

Virtual Copilot

The virtual copilot will help you take great shots with your drone

It is designed to partially control the drone while you can still fly manually

Copilot functions:

Basic:



Automatic Yaw



Automatic camera tilt

Advanced:



Orbit



Cable Cam

To start Copilot, press the 3 Dot button then tap “Copilot”

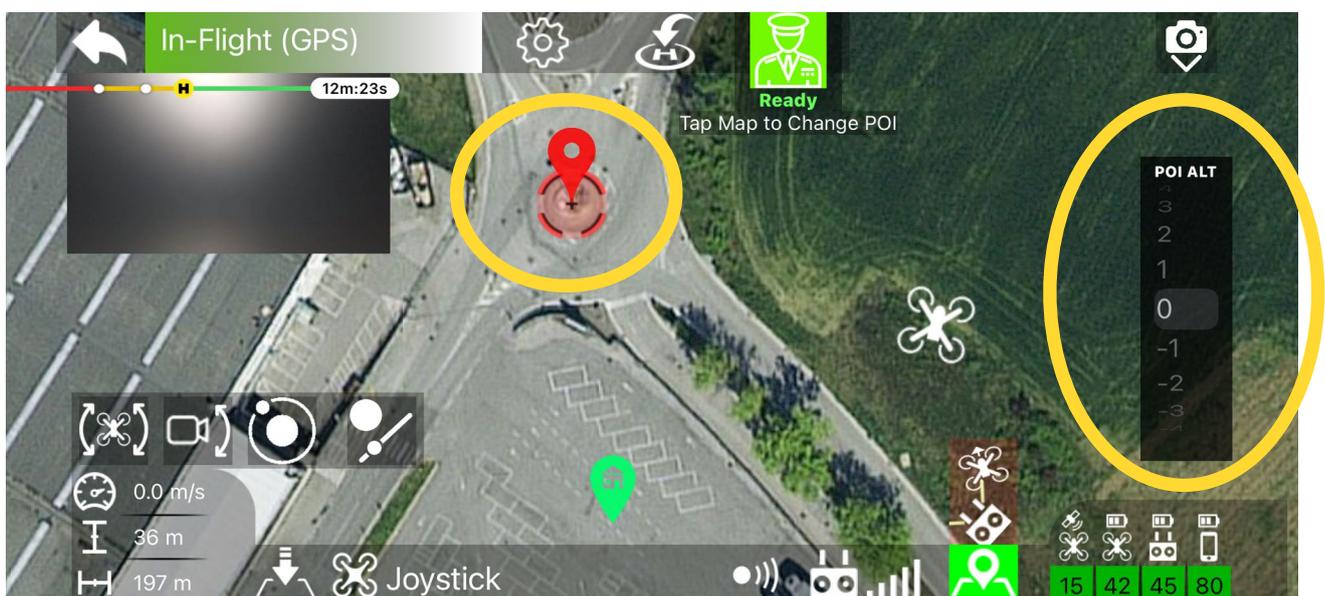


Once the Copilot is activated, a toolbar will appear where you can activate/deactivate all the functions



The main objective of the copilot is to help you frame a point of interest (POI), so you have to define one, this is very simple, once the copilot is activated, every time you touch the map you will update the POI. (to open the map view, tap the map button at the bottom right of the screen)

The POI will appear as a big red pin on the map, each time you can change the location by tapping on the map again, also you can adjust the altitude of the POI (relative to the take-off point) with the "POI altitude selector" on the right of the screen



Let's start using the copilot, the first basic function is "Automatic YAW", touch the relative button to activate.

Once the function is activated, the virtual copilot will take control of the drone's YAW and will always rotate it in the POI direction.



You can still manually fly the drone with the remote control, using the Pitch, Roll and Gas levers to take great shots of your POI.

Note: If you use the yaw stick, you will automatically disable "auto yaw" and regain FULL control of the drone

To fully automate the framing of the POI it is necessary to activate the "Automatic camera tilt". Now the co-pilot will also move the camera up and down to keep the POI in the center of the screen.



Note: Manually moving the camera with the remote control will automatically disable "Camera Auto Tilt"

Orbit

Orbit is a more advanced copilot skill,

To activate the orbit, simply press the relative button.



Don't worry, the drone won't start moving yet.

Once the orbit is activated, the speed is set to 0 (zero) and the radius is set to the current distance of the drone from the POI,

