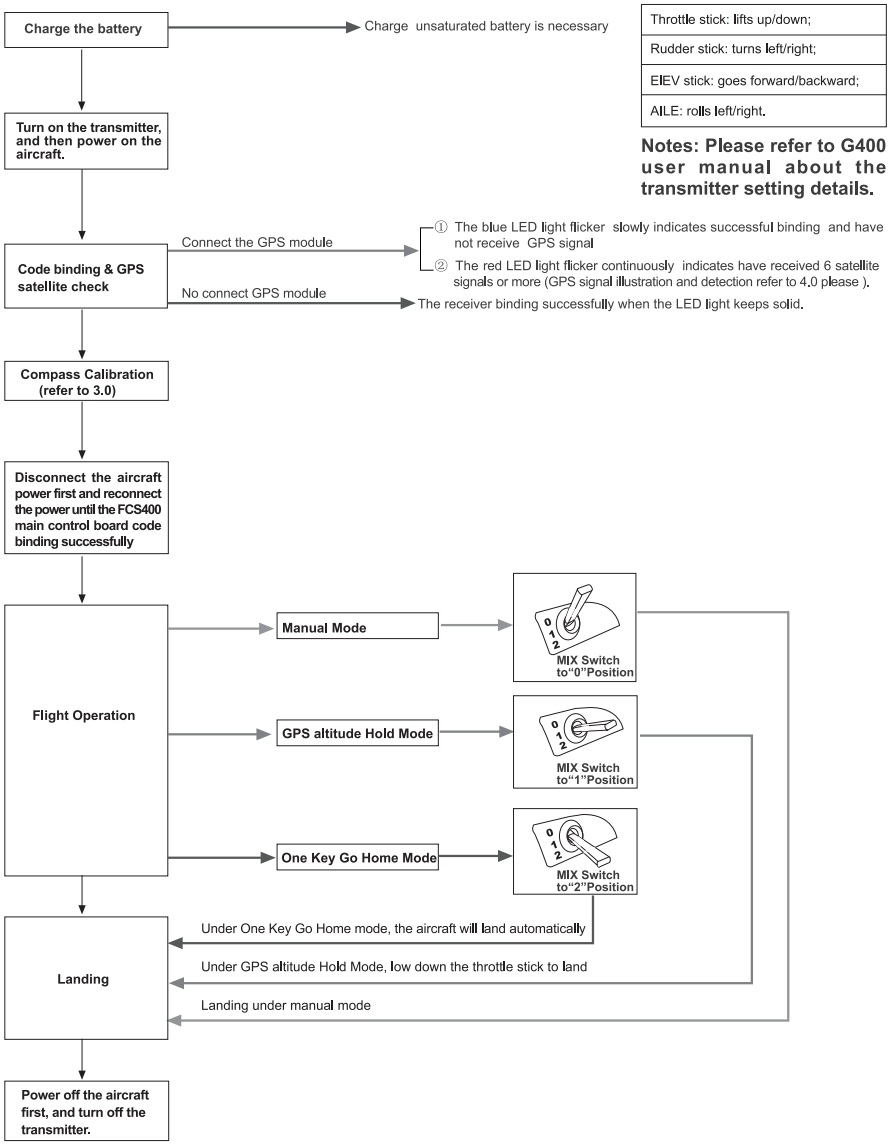
Walkera GPS G400 Flying Flowchart and Quick start Guideline

In order to help you learn the GPS function and master the operation fast, please read the quick start guidelines throughly .For more information, please read the instruction manual or guiding under a professional pilot.

