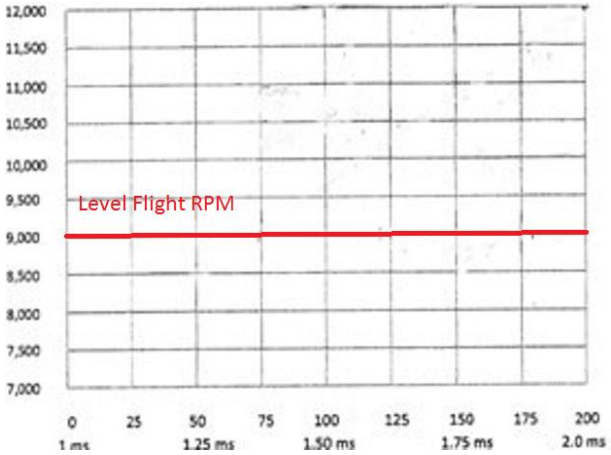
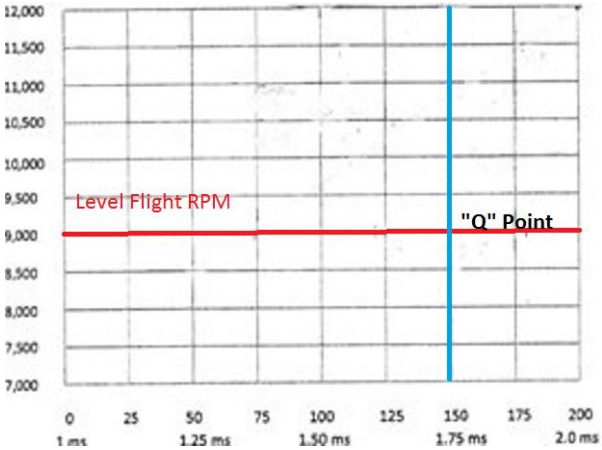
How to setup an Igor Accel System with a Jeti ESC

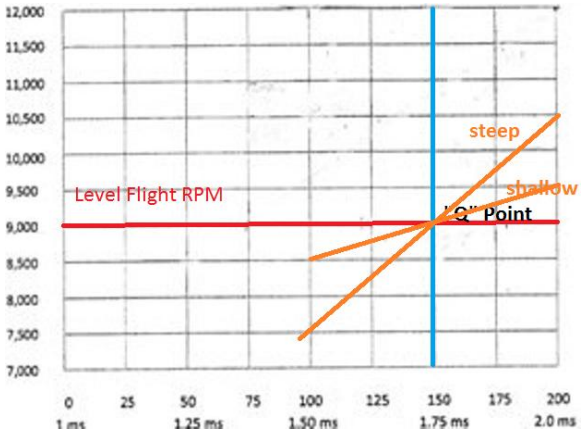
1. Pick your operating rpm. The rpm you need for straight and level flight.



2. Pick the "Taget Throttle" you wish to operate around. Typically start with 150. The intersection of the two lines is your operating point, or "Q" point.

