



# M80<sup>TM</sup>

User's Guide

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## **PACKAGE CONTENTS**

One M80 pickup with battery installed  
One pre-wired strapjack assembly  
One 3/32" Allen wrench  
Two spare 3/4" pole pieces  
One spare 3/8" pole piece  
Two self-stick wire clips  
One manual  
One warranty card

## **OVERVIEW AND CAUTIONS**

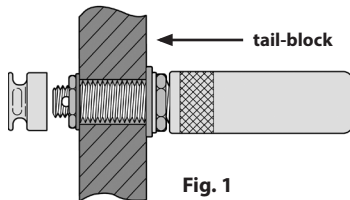
The M80 will fit guitars with soundholes larger than 3.55". Make sure that the M80 will fit the guitar properly before installing the strapjack.

Any woodworking (for instance, drilling the strapjack hole) must be performed by a professional dealer, installer. We do not provide advice or support for home or hobbyist woodworking. Installers: Please read the instructions carefully before proceeding. We will not be responsible for any damage to the guitar or personal injury resulting from installation.

## STRAPJACK INSTALLATION

Drill a clean 1/2" hole in the tail-block for the strapjack. Remove dust & debris from inside the guitar. Remove the strap ring, retaining nut and one washer from the end of the jack. Bring the jack through the pre-drilled hole in the tail-block. Using the internal nut, set the proper depth that will allow the entire smaller threaded section to protrude from the instrument (**see figure 1**).

With the jack in place, lay the remaining washer over the threads and attach the external retaining nut until it's tight. Finish by attaching the strap ring. Asserting too much pressure may crack the finish.



**Fig. 1**

## PICKUP INSTALLATION

Connect the strapjack to the pickup with the 1/8" plug. Loosen the clamp screws on either end of the M80 until the clamps are open enough to accommodate the soundboard thickness. Slide the pickup into the guitar's soundhole up towards the neck and tighten the screws. Secure the wire with the clips provided. Carefully tighten the screws until the M80 is snug. If you are concerned about the possibility of the M80 damaging your guitar's finish, consider applying thin cork pads (not included) between the clamps and guitar. The clamps have been left unpadding to improve coupling between the pickup and guitar body. Because the M80 picks up body vibrations, padding could have some affect on the pickup's responsiveness.



**Fig. 2**

## ACTIVE OR PASSIVE OPERATION

The M80 offers you the option of either “active” or “passive” settings, essentially giving you two pickups in one (**see figure 2**).

**Active setting** - In this setting, the M80 engages a high quality, all-discrete preamp that is specifically tuned to optimize the M80’s performance. With optimal noise cancellation and a higher output level, the active M80 can plug directly into a P.A. or acoustic amplifier without an external preamp. If your battery dies during a performance, you can continue using the M80 by switching to the “passive” setting and making the proper external adjustments.

**Passive setting** - In this setting, the M80 bypasses the preamp for a battery-free performance. This setting also allows you to use the pickup with an external soundhole cable (sold separately) to avoid permanently modifying high-end or vintage guitars and also makes transferring the M80 from one guitar to another quick and easy.

## BATTERY CHECK & REPLACEMENT

Press this button to check battery life (**see figure 3**). A full battery will light up all 4 lights and should give you approximately 300 hours of playing time. When



**Fig. 3**

only two lights are lit, you have about 50 hours of normal playing time left. If only one light is lit, replace the battery (**see figure 4**). Make sure the “+” sign is facing outwards. Be sure to unplug your instrument cable from the guitar when not in use to maximize battery life. The battery check will work even when there is no cable plugged in.

Press down on this tab to remove the battery  
Battery type: CR2032 3V lithium coin cell

**Fig. 4**



## **VOLUME CONTROL**

The volume control works in the “active” setting only.

## **POLE PIECE ADJUSTMENTS**

The pole pieces on the M80 are factory set for bronze acoustic strings, but this is just a starting place. They are adjustable with the 3/32” Allen wrench to obtain the optimum balance and tone. Raising the pole pieces will increase the output of the strings; lowering them will decrease the output. We have provided two additional 3/4” pole pieces for use in the B and little E string positions with nickel or electric guitar strings, and one spare 3/8” pole piece for acoustic strings that have an unwound “G”.

Register your M80 at  
**[lrbaggs.com/product-registration](http://lrbaggs.com/product-registration)**

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