

Drones

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<http://metasnake.com>



Drones

Drones

- Fun
- Easy
- Cheapish



Ardrone

- <http://ardrone2.parrot.com/>
- <https://github.com/venthur/python-ardrone>

Ardrone

```
>>> from libardrone import libardrone
>>> drone = libardrone.ARDrone()
>>> # You might need to call drone.reset()
>>> # before taking off if the drone is in
>>> # emergency mode
>>> drone.takeoff()
>>> drone.land()
>>> drone.halt()
```

Issues

Pros

- Available
- Programmable
- Pricey

Cons

- Finicky
- Durability
- Outdated?



Crazyflie 2.0

- Open Source
- <http://www.bitcraze.se/crazyflie-2/>

<https://github.com/bitcraze/crazyflie-clients-python>

[http://wiki.bitcraze.se/doc:crazyflie:api:python:index?s\[\]=python](http://wiki.bitcraze.se/doc:crazyflie:api:python:index?s[]=python)

Turtle

Fake drone

Turtle

based on LOGO from 1966

Example

```
from turtledrone import TRDrone
drone = TRDrone()
drone.takeoff()
time.sleep(1)
drone.move_forward()
drone.turn_left()
drone.land()
drone.halt()
```

```
File Edit Shell Debug Opt
Python 2.7.6 (default, M
[GCC 4.8.2] on linux2
Type "copyright", "cred
>>> import turtle
>>> turtle.forward(10)
>>> turtle.right(45)
>>> turtle.forward(100)
>>> turtle.right(90)
>>> turtle.pensize(20)
>>> turtle.forward(50)
>>>
```



Commands

Command	Result
takeoff	Launch
land	Land
move_...	left, right, up, down, forward, backward
set_speed	Change speed of drone 0-1
write	(Not in ardrone) write text