

## Adding a Straight Key lever to a FUNKeyer

### Funkeyer Mod Parts:

- 1 - Lever arm
- 2 - screws
- 2 - thick washers
- or
- 3 - thin washers
- 2 - nylon nuts



### Find a suitable board:

This is a little beveled pine board from Michael's that cost 99 cents

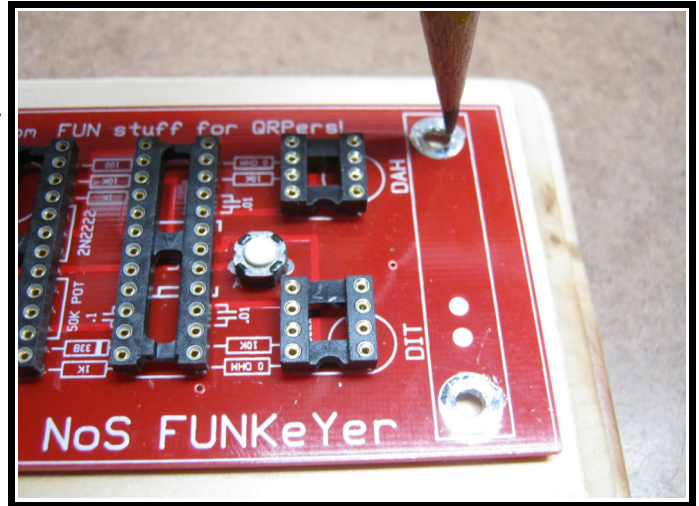


### Prepping the board:

Position the FUNKeyer printed circuit board all the way to the right



**Mark the 2 lever holes:**  
Mark the 2 holes with a nice sharp pencil outlining the entire hole



**Marked!**



**Drill 2 1/16" pilot holes:**  
For the 2 #4 screws that hold down both the lever AND the FUNKeyer printed circuit board.



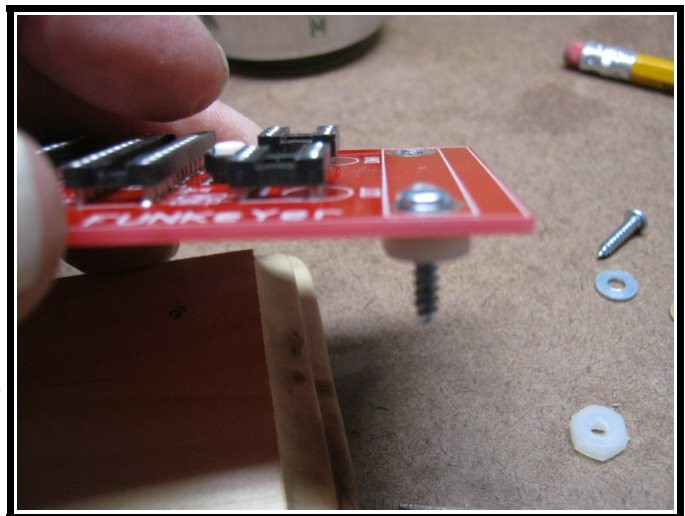
## Drilled!

Make sure your pilot holes are centered in your marked locations. You only need your holes 1/4" deep. Don't drill all the way through the board.



## Install contact hardware:

Install one of the screws through the front contact hole and 'screw' on one of the nylon nuts by hand. The hardware should then stay in place



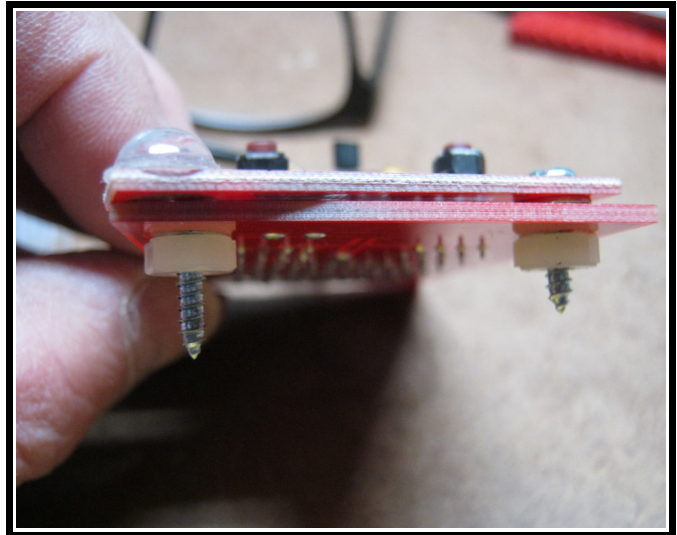
## Prep the lever hardware:

A machine screw through the base hole in the lever, then either 2 thick washers or 3 thin washers