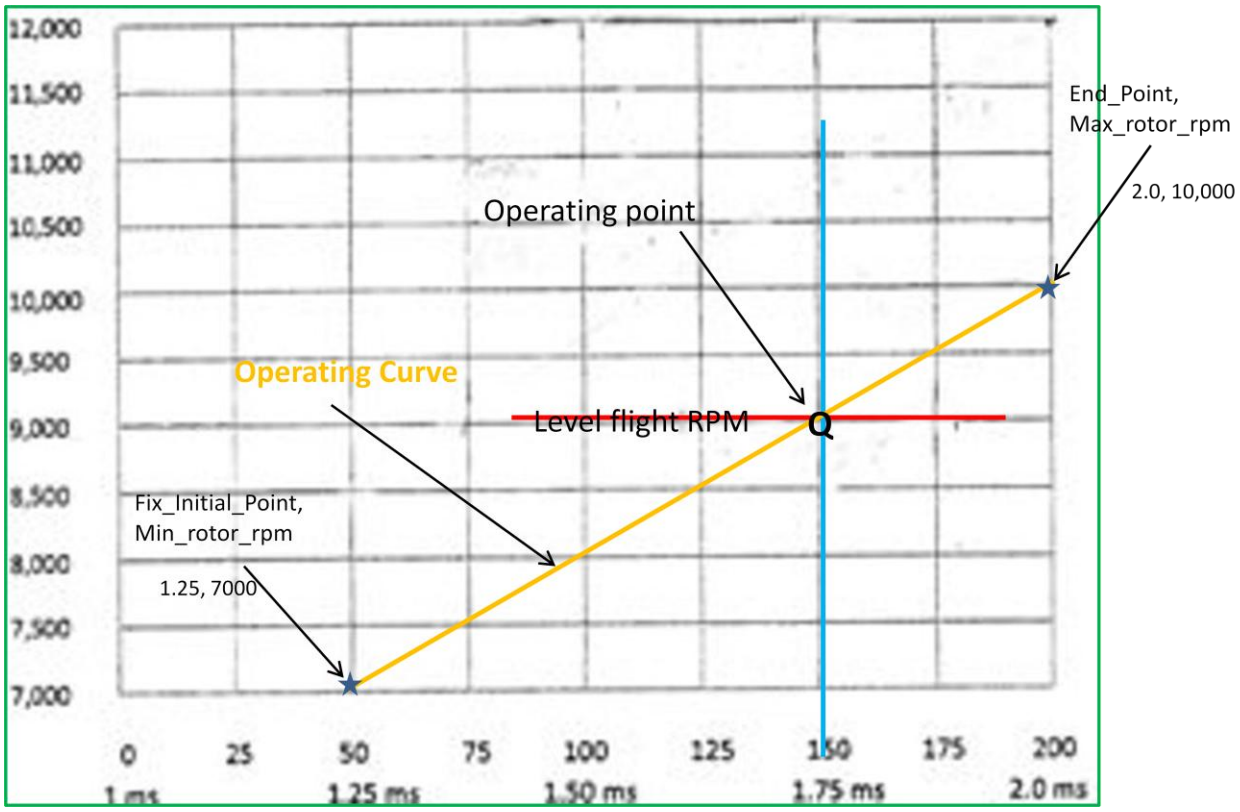


3. Decide on a steep or shallow operating curve and draw through the "Q" point. Slope makes some difference but not really too much.



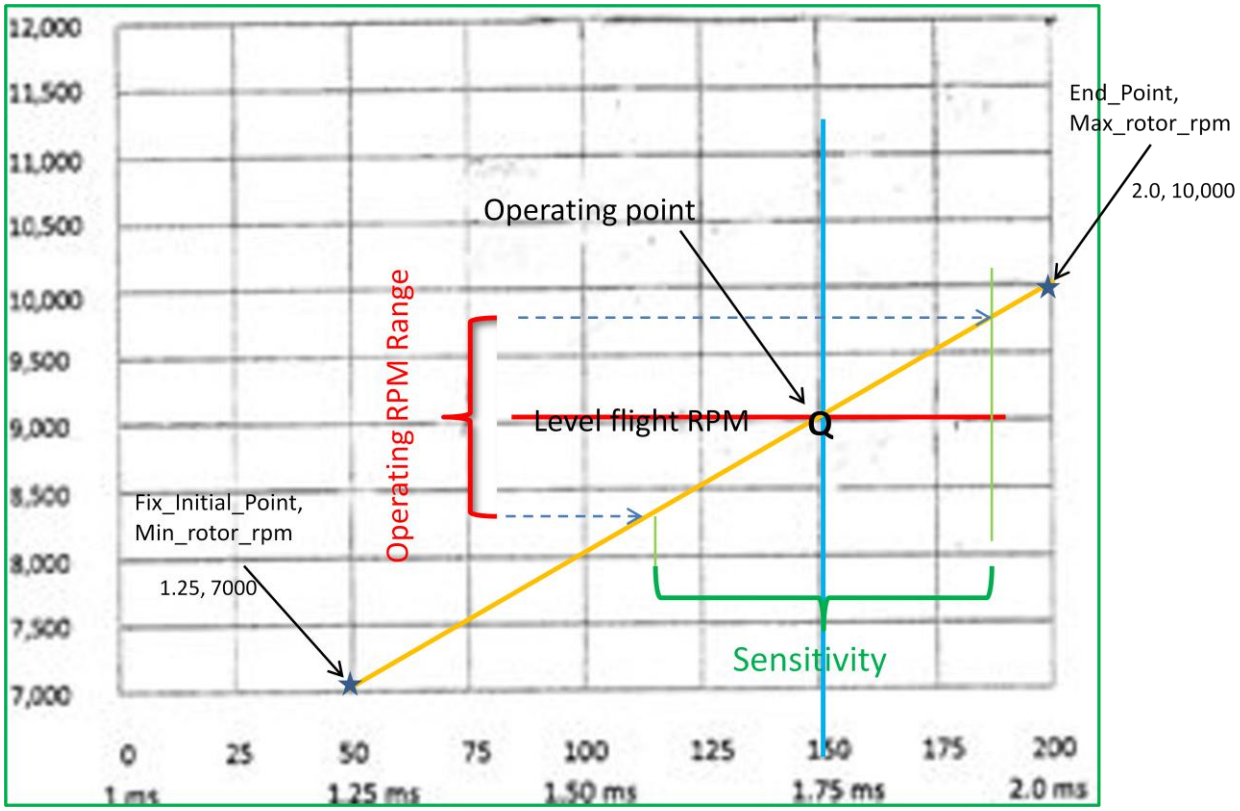
How to setup an Igor Accel System with a Jeti ESC

