



## L.R. Baggs M1 Active

### INSTALLATION MANUAL FOR FURCH GUITARS

#### PACKAGE CONTENTS

- One M1 Active pickup with battery installed
- One pre-wired strapjack assembly
- One spare battery
- 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 L.R. Baggs warranty card

#### OVERVIEW AND CAUTIONS

The M1 Active magnetic pickup, with its built-in all Class A discrete preamp, features outstanding body sensitivity with great warmth and presence. Its dual-coil design employs LR Baggs' exclusive patented Tri-Axial Dynamic Technology to produce clear, rich tones that are resistant to feedback, noise and hum, with string and body sound all in one. A volume control is conveniently located for fingertip control. The M1 Active also features individually adjustable pole pieces with smooth, threadless tops.

The M1 Active will fit all Furch six-string guitar models Violet, Blue, Green, Yellow, Red, Vintage Pure, Vintage 1, 2 and 3, alternatively all six string guitars with sound holes larger than 3.55" that are centered beneath the strings. Ensure that this product will fit the guitar properly before installing the strapjack.

In cas of installation into above mentioned Furch instruments, the installation procedure is very simple and does not require any drilling or cutting. However, please read the instructions carefully before proceeding. We will not be responsible for any damage to the guitar or personal injury resulting from installation, improper installation, use or misuse of the product.

#### INSTALLATION - part 1

- **Strapjack installation:** All Furch guitars have predrilled strap hole of a recommended diameter so there is no need for drilling.

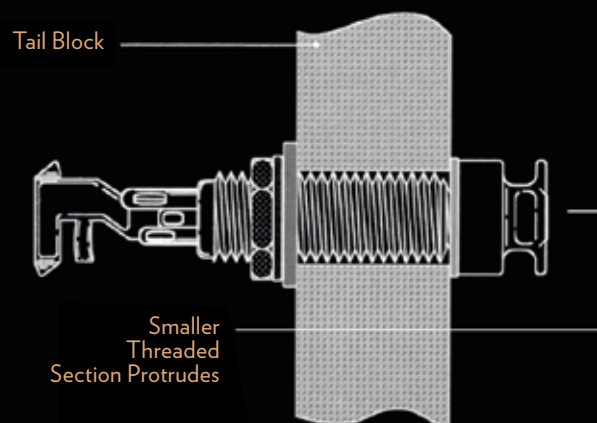
If your Furch guitars does not have any pickup system installed, you need to remove the strap pin by loosening the center screw by a crosshead screwdriver. Loose the screw a bit till you are able to grab the screw head by your fingertips. Keep unscrewing while pulling the screw at the same time. That way the nut inside stays engaged. If the nut is not engaged, the nut inside will keep spinning and you will not be able to completely dismantle the endpin system. When the screw, strap pin and internal nut is completely loosen, put screw and strap pin aside and push the cilindric insert into a guitar body. Then collect the cilindric insert and the internal nut through the guitar's soundhole. We recommend storing all parts of the strap pin system for possible future reinstallation.

**Important note:** If your Furch guitar already has some pickup system installed, we recommed that current pickup removal is performed by a skilled luthier. You may contact Furch Guitars customer support for further information.

Take the jack in your hand and remove the strap ring, retaining nut and one washer from the end of the jack. There would still be one star locking washer, one flat washer and a nut remaining on the jack. Bring the jack down through the sound hole into the body and insert it into the predrilled hole in the tail block.

Using the internal nut (be sure to include the flat and star washers), set the proper depth that will allow the entire smaller threaded section to protrude from the instrument (see figure).

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 (it should cover the retaining nut and washer). Note that asserting too much pressure may crack the finish.



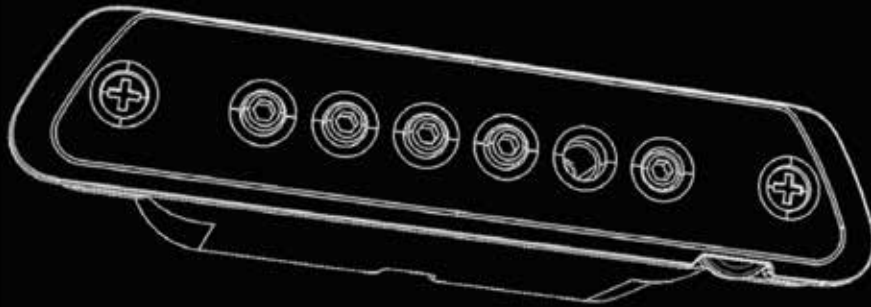


## INSTALLATION - part 2

- **Pickup installation:** Be sure there's a battery inserted into the battery holder. Then plug the strapjack harness into the pickup. Now loosen the clamp screws on either end of the pickup's top plate until the clamps are open enough to accommodate the guitar's top thickness. Then slide the pickup into the sound hole and tighten the screws. Be sure to secure the wire with the two self-stick wire clips provided so that it does not hit the inside of the guitar during stage movement. Tighten the screws snugly, but don't overdo it - this can damage the pickup or guitar finish. Tight just enough to hold the pickup in position while you are using the guitar.

## USER'S GUIDE

- **Plugging in:** The M1 Active will plug into practically anything with good results. If you want EQ or use a direct box, our Para DI and Venue DI provide both EQ and DI features. Plugging in turns the circuit on and unplugging turns the circuit off. If you want your battery to last a good long time, remember to unplug when you're done.



- **Volume control:** Yes.
- **Replacing the battery:** The battery life of the M1 Active is a very long 1000 hours, or about 250 gigs. If you're plugged in 20 hours a week, you'll need to replace your battery once a year. If your battery is going dead you will start to hear some distortion. From the time you hear audible distortion until it's too late, you have several gigs to replace the battery. Press on the center tab over the battery to dislodge the battery. You may need to use a pencil or other tool to press the tab. Lift the battery out from the slots in the side of the pickup, then slide and snap a new one in. Observe polarity. You should be able to read the CR2032 and the "+" designator when the battery is properly installed.

These batteries are available at all large drugstores, and sometimes at supermarkets.

- **Experimenting with pole piece heights:** The pole pieces on the M1 Active are preset (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. The height of the pole pieces relative to the strings will have a profound effect on the sound and balance of the pickup. Raising the pole pieces will increase the output of the strings; lowering them will decrease the output. For the most powerful and articulate sound, we recommend setting the pole pieces closer to the strings. However, if they are too close, they will interfere with the strings' movement and produce a percussive clacking noise. Lowering the pole pieces will deemphasize the strings and emphasize the body sound.

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 use with acoustic sets that have an unwound "G" string.

When adjusting the pole pieces downward you will meet additional resistance when you reach the bottom of the adjustment range. Do not force the pole pieces any further! This could damage the pickup permanently.

## SPECIFICATIONS

- Battery type: CR2032
- Battery life: 1000+ hours
- Current consumption: 135 uA
- Preamp signal to noise: -78dB unweighted Output level: -10dB
- Output impedance: 800 ohms