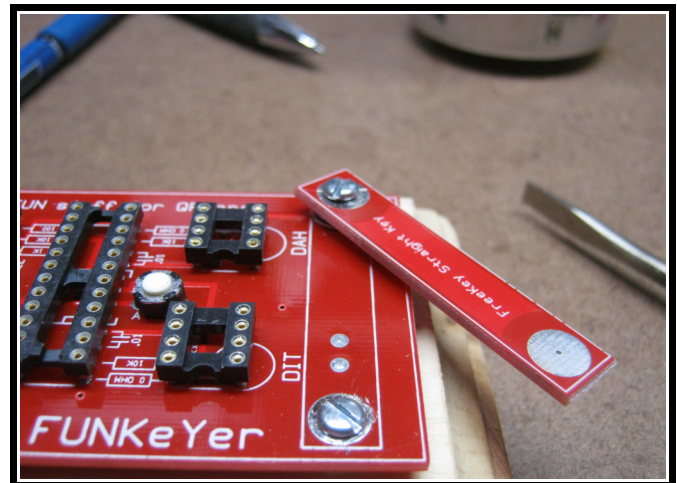
### **Attach the keyer:**

The keyer lever screw goes into the rear 'base' hole and then another nylon nut is added holding everything in place



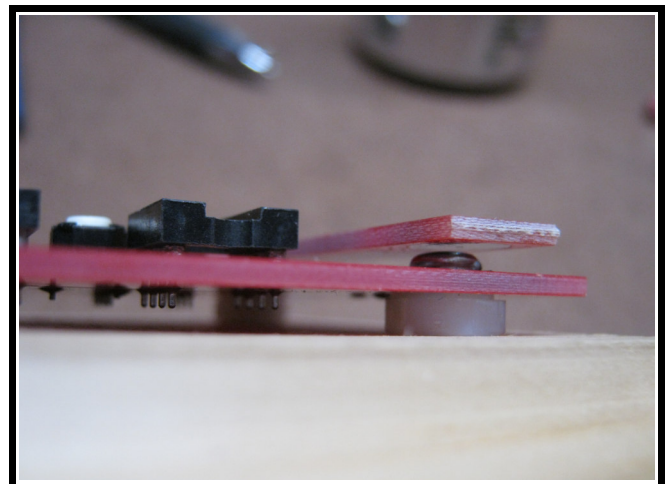
### **Attach the keyer to the base board:**

Carefully screw the 2 keyer screws into the pilot holes in the base board. Make sure you keep the screws vertical as you screw them into the pilot holes



### **Check the key gap:**

If the screws are nice and straight into the pilot holes, the keying gap should be just right!



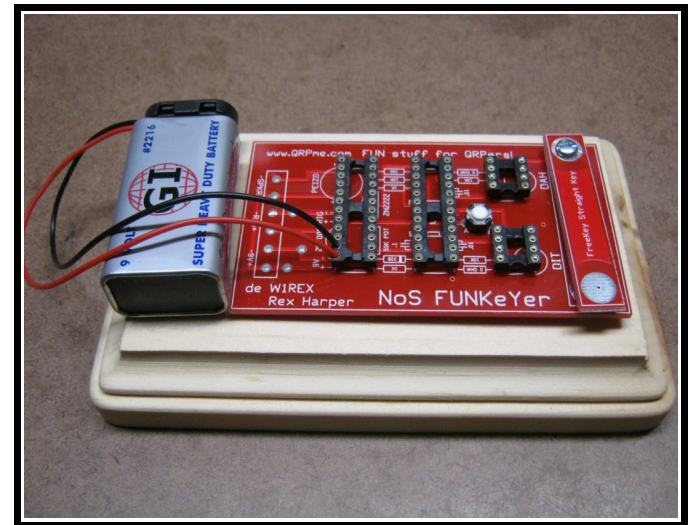
## Hold that Battery!

Use some double stick tape of stick on velcro to attach the batter to the board



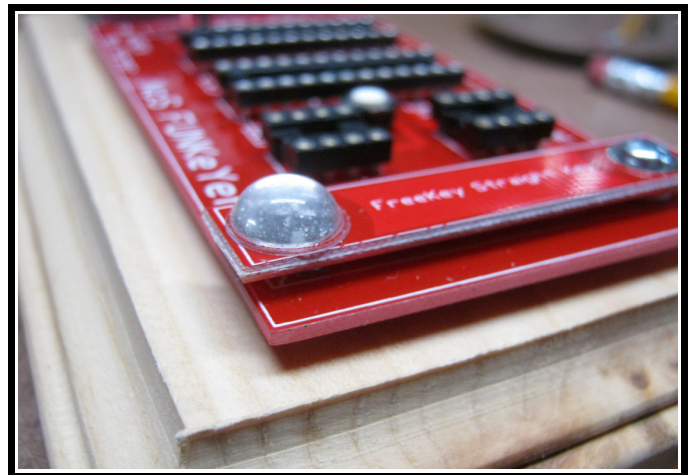
## Attaching the battery:

Stick the battery down on the left side of the printed circuit board



## Add the keying 'knob':

The little stick on foot makes a dandy insulated keying knob....and you are ready to go!



Remember to put your

**FUNKeyer** into mode 4 to

turn it into a fully operational straight key with side tone.

**Have FUN! Rex W1REX**