

Recalibration of Transmitter Joystick

Physical Reset Calibration

Step 1: Unscrew antenna by hand and place nearby.

Step 2: Unscrew 3/8" hex nut just enough to loosen lock washer below it.

Step 3: Remove (2X) hex screws using a 2.5mm Allen wrench to expose the battery below (Figure 1). Unplug battery by gently pulling on the plug indicated in Figure 2.

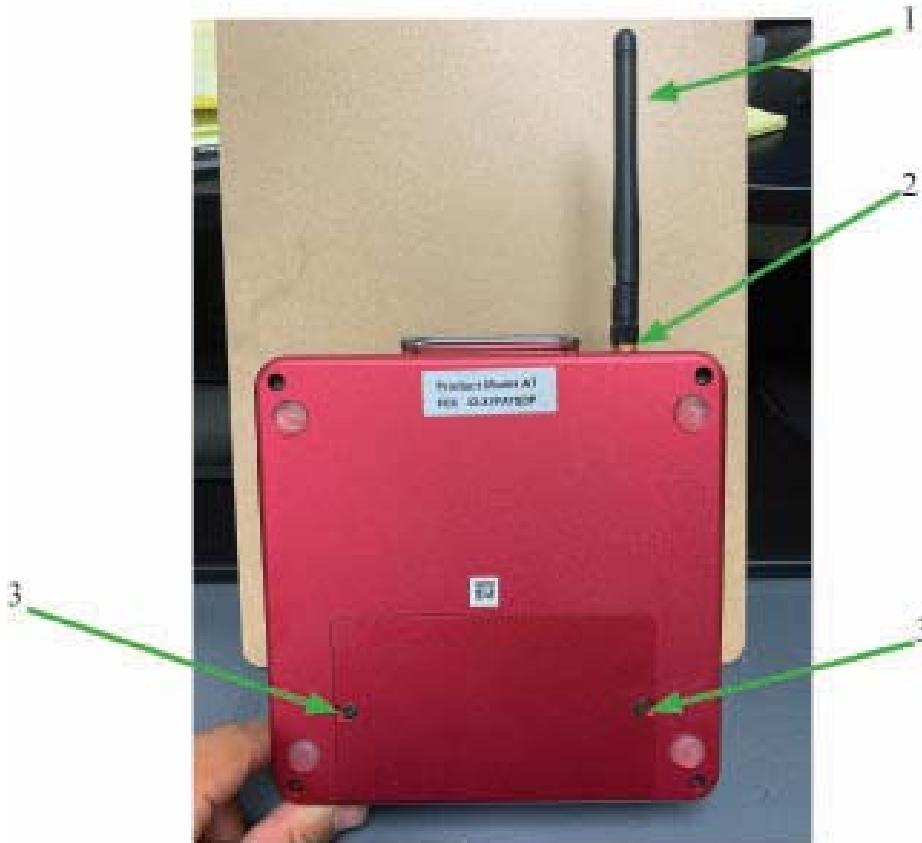


Figure 1



Figure 2

Step 4: Remove (4X) hex screws using a 2.5mm Allen wrench shown in Figure 3 and remove the entire back cover.