4. Define the operating curve by (x,y) points on each end of the line.
   (Fix_Initial_Point, Min_Rotor_RPM) (End_Point , Max_Rotor_RPM)
   Note that these values are set in the ESC.



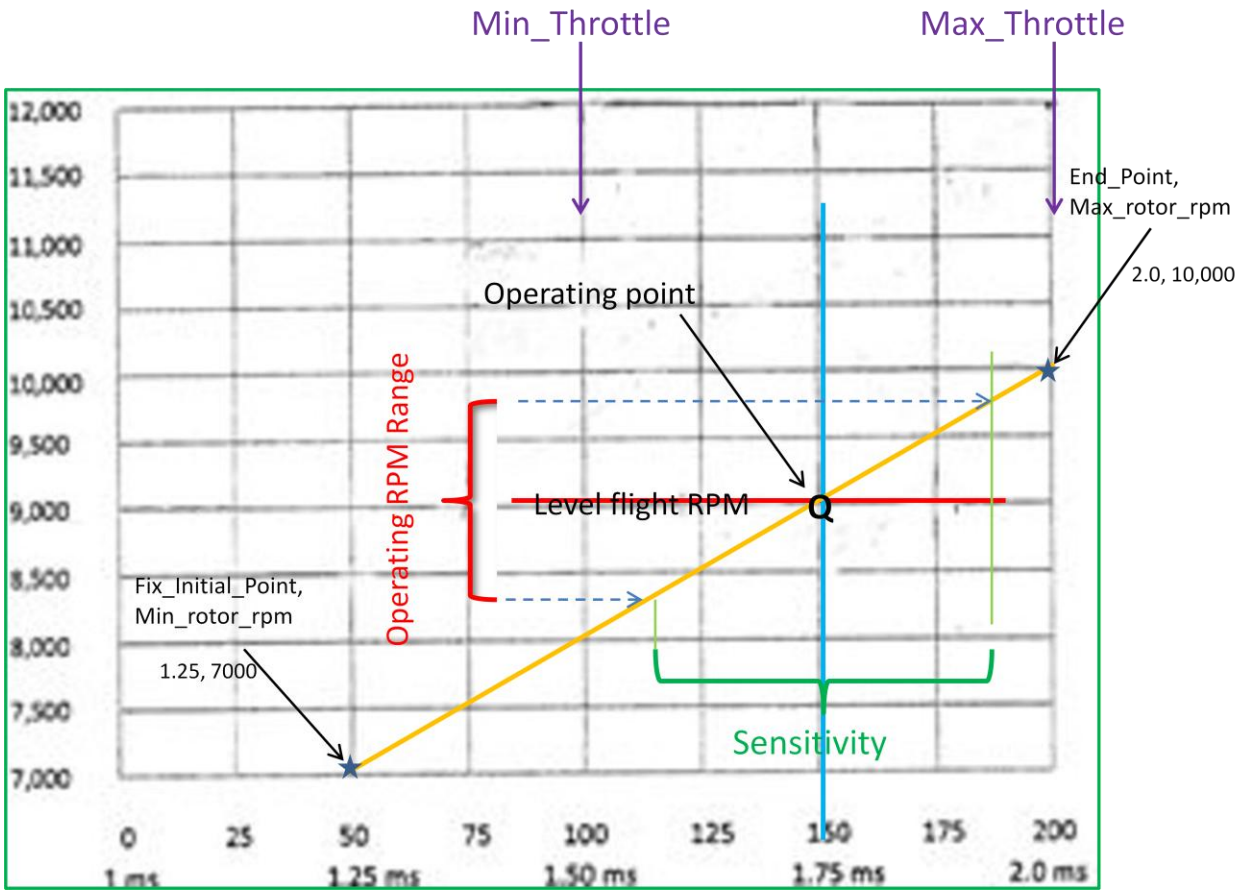
How to setup an Igor Accel System with a Jeti ESC

5. Set the Sensitivity. This is the amount of throttle control that will be allowed up and down the operating curve. Sensitivity is divided equally about the Target_Throttle. Half on one side and half on the other.

