

Counter of Overload ,Not important in this firmware

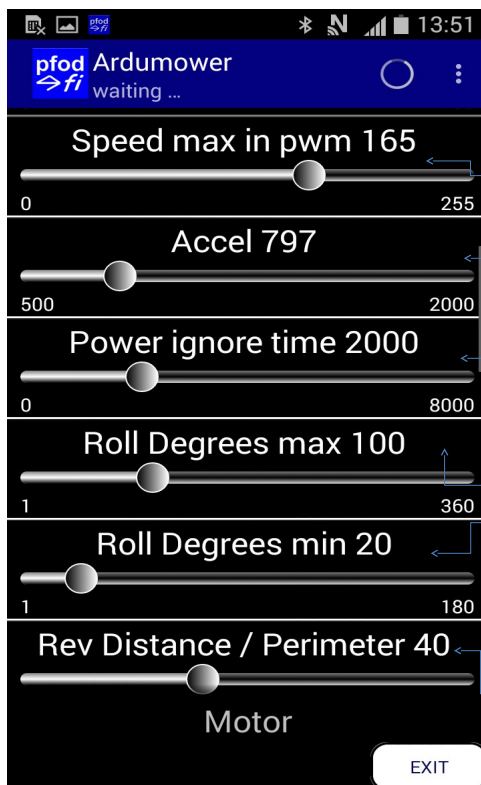
Actual Power of left and Right Motor in Watt

Electrical intensity of Motor in Ma Adjust with MotorSenseScale if not correct

Max power (at 80% of this value the mower stop and reverse) at 100% the mower stop and it's ERROR.
To find the best Value, put the mower in Manual and forward ,Brake the mower until the wheels slip or stop, and read max value.

Actual speed in RPM

The Max wheels speed in RPM
Adjust with PWM, In manual check that PWM is not at max value on the 2 wheel (See Odometry setting)



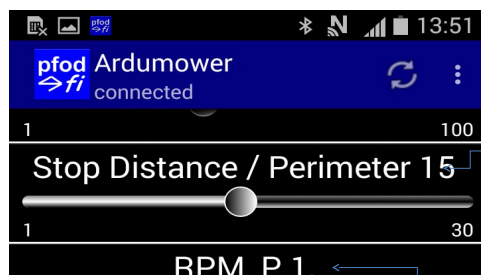
Normal speed of the mower when into mowing mode
Very Important setting

Wheel Acceleration Coeff (use into manuel mode)

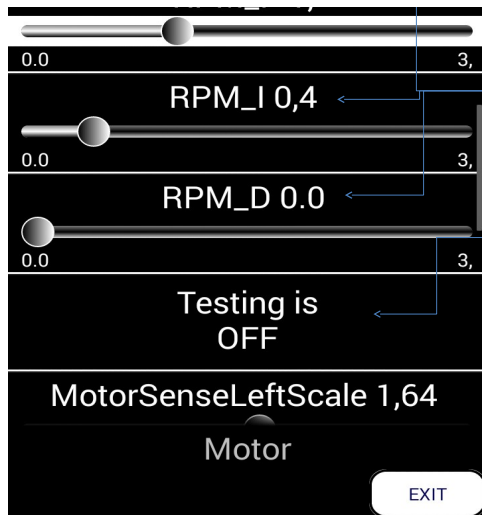
During this duration the Power of motor is not manage help when accel to avoid motor error (Not use)

Into Random Mode it's the minimum and maximum roll angle to have a correct random path

After crossing wire it's the reverse distance in CM
need to be bigger than the Stop Distance,



Brake distance after crossing the perimeter wire,
(The mower go over the wire in this case but help to brake and smooth movement)
Not too big to avoid perimeter timeout error



P I D parameter
Use to go in straigh line with ODOmetry
(when IMU is not used or in Manual
mode)

Test of motor (remove in the futur
version : there is a new menu for that)

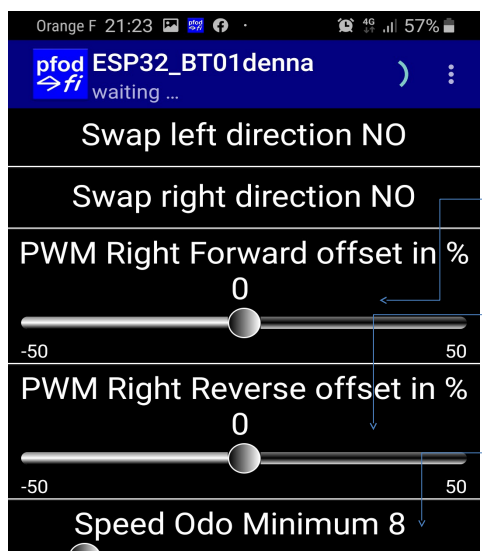


Use to perfectly set the intensity of left
motor (Visible only in DEV mode)

Use to perfectly set the intensity of Right
motor (Visible only in DEV mode)

I need to verify but not use

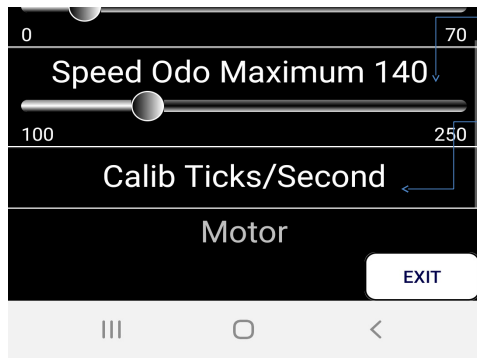
Swap is used to reverse a motor but BETTER TO
INVERT THE WIRE DIRECTLY ON MOTOR



Offset to help the 2 motor to go at exactly the same speed when
same PWM, easy to check into test motor 5 turn the 2 motors
need to stop at the same time, Into forward and reverse Mode,

Minimum PWM for the motor to turn on small slope ,VERY
IMPORTANT to avoid long pause during mowing

Maximum PWM Avoid mower go too fast when adding the PID
(need to be smaller than MaxPWM)



Motor setting

Warning MOWER MOVE when click

To do once into normal grass to help the firmware to compute all the state duration and avoid wait at the end of state on slope or big grass