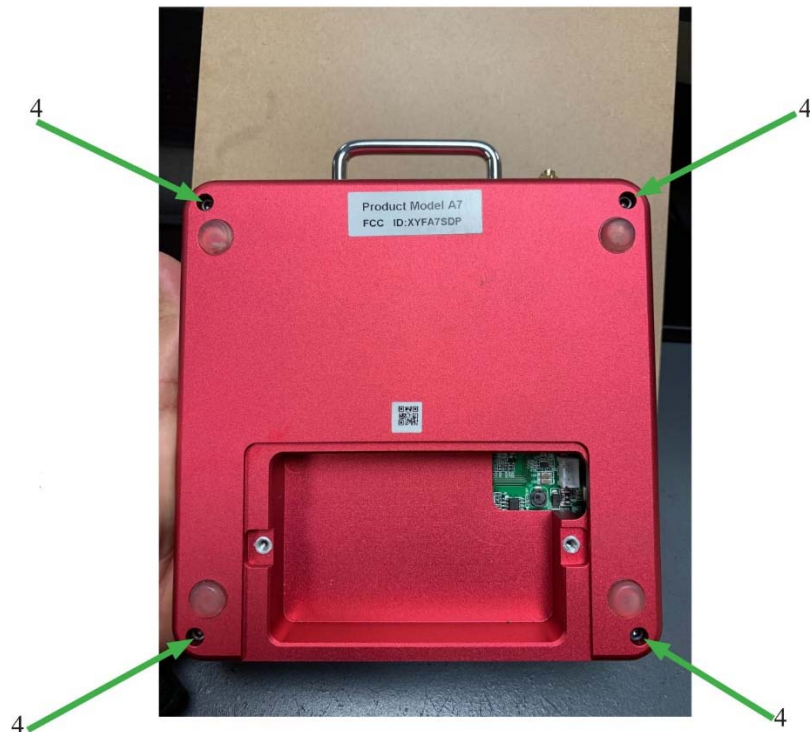


Figure 3

Step 5: Unplug the Joystick from the main PC Board indicated by the two green arrows in Figure 4. Firmly plug it back in after a few seconds.

