Makers PEV: VESC App Manual Setup

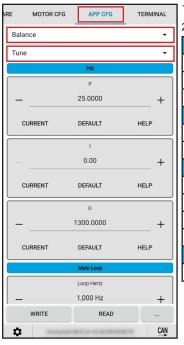


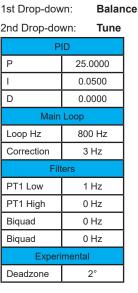
Manual VESC Tool App Settings

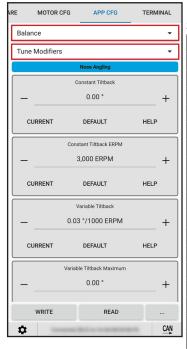
If you did not perform an initial backup or have saved your own settings but want to revert to the settings when your FOCer was shipped. Begin by swiping the top menu and select APP CFG. Then follow the steps below to manually enter the settings.

NOTE: DO NOT write settings while riding. Doing so may result in serious injury. Settings are based on 15s battery setup. If a different battery is used, adjust settings accordingly.

The screenshots below are for menu reference only and may not reflect the correct settings. Use settings in the charts next to the screenshots.



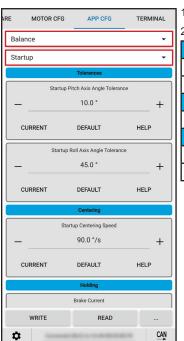




0 6 000

> 1st Drop-down: **Balance** 2nd Drop-down: **Tune Modifiers**

zna brop-adwin. Turie wodiners			
Nose Angling			
Constant Tiltback	0°		
Tiltback ERPM	500 ERPM		
Variable Tiltback	0°/1000 ERPM		
Variable Tiltback MAX	0°		
Nose Angling Speed	5°/s		
Booster			
Start Angle	0°		
Ramp Up	2°		
Current Boost	0 A		
Torque Tiltback			
Strength	0°/A		
Start Current	15 A		
Tiltback Angle Limit	8°		
MAX Tiltback Speed	3°/s		
MAX Tiltback Release Speed	3°/s		
Current Filter	10 Hz		
Turn/Roll Tiltback			
Strength	6		
Tiltback Angle Limit	3°		
Roll Angle Threshhold	2°		
ERPM Threshhold	1000 ERPM		
MAX Tiltback Speed	5°/s		
Speed Boost	0%		
Speed Boost MAX ERPM	10,000 ERPM		



00

Balance 1st Drop-down: 2nd Drop-down: Startup

Tolerances		
Pitch Axis Angle	5°	
Roll Axis Angle	45°	
Centering		
Startup Centering Speed	90°/s	
Holding		
Brake Current	2 A	
Brake Timeout	1 s	

00

000

Makers PEV: VESC App Manual Setup



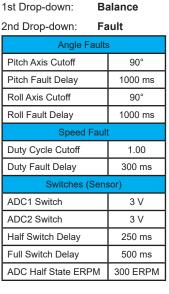
Manual VESC Tool App Settings Continued

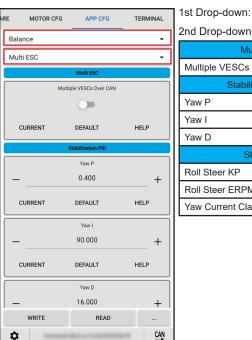


1st Drop-down: Ba	Balance	
2nd Drop-down: Til	Tiltback	
General Config		
Return to Level Speed	1°/s	
Duty Cycle Tiltback		
Duty Cycle	0.75	
Angle	5°	
Speed	10°/s	
High Voltage Tiltback		
High Voltage	64 V	
Angle	10°	
Speed	1°/s	
Low Voltage Tiltback		
Low Voltage	44 V	
Angle	10°	
Speed	1°/s	



0000

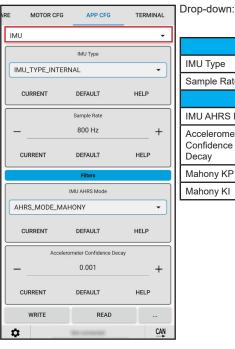






000

Balance



IMU Type IMU_TYPE_INTERNAL
Sample Rate 800 Hz

Filters

IMU AHRS Mode AHRS_MODE_MAHONY

Accelerometer
Confidence Decay

0.001

2.00

0.00

IMU

IMPORTANT: After entering these settings, go back to the main menu and select **BACKUP** to create a new backup with all these settings. This will be used to restore if you made any changes to tweak your settings/riding experience.

At this point you are done with the setup of your new Makers PEV Fully Assembled Flowglider Box and are ready to test ride. I hope this document has been helpful in the setup and happy riding! - Neel

00