

[Tengu RC 10 step pid tune](#)

P on roll	Cruise around, if it:	Dips down in corners	Increase P
		Fast oscillations on entry	Decrease P
P on pitch	Fly forward, bump throttle	Head bobs up and down	Increase P
		Fast oscillations	Decrease P
TPA	Punchout	If oscillations then	Increase TPA
I on roll	Punchout	If it doesn't hold position If it dips to the side	Increase I
		Feels like air is thick, doesn't respond well	Decrease I
I on pitch	Fly forward, bump throttle	Doesn't hold position (loose/drifty)	Increase I
		Too stiff/robotic	Decrease I
Anti gravity	Punch out, look down	Should not move, should stay locked in. If it doesn't then:	increase Anti gravity
D on roll	Snap roll	If it bounces	Increase D
		If it has oscillations	Decrease D
D on pitch	Snap flip	If it bounces	Increase D
		If it has oscillations	Decrease D
Yaw	Yaw spin	If it shakes after stopping	Decrease P
		If it doesn't stay horizontal during yaw spin	Increase P
Set point weight	Low value	Smooth but loose	
	High value	Locked in but robotic	