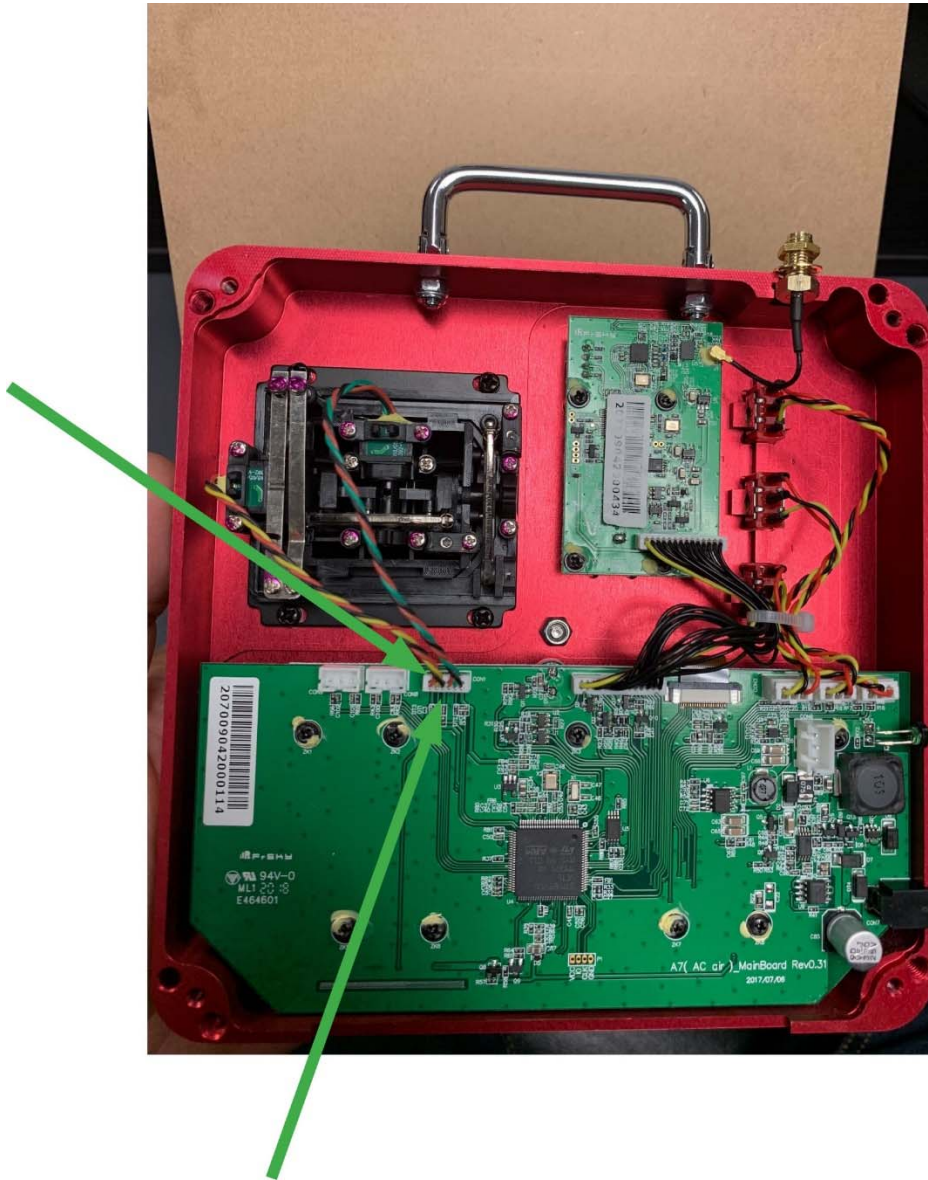


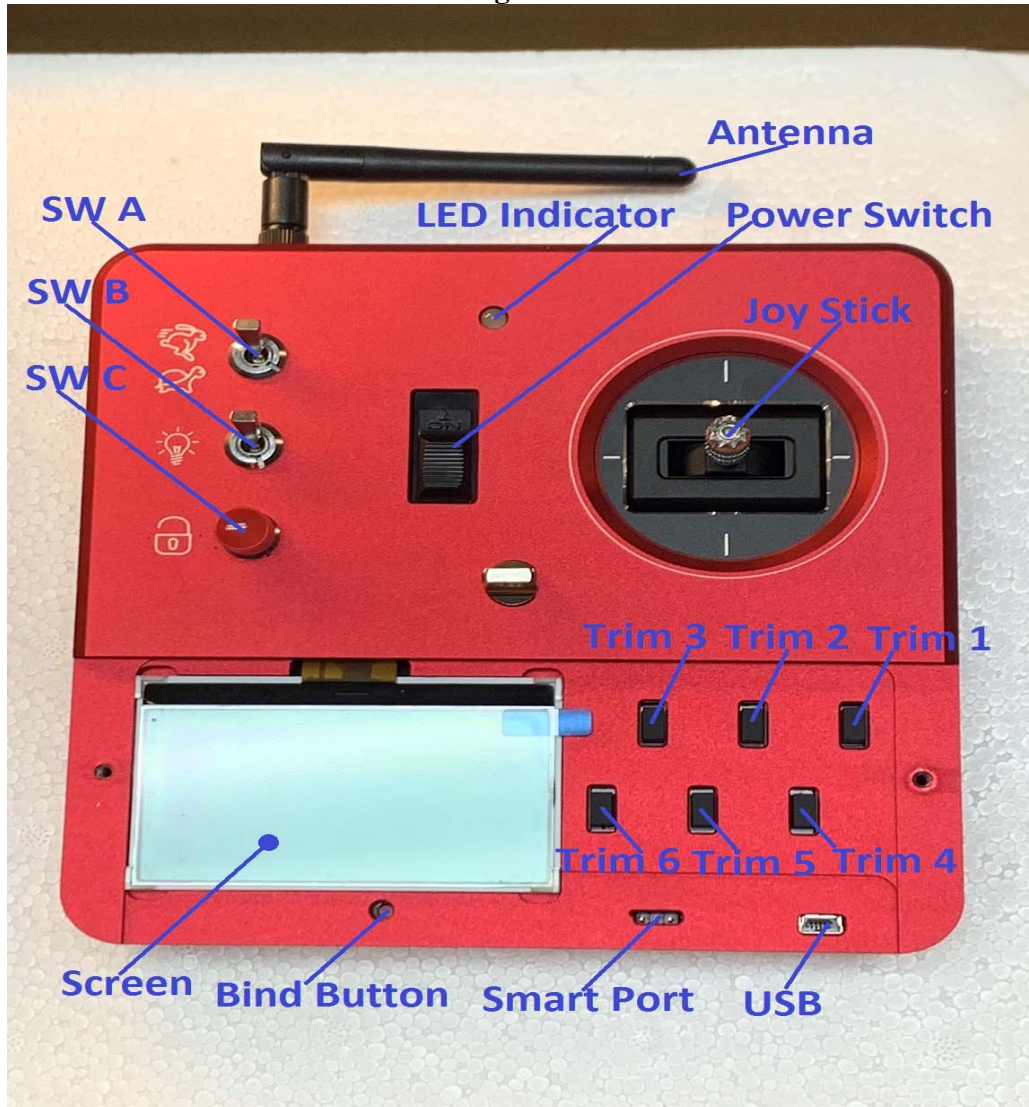
Figure 4

Step 6: Reverse steps 1-5 and then move onto the instructions for the electronic calibration outlined in the following pages.

