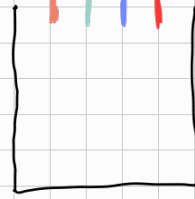
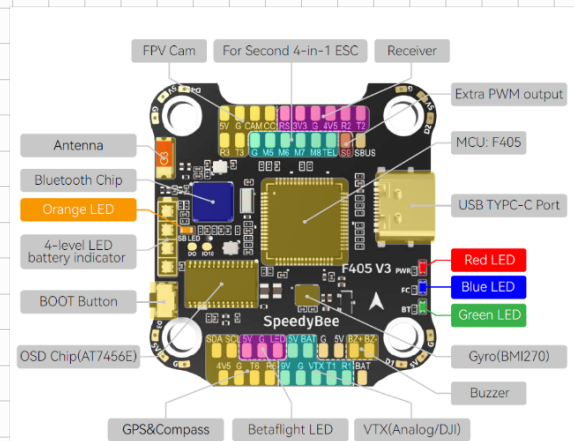


Runcam Racer Nano

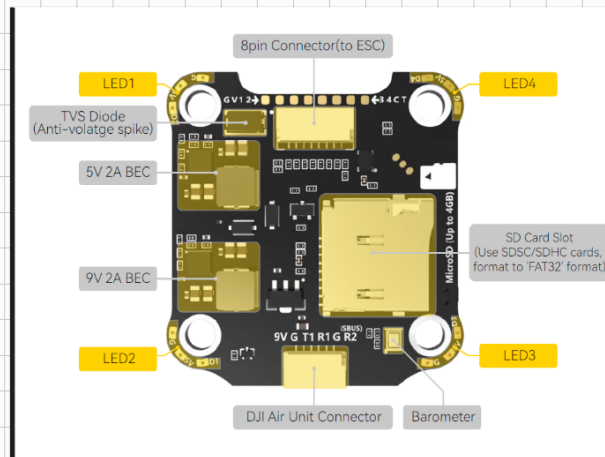


5-36V
GND
Video
Menu

FC

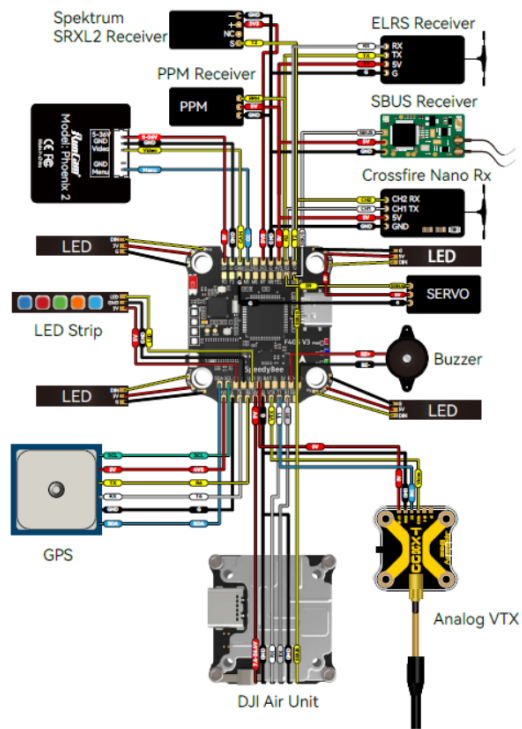


ESC

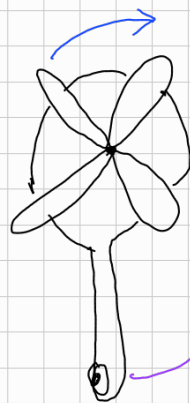


FC's Peripheral Connection

7/15



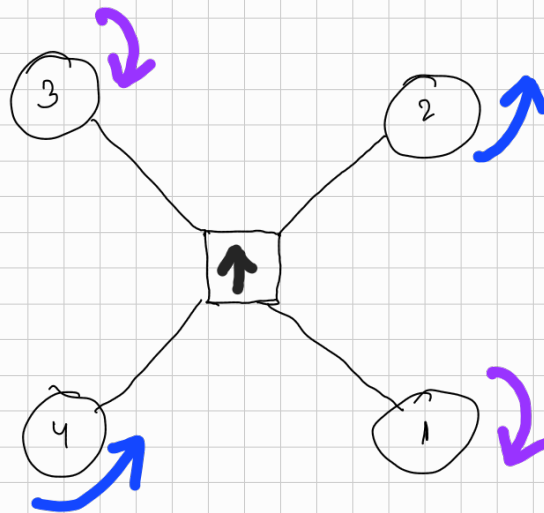
Newton's third Law



Body applies rotation force on propellers

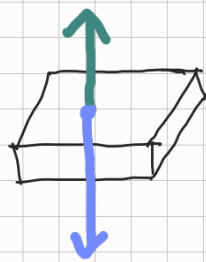
propellers apply rotation force on body

Quad Setup



