Mi-Si Crystal • Owner's Manual

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OVERVIEW

The Mi-Si Crystal System is designed to retrofit existing passive pickup systems to make them active. It features a battery-free preamp designed specifically to work with undersaddle guitar pickups using passive ceramic piezo elements.

The preamp for this system uses Mi-Si's custom piezo linearization scheme - allowing for the most truthful and accurate sound from the pickup.

All you have to do is power up for 60 seconds using the Mi-Si Power Charger, providing you with up to 16 hours of performance time.

CAUTION

We recommend professional installation of this system. Installation instructions should be studied carefully before proceeding. Mi-Si Electronics Design, Inc. will not be responsible for any damage to the instrument or personal injury resulting from installation, improper installation or any misuse of the product.

USE ONLY THE POWER CHARGER PROVIDED IN THIS PACKAGE TO POWER UP THIS PRODUCT! UTILIZATION OF ANY OTHER POWER SUPPLY OR MODIFICATION TO EXISTING ONE MAY CAUSE PERMANENT DAMAGE TO THE SYSTEM AND WILL NOT BE COVERED BY WARRANTY!

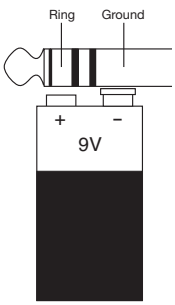
CHARGING AND PLUGGING IN

To charge the Crystal pickup, plug the Power Charger into a 120/220 V AC outlet. Then plug in the Power Charger 1/4" stereo plug into the pickup's endpin jack and wait 60 seconds. Now you're pickup is ready for 16 hours of performance time (actual playing time may vary depending on playing style). For best performance increase the charging time up to 120 seconds for the initial 2-3 charging cycles.

You can plug your instrument into ANY input of ANY system or amplifier regardless of input impedance. In the same manner, you can use ANY type of shielded MONO cable - regardless of its capacitance. Your sound will not be altered. You can enjoy the benefits of an active amplified system without worrying about batteries.

USEFUL TIP

Using the Power Charger to power up your preamp is truly remarkable. But what if you forgot or lost your Power Charger? Don't worry! Although we don't promote the use of batteries, in this case all you need to power up your system is any stereo cord and a common 9V battery.



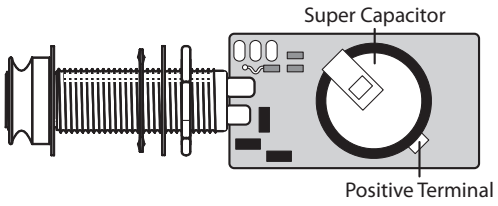
Plug the stereo cord into your instrument. Hold the 9V battery so that the positive terminal is touching the Ring of the stereo plug and the negative terminal is touching the Ground. Hold it like this for 60 seconds and you are ready to play for 16 hours. The system will not be damaged by accidentally connecting the battery in wrong direction.

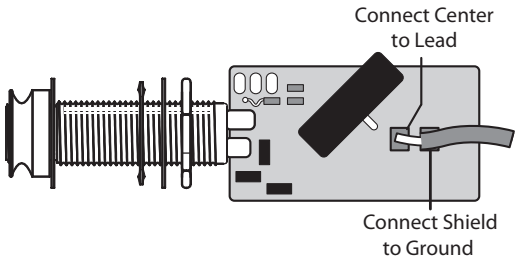
CONNECTING THE PICKUP

1) Carefully desolder the positive terminal of the super capacitor from the circuit board. Then gently lift the desoldered positive terminal away from the circuit board to reveal the solder pads for the pickup wire.

2) Solder the pickup wire to the solder pads as shown.

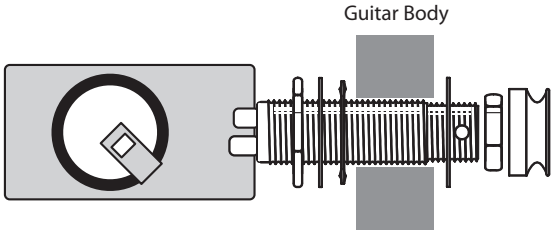
3) Place the super capacitor back to its original position and solder the positive terminal to the circuit board.





ENDPIN JACK INSTALLATION

The endpin jack can be permanently mounted as shown.



LIMITED WARRANTY

The warranty period is one (1) year from the date of purchase. During this time, Mi-Si Electronics Design, Inc. will replace a faulty unit at their discretion. This warranty does not cover any consequential damages or damage to the unit due to misuse, accident or neglect. Mi-Si Electronics Design, Inc. retains the right to make such determination based on results of inspection performed at the factory. Products returned to Mi-Si Electronics Design, Inc. for repair or replacement must be shipped in accordance to Return Policy, as follows.

RETURN POLICY

Mi-Si Electronics Design, Inc. will accept returns for products purchased within 30 days from receiving the goods.

To return products to Mi-Si Electronics Design, Inc. you must do the following:

1. Email Mi-Si at sales@mi-si.com describing the reason for the return.

2. Enclose a copy of the original Bill of Sale with the product in its original undamaged packaging. The package must be returned in damage resistant packaging stuffed with appropriate amounts of cushion.

3. Warranty repairs or replacements will be sent automatically free of charge.

4. The customer will not be refunded shipping or insurance costs. Additionally, return shipping charges, including insurance, are the responsibility of the customer unless the return or replacement is the fault of Mi-Si Electronics Design, Inc.

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www.mi-si.com