Electronic Calibration

1. Remove the front cover of the radio and locate the Trim buttons. (See Figure 1)

Figure 1



2. With the power switch in the Off position, push Trim toggle switches 1 and 3 up simultaneously. While holding the toggle switches in the up position slide the power switch on. When done correctly the screen should illuminate (Figure 2).

Figure 2



*Note if done incorrectly (see Figure 3) Trim toggle switches 1 and 3 will have to be adjusted down so the cursors will once again be centered (see Figure 4). Once they are centered repeat step 2 until screen has illuminated (see Figure 2). Trim toggle switches 2 and 5 have been preset by Ac Air Technology and may or may not be centered.

Figure 3

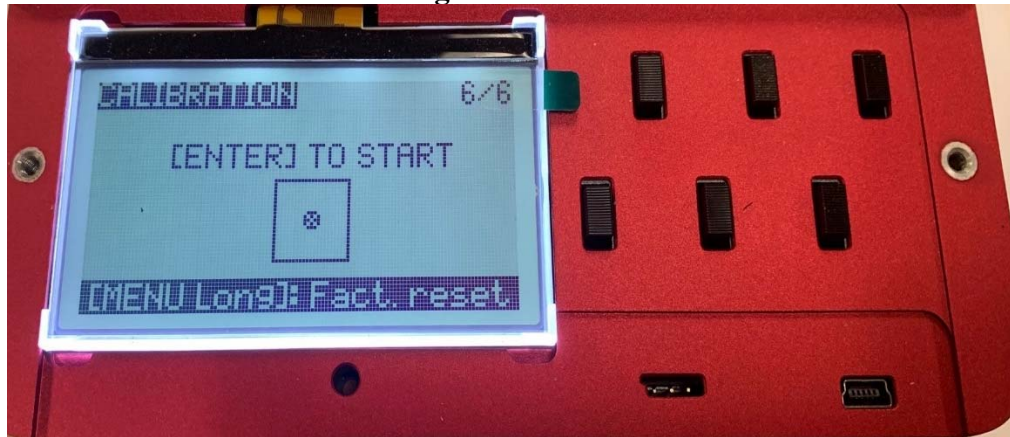


Figure 4



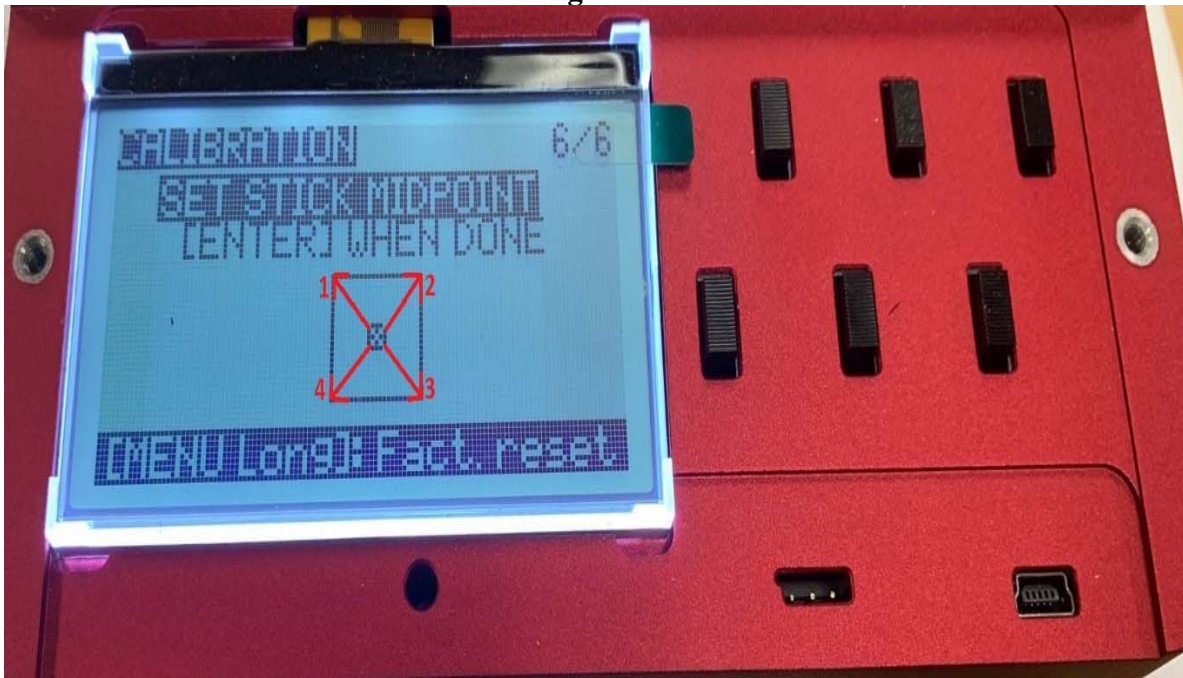
3. Once the screen has been illuminated toggle Trim switch 3 up once and then six times (6x's) down until reaching page 6/6 (see Figure 5).

