

LipLoft User Manual Version 1.0

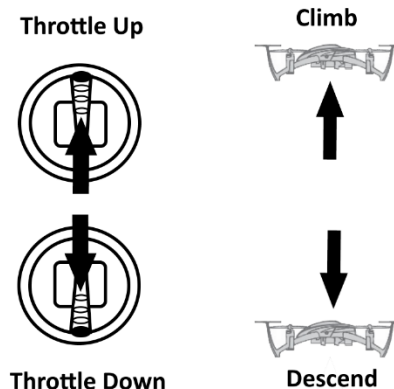
- Power the LipSync (Slave module)
- Power the LipLoft interface unit (Master module)

Note: Power the LipSync (Slave module) 5 seconds before the LipLoft interface unit (Master module) if you are connecting the LipSync to LipLoft for the first time.

- The green led on bluetooth module of the LipLoft interface indicates if the connection between LipSync and LipLoft interface unit is established.
- The green led on bluetooth module of the LipLoft interface should stay ON. You can disconnect the power source from LipLoft interface and power again LipLoft interface if the led is OFF. This should help to establish bluetooth connection.



- Next you need to Arm the drone. Arming allows the motors to start spinning. Make sure all objects, people and any body parts are out of the way before Arming the drone.
- Arm the drone by puffing and sipping once. The main external green led will turn on and stay on to indicate the drone is Armed.
- Sip and puff control the throttle



Action	Result
Puff	Throttle up (Increases throttle value)
Sip	Throttle down (Decreases throttle value)

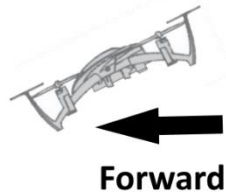
Note: You can sip to float the drone for 1 second and continue sipping to land the drone.

- LipSync joystick controls pitch and roll

Elevator Down

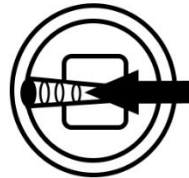


Pitch



Forward

Aileron Left



Roll

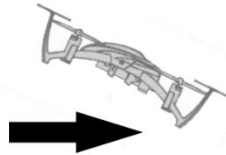


Left

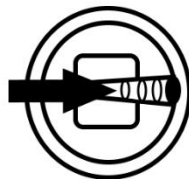


Elevator Up

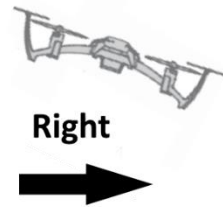
Backward


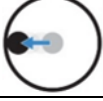
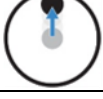



Aileron Right



Right



Lipsync Action	Visual Action	Drone Action
Mouthpiece Right		Roll Right
Mouthpiece Left		Roll Left
Mouthpiece Up		Move Forward
Mouthpiece Down		Move Backward

- Gryo calibration is automated when the drone is Armed.
- Land the drone and power Off the LipLoft interface unit for ending the usage.
- Disconnect the power in the drone and finally disconnect Lipsync power connection.