$$\begin{aligned} T_1 + T_3 \\ = \\ T_2 + T_4 \end{aligned}$$

Hovering



Lift

Weight

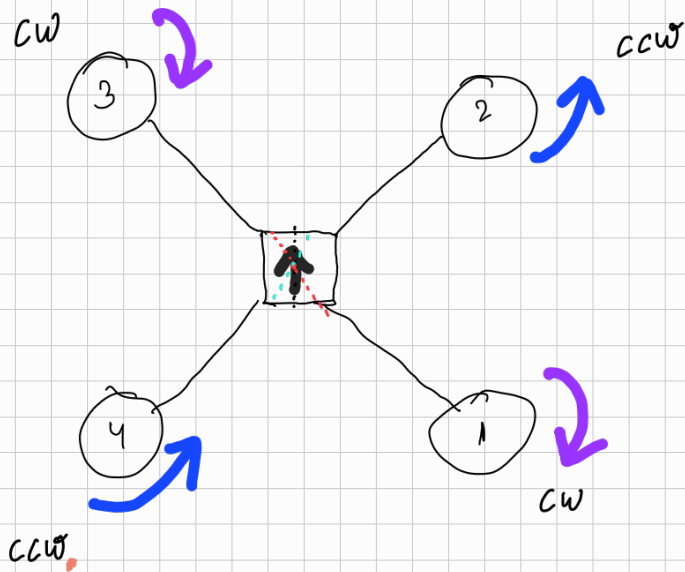
Ascend

??

Descend

??

Pitch (y)



Forward

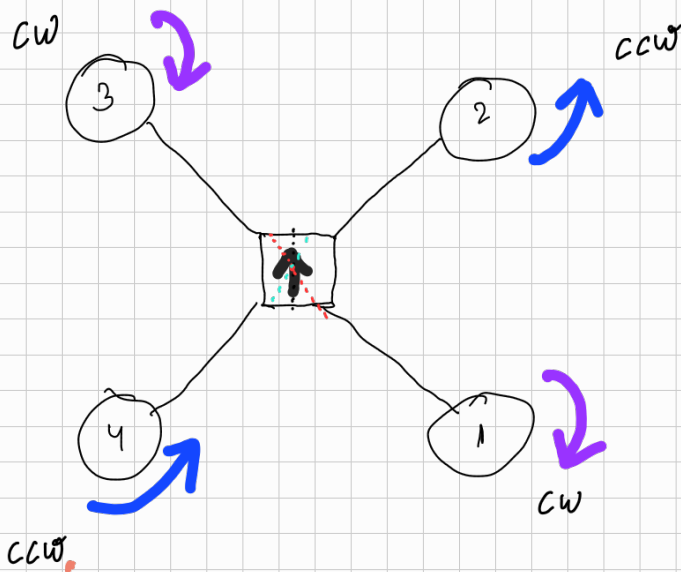
$$1 + 4 \gg 2 + 3$$

Backward

$$2 + 3 \gg 1 + 4$$

like nodding your head "yes" OR "no"

Roll (x)



Left

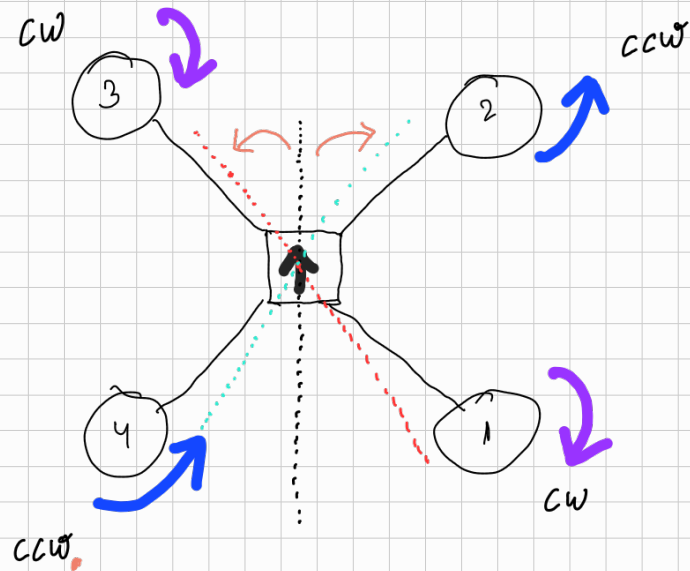
$$1 + 2 \gg 3 + 4$$

Right

$$3 + 4 \gg 1 + 2$$

Yaw (z)

change direction the front of drone is facing.



Left

$$1 + 3 > 2 + 4$$

Right

$$2 + 4 > 1 + 3$$