Figure 5



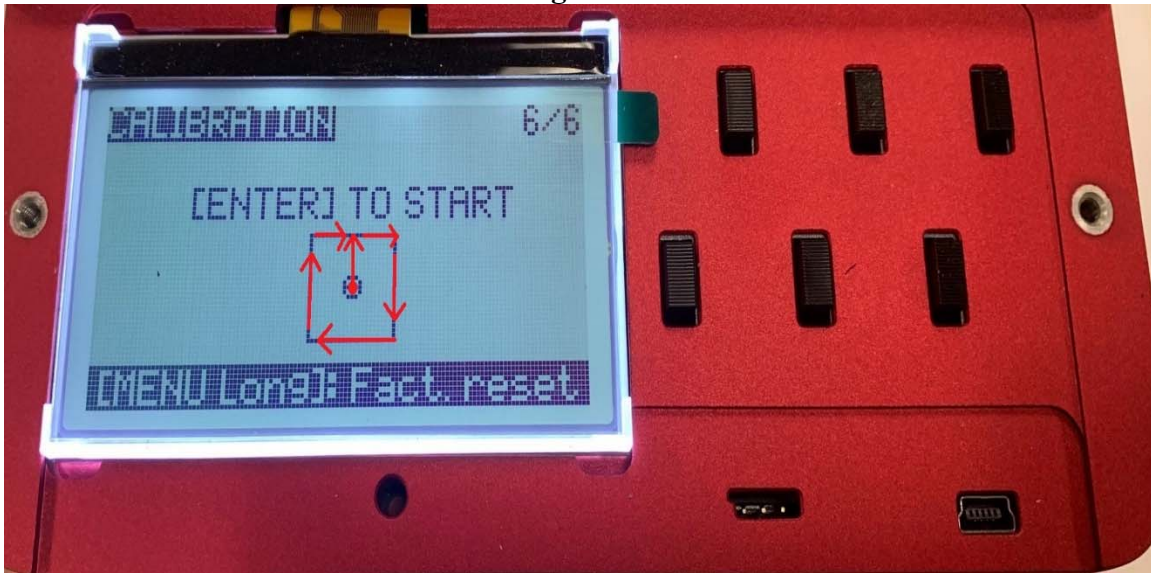
4. With the screen displaying page 6/6 toggle Trim switch 1 up once, the screen in Figure 6 should now be displayed. Move the joystick to one of the four corners (arbitrary) and release it so it can settle by itself in the center position. Repeat this step with the remaining three corners.

Figure 6



5. After having completed step four (4) toggle Trim switch 1 up again, the following should be displayed on the screen (see Figure 7). This step will program the range of the joystick by moving it around and tracing the edges, also displayed in Figure 7. The tracing of the edges should be done a minimum of two times followed by the release of the joystick. Once completed toggle Trim Switch 1 up once and turn off the transmitter using the power switch.

Figure 7



6. Calibration has now been completed. This procedure can be repeated following steps 1-5 if the transmitter is accidentally turned off or there was an error when calibrating.

*If the transmitter joystick does not recalibrate correctly repeat the Electronic Calibration steps once again. Contact Ac Air Technology Engineering Department at (855) 884-7222 for further troubleshooting directions if the second recalibration is unsuccessful.