1.0 GPS G400 Flying Flowchart

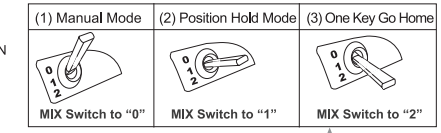


2.0 DEVO 7 Introduction(MODE 2:left throttle)

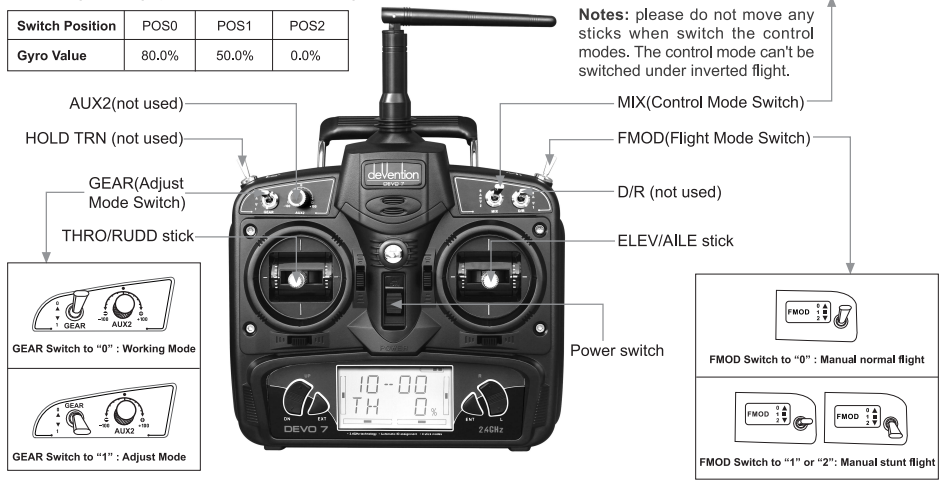
Gyro Sensor(GYRO)

Press UP or DN until GYRO item flash under Function interface. Press ENT to display the gyro mode setting screen. Press R or L to select MANU for manual setting. Press DN to display the control switch options, press R or L to select MIX. Press DN to display the switch position value. The first position is POS 0, press R or L to change the gyro value setting. Press DN to display POS 1 and POS 2. Set the values as per the table below. After finishing the settings, press ENT to confirm and EXT to go back to the main menu.

Switch Position	POS0	POS1	POS2
Gyro Value	80.0%	50.0%	0.0%



Notes: please do not move any sticks when switch the control modes. The control mode can't be switched under inverted flight.



Device Output(OUTPU)

Press the ENT button to enter the Main Menu, press UP or DN until "MODEL" starts to flash, then press ENT button to enter the Model Menu. Press the UP or DN button until "OUTPU" starts to flash, press ENT to the submenu of output.

(1) GEAR Setting: Press R or L to choose "**GEAR GEAR**"; Press DN and R or L to choose "**GEAR ACT**".

(2) AUX2 Setting: Press DN and R or L to choose "**AUX2 MIX**"; Press UP and R or L to choose "**AUX2 GYRO**", and press ENT to confirm. Press EXT to exit to the main interface.

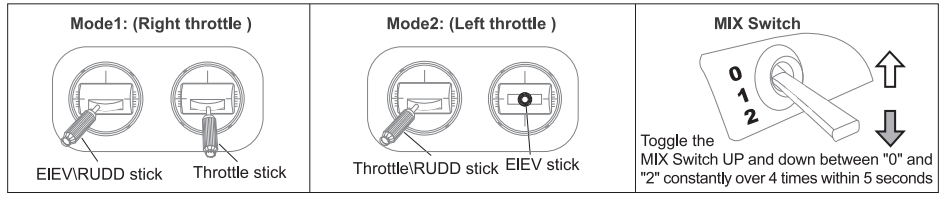
3.0 Compass Calibration

Notes: In order to protect yourself, please disconnect main/tail motor wires before compass calibration.

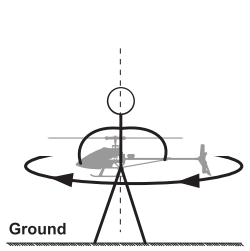
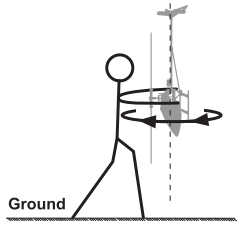
Please calibrate the compass when first flight, flying in circle and drift.

3.1 Compass Calibration

(1) Put the aircraft on a horizontal place and move the rudder stick to the far left side, then toggle the MIX switch UP and DOWN between "0" and "2" constantly over 4 times within 5 seconds until red LED flashes fast, it means the aircraft under calibration mode now .



(2) Slow uniform rotate the aircraft 360 degree or more at horizontal level until LED flashes blue quickly that means calibrate horizontal succeed. Then slow uniform rotate the aircraft vertically 360 degree or more until LED solid RED that means calibrate vertically succeed. Compass calibration finished.

Keep the aircraft horizontal, take the gravity direction as axle to rotate 360 degree or more horizontally.	Keep the aircraft nose vertically to the ground and take the gravity direction as axle to rotate 360 degree or more.
	

(3) Connect the aircraft battery again after the calibration.

3.2 Notes

(1) Please keep away from magnetic matrials area to calibration.

(2) Please recalibrate the compass when the vehicle is circled and drifted during the flying.

(3) Please recalibrate the compass if it is replaced or the vehicle position is changed.

