

## SmartiParts 9Xtreme upgrade to 3D Robotics Iris+ modded version of the FS-TH9X

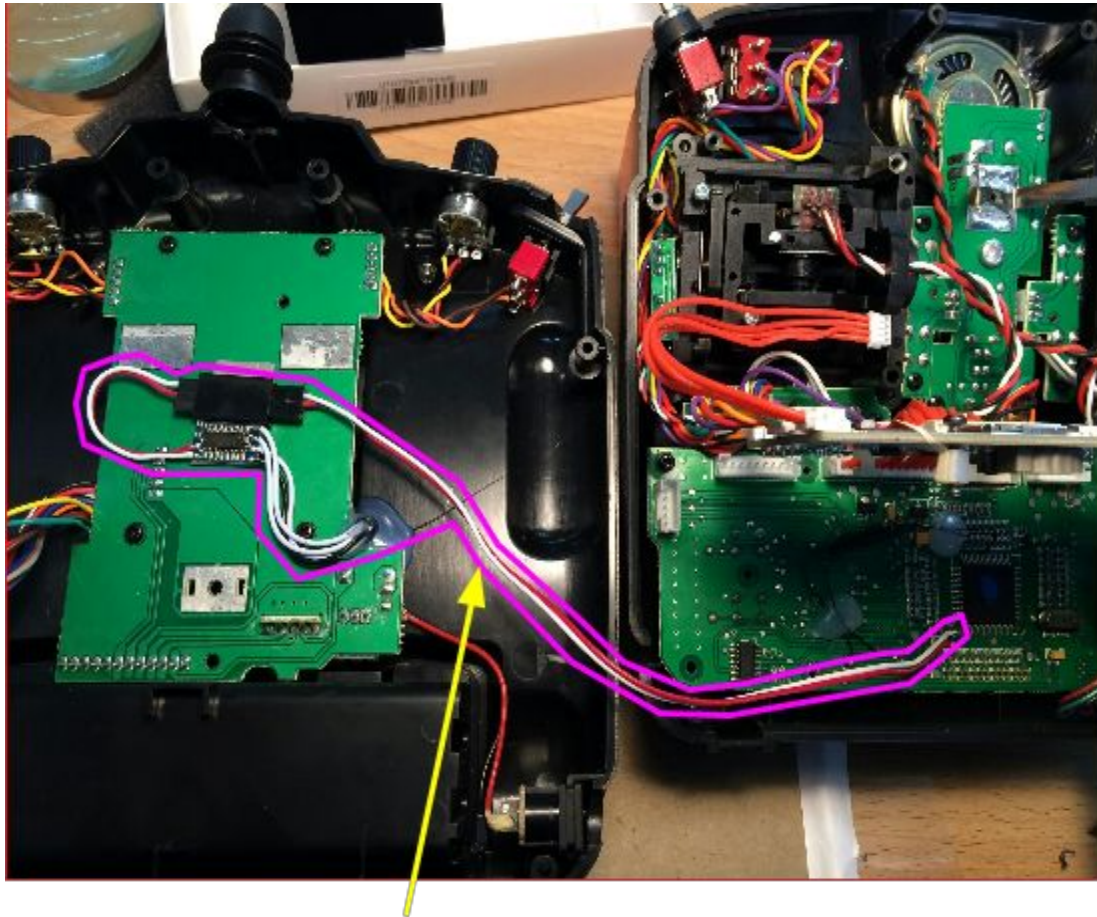


A FrSky DJT Module comes pre-installed on the 3DR Iris+ TX. The extra bits caused me a bit of confusion when I was installing my 9Xtreme board. I'll briefly illustrate how I proceeded and which of the extra components can be removed.

Putting this document together was an afterthought, had I planned on making it prior to performing the installation there would have been more images augmenting each step. I think however it is enough to get anybody through any confusion.

