer via UPS ground freight, prepaid by Fishman to any location within the continental United States. Product repaired after the first year warranty period at the Fishman factory will be returned at customer expense. Product returned to Fishman that is not covered by the terms of this warranty will be serviced only after payment is arranged.

EU DECLARATION OF CONFORMITY CE

Hereby, Fishman declares that this Rare Earth Mic Blend (494-000-521) is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU, 2014/35/EU. The Declaration of Conformity can be found at www.fishman.com/support.

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