



- calibrated: int

```
+ Drone: Drone
+ Drone(int port, int freq, int m1_pin, int m2_pin, int m3_pin, int m4_pin, int acc_da_pin, int acc_plk_pin, int cc): Drone
+ ~Drone()
+ handleInstruction(char Ins):int
+ checkAlt(): void *
+ getGyroData(): signed short *
+ getAccData(): signed short *
+ setAllMotors(int speed): int
+ setMotorSpeed(int motor_id, int speed):int
+ startDrone():
- getAvgMotorSpeed(): int
```

CONSTANTS

ACC_ADR: i2c address of accelerometer

MOTORx_PIN: Motor GPIO pin for x (x := [0, 3])

HOVER: calculated throttle % for hover