I need some help. I am a newbie to multi-rotor (note: I have 30+ yrs. building and flying RC planes). I have had a couple of small RTF Quad’s and have just built a 450 X frame from a parts kit.

The setup is a clone 450 X frame, 2212 1000kv motors, 30A SimonK ESC’s, APM 2.6 board running AC 3.1.2, 3DR 915Mhz telemetry radio, Ublox 6M GPS on a mast, Power Module, Orange RX 615 receiver, Spektrum DX 8 radio.

I put in a couple of flights in the backyard and flew in Stabilized, AltHold, and Loiter with no issues. Actually it was surprisinglysolid “out of the box”. On the first flight I tried Land mode and it worked great. On the second flight I tried RTL from about 10-12 ft high and 20 ft away from HOME (RTL\_ALT set to 0). The copter rolled hard to the right (nose was facing away) and descended into the side of the house. Luckily the only damage was a broken prop. I assumed I screwed something up, wrong flight mode switch, inadvertent stick movement, whatever, pilot error.

Went out to a park with a large open area intending to just getting a better feel for the craft.