

# RECOMMENDED PARAMETERS FOR F7 SE FC

**PID Profile Settings** | Rateprofile Settings | Filter Settings

**CAUTION:** Current slider positions may cause flyaways, motor damage or unsafe craft behaviour. Please proceed with caution.

PID profile name:

	Proportional	Integral	D Max	Derivative	Feedforward
Basic/Acro					
ROLL	36	95	26	22	150
PITCH	36	95	26	22	150
YAW	28	106	0	0	130

Mode: **OFF** | Low | Default | High

Parameter	Value	Low	Default	High
Damping: D Gains	1			
Tracking: P & I Gains	1			
Stick Response: FF Gains	1			
Dynamic Damping: D Max	1			
Drift - Wobble: I Gains	1			
Pitch Damping: Pitch:Roll D	1			
Pitch Tracking: Pitch:Roll P, I & FF	1			
Master Multiplier	1			

**Note:** Slider(s) are disabled because current values are outside the Basic Mode adjustment range. Switch to Expert Mode to make changes

Angle/Horizon	Strength	Transition
Angle	50	
Horizon	50	75

Angle Limit:

**PID Controller Settings**

Feed-forward: 5 (Jitter Reduction), 60 (Smoothness), OFF (Averaging), 18 (Boost), 90 (Max Rate Limit), 0.00 (Transition)

I Term Relax:  RP (Axes), Setpoint (Type), 40 (Cutoff)

Anti Gravity:  Permanently enable, 4.4 (Gain)

I Term Rotation:

Dynamic Damping: 37 (Gain), 20 (Advance)

**Throttle and Motor Settings**

0 (Throttle Boost), 100 (Motor Output Limit), 40 (Dynamic Idle is OFF because Dshot Telemetry is OFF)

Vbat Sag Compensation: 100 (%)

Thrust Linearization: 40 (%)

TPA Mode: **D** | TPA Rate: 0.50 | TPA Breakpoint: 1500

**Miscellaneous Settings**

Cell Count - for auto Profile switching

**Refresh Save**

Profile: Profile 1 | Rateprofile: Rateprofile 2

**PID Profile Settings** | Rateprofile Settings | **Filter Settings**

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More Filtering | Default Filtering | Less Filtering

Gyro Filter Multiplier: 1.5 | D Term Filter Multiplier: 1.3

**Profile independent Filter Settings** | ON

**Gyro Lowpass Filters**

Gyro Lowpass 1: DYNAMIC Mode, 375 (Min Cutoff Frequency [Hz]), 750 (Max Cutoff Frequency [Hz]), PT1 (Filter Type)

Gyro Lowpass 2: 750 (Static Cutoff Frequency [Hz]), PT1 (Filter Type)

**Gyro Notch Filters**

Gyro Notch Filter 1

Gyro Notch Filter 2

**Dynamic Notch Filter**

Dynamic Notch Filter: 3 (Notch Count), 300 (Q factor), 100 (Min Frequency [Hz]), 600 (Max Frequency [Hz])

**Profile dependent Filter Settings** | ON

**D Term Lowpass Filters**

D Term Lowpass 1: DYNAMIC Mode, 97 (Min Cutoff Frequency [Hz]), 195 (Max Cutoff Frequency [Hz]), 5 (Dynamic Curve Expo), PT1 (Filter Type)

D Term Lowpass 2: 195 (Static Cutoff Frequency [Hz]), PT1 (Filter Type)

**D Term Notch Filter**

D Term Notch Filter

**Yaw Lowpass Filter**

Yaw Lowpass Filter: 100 (Static Cutoff Frequency [Hz])

**Refresh Save**