**Many thanks to MikeB and bob195558 for their instructions on how to do this.**

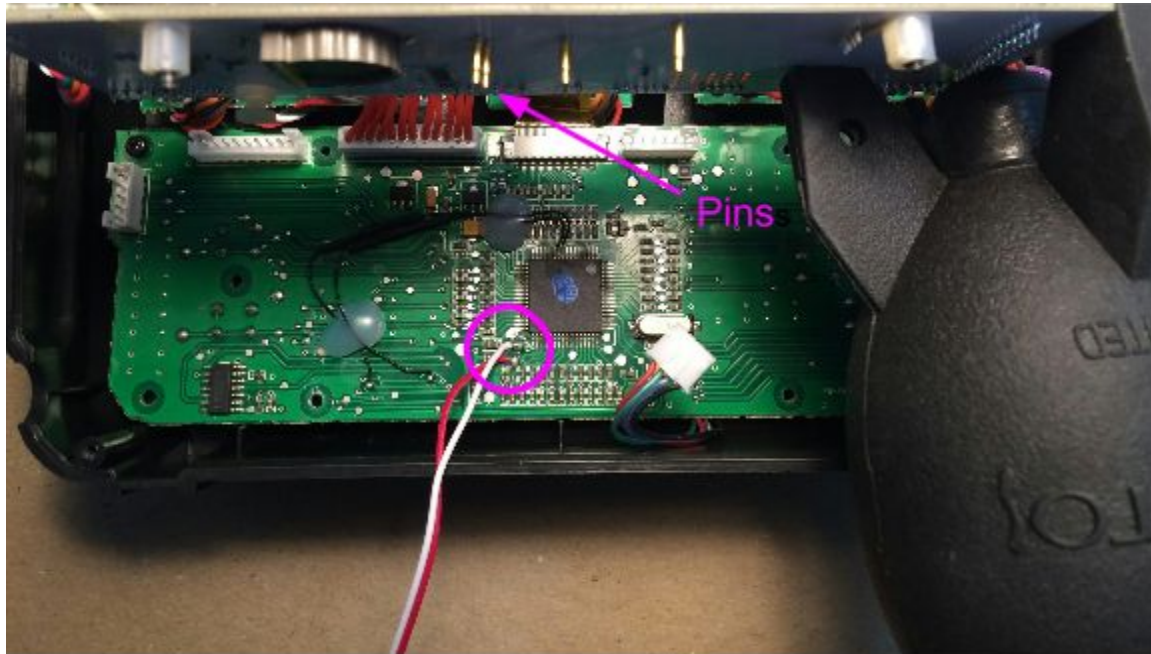
## Initial view of the opened TX



DJT components that can be removed.

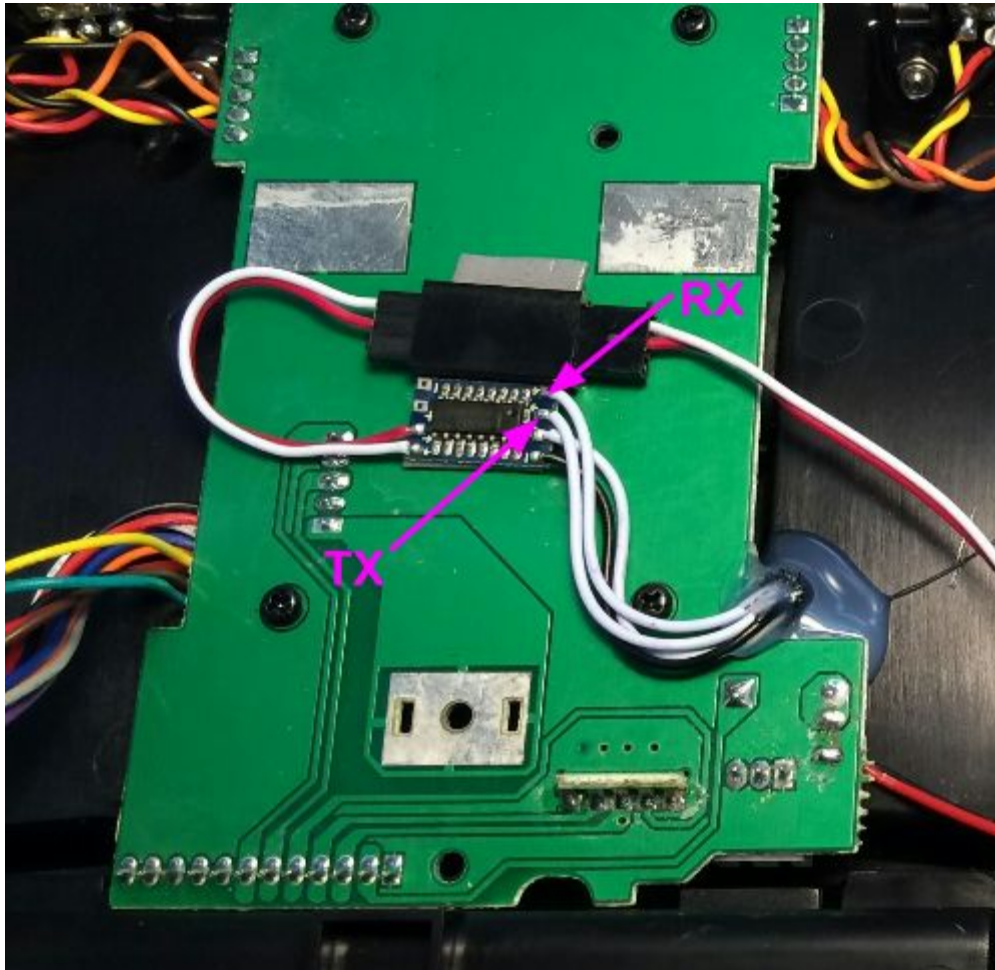
In actuality, you can leave the legacy MAX3232 chip and the 2 Pin connector in place there is no harm in doing so but I wanted to use the MAX3232 chip in another project.

