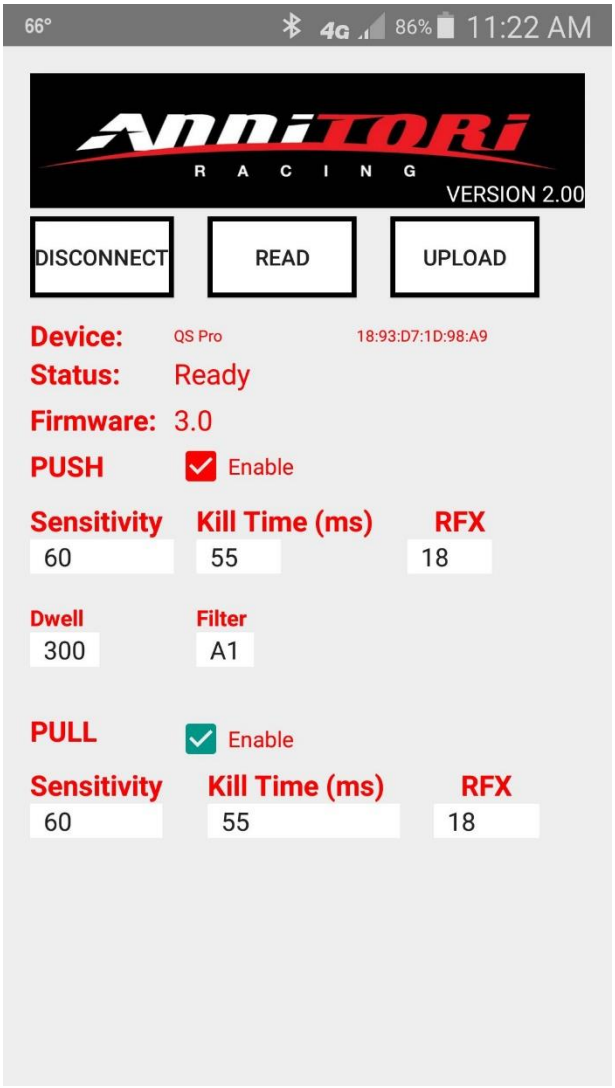
Firmware Versions 3.0 and newer

"…or, a cheat sheet of what all these settings options do"



a) **PUSH** (check the box to enable that direction, uncheck to disable) **

b) **PULL** (check the box to enable that direction, uncheck to disable) **

** **Remember** – "PUSH" and "PULL" are not about how your lever is moving, but is determined by how the linkage is acting on the sensor. It is very easy to determine what is your upshift direction. With the bike <u>not</u> running, sit next to your machine and move the shift lever with your hand for an upshift while watching the sensor. Are you "pushing" or "pulling" on the sensor when you upshift? This determines the direction to use in the app.

c) **Sensitivity** – touch the number and a spinner will come up with the options. A sensitivity of 10 means more pressure to activate the kill signal, 80 means very light.

d) **Kill time** – touch the number and a spinner will come up with all the kill time values in milliseconds. Choose the kill time you wish to enter.

e) **QS PRO 2 Indicator Lights** – Slow blinking GREEN is "on", steady green during software updates, RED blink when a shift occurs

These last 3 are ONLY for problem bikes where our Customer Support is helping to sort problems

e) **RFX** - is a series of algorithms we can change for older bikes or bikes that have electrical issues. RFX should be at 18, and always left at 18 unless you are having problems and have been in contact with our Customer Service directly. They will instruct you to make any changes, otherwise leave RFX at 18 and never change it

e) **Dwell** – this is the amount of time (in milliseconds) after you complete a shift that the shifter WILL NOT shift again no matter what you do. This is to avoid problems with bikes that have overly strong pedal return bounce, off road conditions, or shift styles that don't work with high technology sensors. Your Dwell is pre-set and probably never needs to be changed, but for people who have installed extremely short gearing (nothing a stock bike would have) or people who do a lot of "short shifting", machines run in very bumpy or off-road conditions, etc., you are now able to adjust this setting to fit your particular needs.

f) **Filter** – these are 4 different software versions we can use for bikes that are having problems, do not change this unless you are told to do so by our Customer Support. 99% of bikes are perfectly fine with the base setting you received, but for "odd" bikes or problem bikes these additional software variations allow us to help more effectively. Think of it as having more tools in your toolbox in case you ever need them, but unless something is broken and needs fixing, you don't need a toolbox at all. These filter variations are just more tools in the toolbox for us to help odd bikes with.