(4) Please check whether there is a strong magnetic field nearby disturbing the compass if the calibration is failed constantly.

4.0 GPS Signal illustration and detection(GPS module has to be connected)

Under Manual mode(MIX switch to "0" position), when the LED red lights on lastly indicates receipt signal, the LED blue lights flicker indicates signal failed reception. Under Position Hold mode(MIX switch to "1" position), when the LED blue lights on lastly indicates receipt signal. Under one key go home mode(MIX switch to "2" position), when the blue and red lights flicker alternatively indicates receipt signal.

5.0 Position Hold

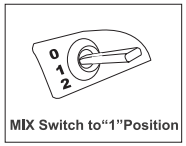
Here pre-conditions for Hold Position:

(1) The aircarft is under normal flight status and battery voltage is enough.

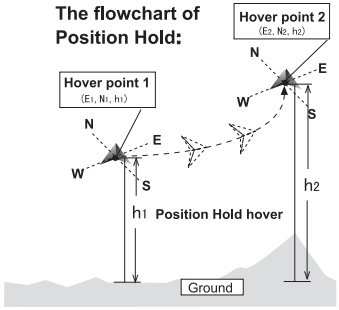
(2) GPS works fine and signal in good condition (detection refer to 4.0)

Operation Steps:

After hovering stably under manual mode, toggle the MIX switch to "1" position(Do not move any transmitter sticks), then it enters GPS Altitude Hold Mode.



The flowchart of Position Hold:



Note: Please begin the flight under manual mode and switch to Altitude Hold Mode after the aircraft hover stably, aircraft may drift up and down at this time, please push or pull the throttle a little bit properly.

6.0 One Key Go Home

Starting position is the place where the main control board finishes initialization and auto check before taking off.

Here pre-conditions for One Key Go-Home:

(1) The aircarft is under normal flight status and battery voltage is enough.

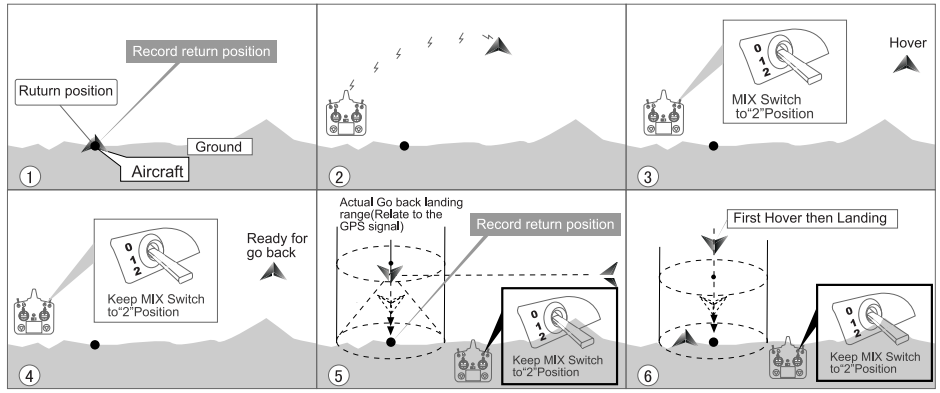
(2) The GPS works fine and signal in good condition(detection refer to 4.0).

(3) Aero crafts equipped with a certain flying height(above 20m is recommended) and homeward distance (above 30m is recommended)

Operation Steps:

After hovering stably under manual mode, toggle the MIX switch to "2" position (Do not move any transmitter sticks), then it enters One Key Go Home Mode.

The flowchart of One Key Go-Home



Note:

(1) Please take off in manual mode, then switch to one key go home mode after the aircraft is hovering stably (avoid unstable and dangerous status). Under one key go home mode, you can control the flying status by moving the transmitter stick (especially when the aircraft is hovering up on the original recorded place, kindly please push down the throttle stick or even push it down to the lowest point until the aircraft is landed).

(2) Suggest to turn MIX switch to "I" to get into alititde hold mode, and turn MIX switch to "2" to get into One Key Go Home mode.

7.0 Failsafe to Return & Landing

Failsafe to return and landing is a protection when the aircraft is out of control because of no signal. Failsafe to return and landing mode will be activated automatically when the signal is lost; Under the failsafe to return and landing mode, when the signal is received again, you can control the flying status by moving the transmitter stick (especially when the aircraft is hovering up on the original recorded place, kindly please push down the throttle stick or even push it down to the lowest point until the aircraft is landed).

If you want to change the control mode, kindly please turn the MIX switch to "2" position (if it is already on position"2", just keep it), then change it again to normal flying.