The Red and White leads should however be desoldered from the FS-TH9X mainboard to all for proper seating of the spring pins on the bottom of the 9Xtreme upgrade PCB.



Remove the Red and White leads. Be sure to remove any extra solder from the PCB pads. Two spring pins on the rear side of the 9Xtreme board need to seat against the two pads.

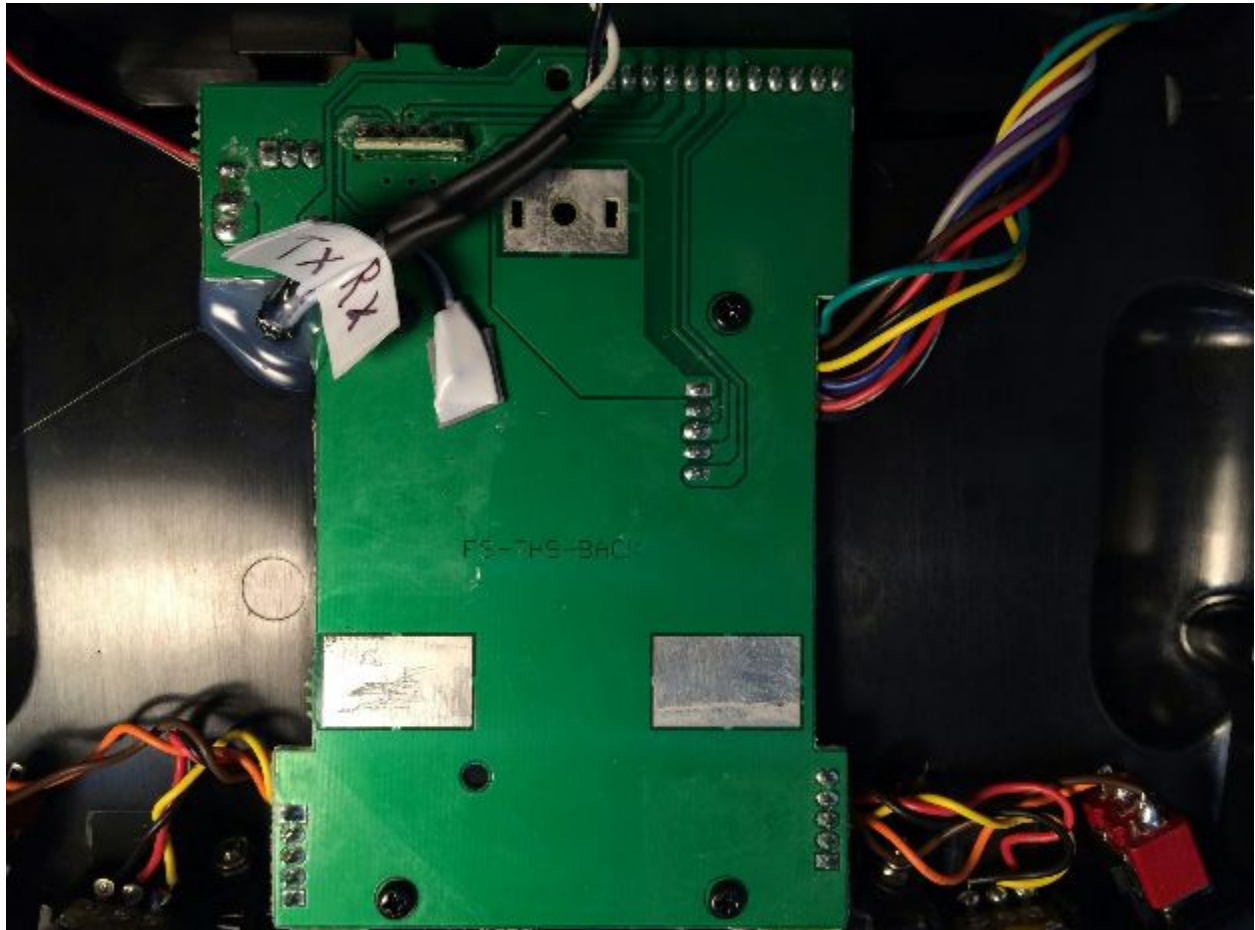




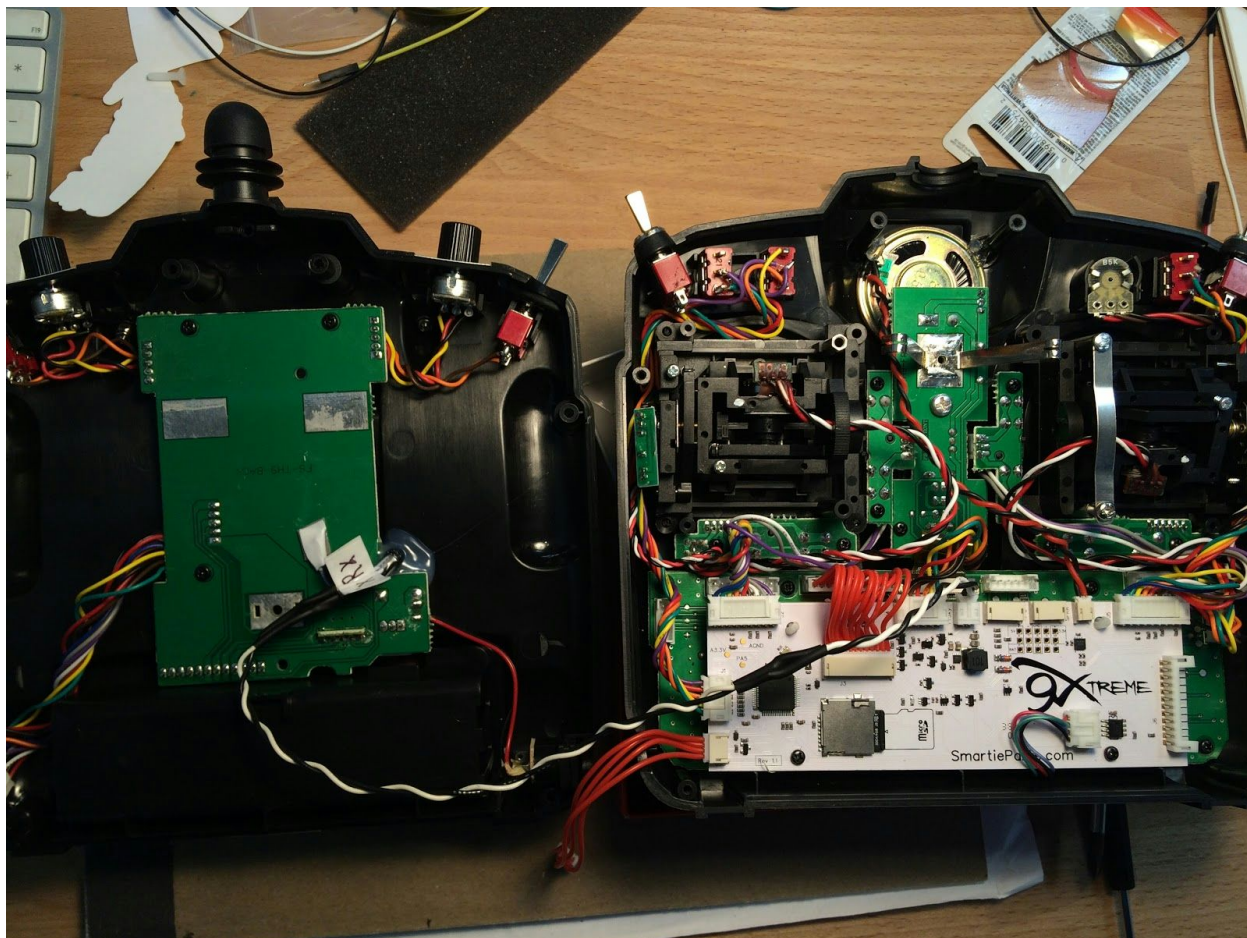
I labeled the leads then cut them. The ends of the bottom 2 leads should be isolated and can be taped onto the PCB.

RX connects to the Black lead of the two wire serial cable that comes with the 9Xtreme kit - TX connects to the White lead. I extended the leads so that it was easier to open the case. *See final image in this document.*

The MAX3232 and the 2 Pin connector with the Red & White leads can then be removed or left in place.



View with the unnecessary components removed. Note: the legacy positive and negative leads that plug into the backside of the DJT module are individually insulated and attached to the PCB with double-sided tape.



**Completed wiring.**

Again, many thanks to MikeB and bob195558 for making this possible.

Cheers guys and keep up the awesome mods that keep us flying!