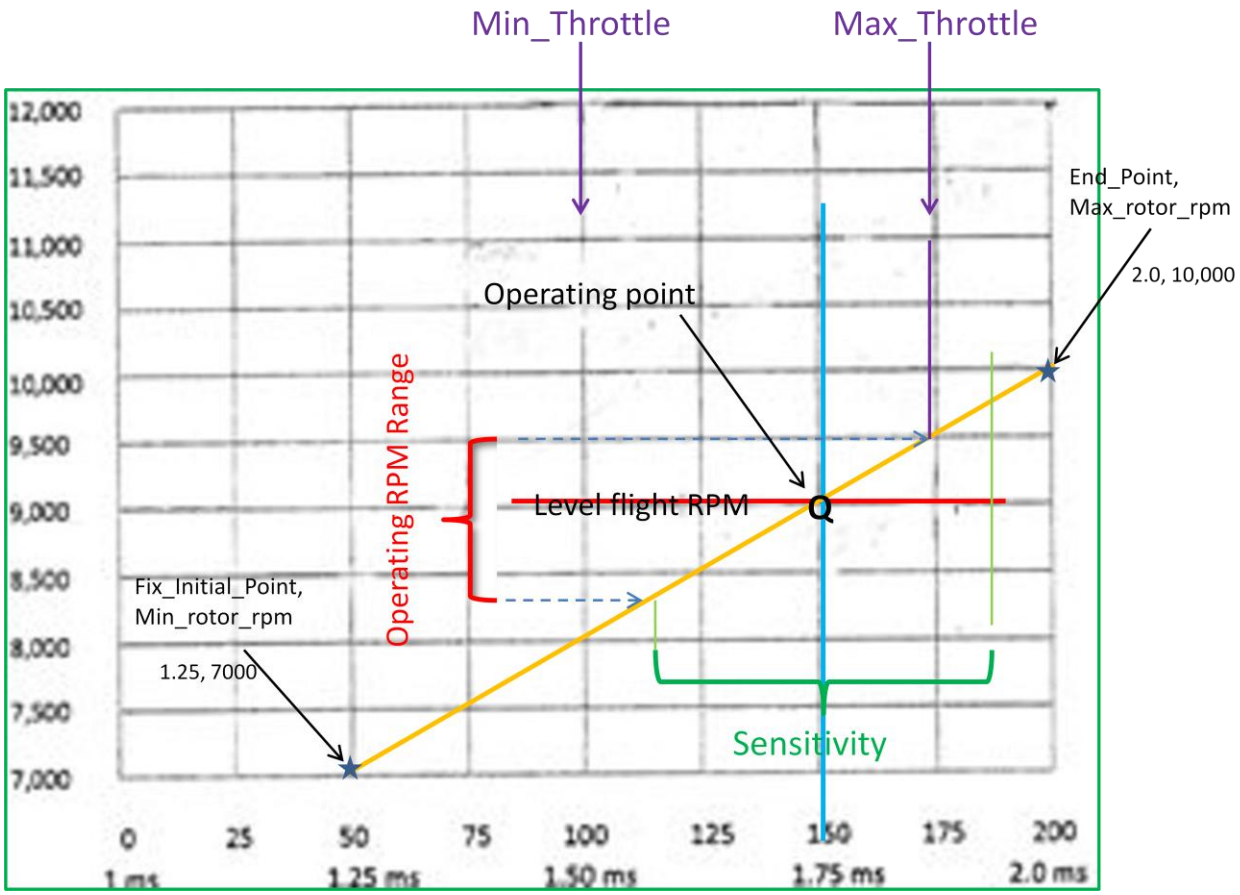


Note the as the controller moves up and down the operating curve between the sensitivity constraints, that the actual motor Operating RPM will vary as shown in the chart in proportion to the controller commands.

6. What about the variables Max_Throttle and Min_Throttle. If we set Min and Max throttle to 100 and 200 that is typical, then for this case nothing changes since the sensitivity level has already limited the operating range to a tighter span.

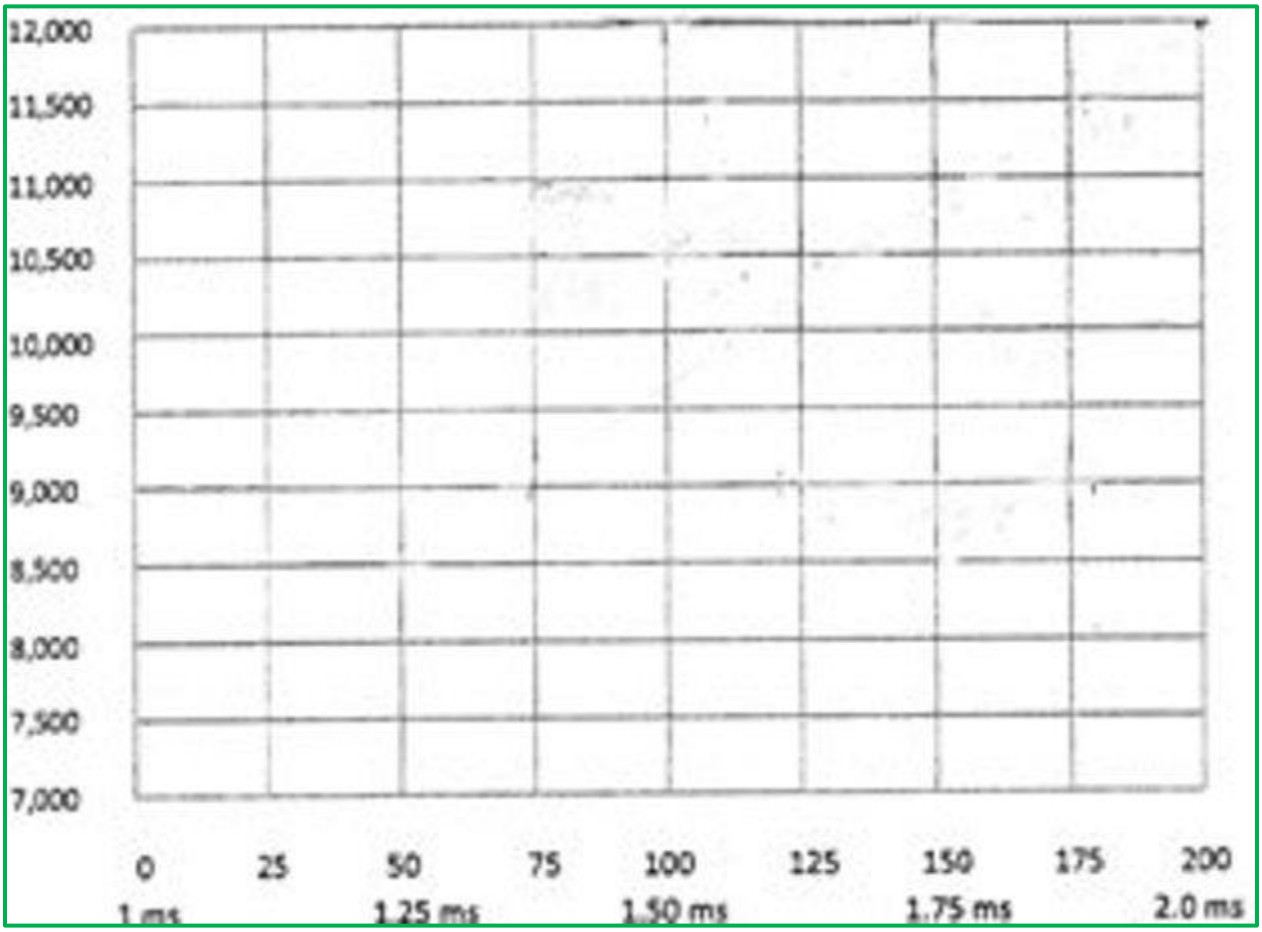


7. But if we move the Throttle limits in tighter, then we can clip one side or the other of the operating range. As seen below, the Max_Throttle is set to 175. This reduces the maximum RPM of the controller to (in this case) 9,500 rpm.



How to setup an Igor Accel System with a Jeti ESC

8. Here is a blank to do your own.



How to setup an Igor Accel System with a Jeti ESC