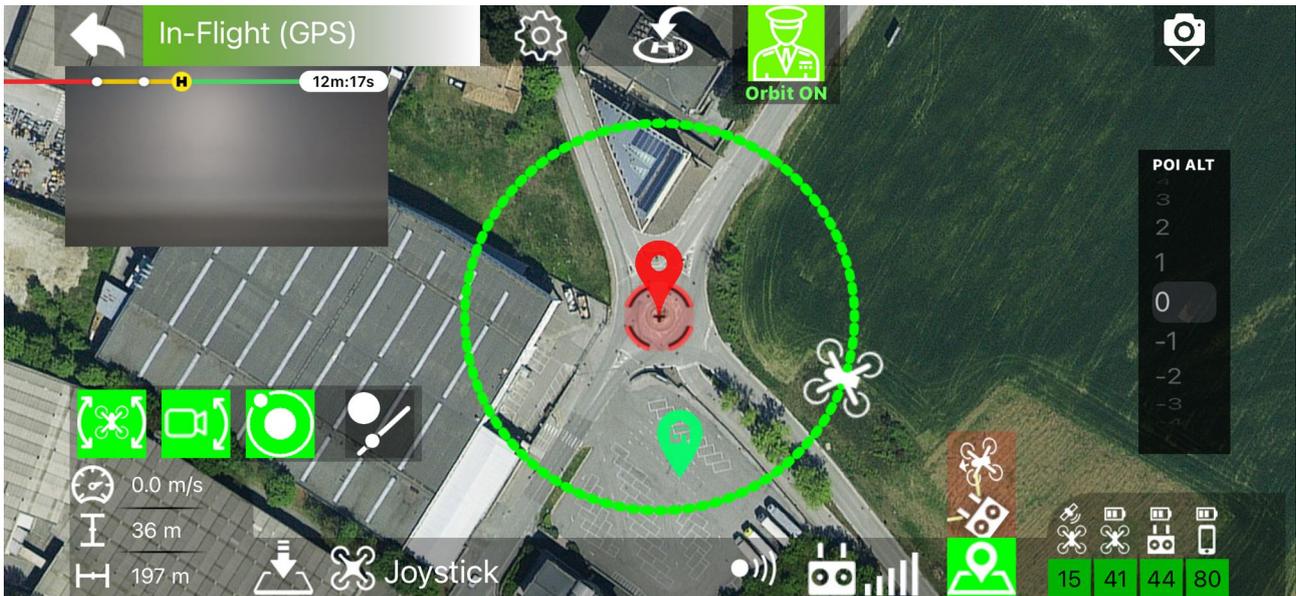
On the map you have the preview of the path of the orbit.

-You can now manually control the drone UP and DOWN only with the remote throttle stick.

-With the orbit it is mandatory "Automatic Yaw", deactivating it will also deactivate the orbit

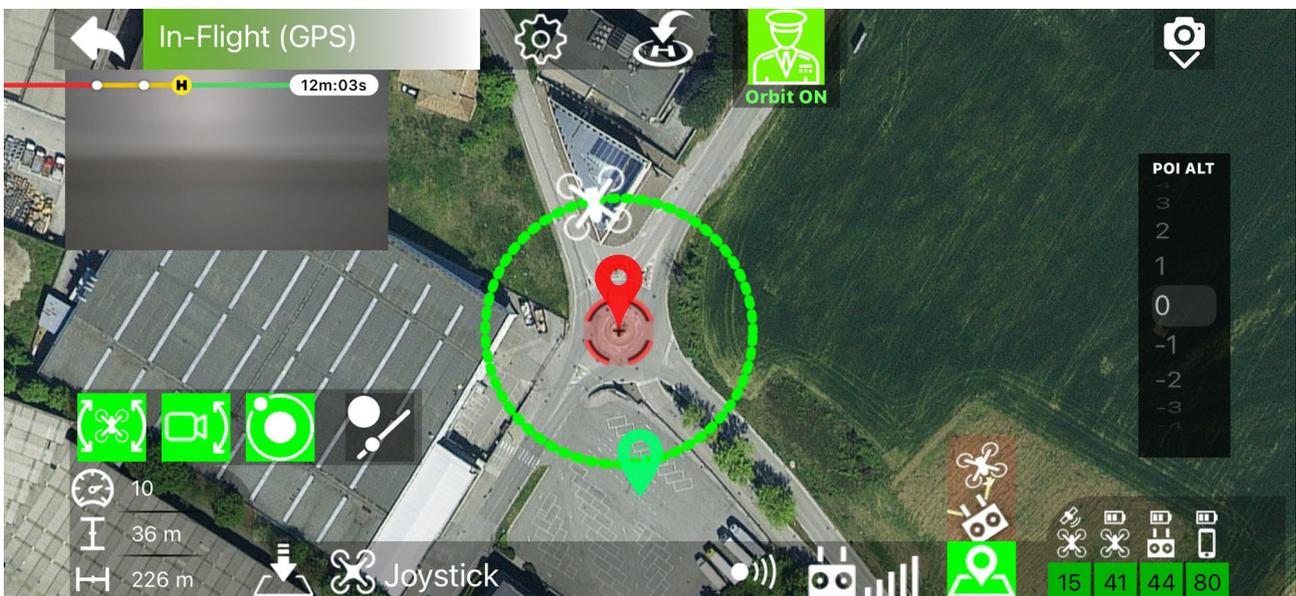
-Automatic camera tilt is optional

You can use the Pitch stick to change the radius of the orbit, pitch forward to lower the radius by 1m (3ft) at the time, pitch backward to increase the radius



the drone will automatically move to the new radius

To start the orbit use the Roll stick to select the speed, Roll right to increase the speed to the right (orbit counterclockwise). Roll left to decrease speed or orbit clockwise.



You can always manually control the altitude.

To stop orbit, you can slow down with the Roll stick, or tap the orbit button, or you can use the Yaw stick, (using the Yaw stick will disable "Automatic Yaw" and also "Orbit")

Cable Cam

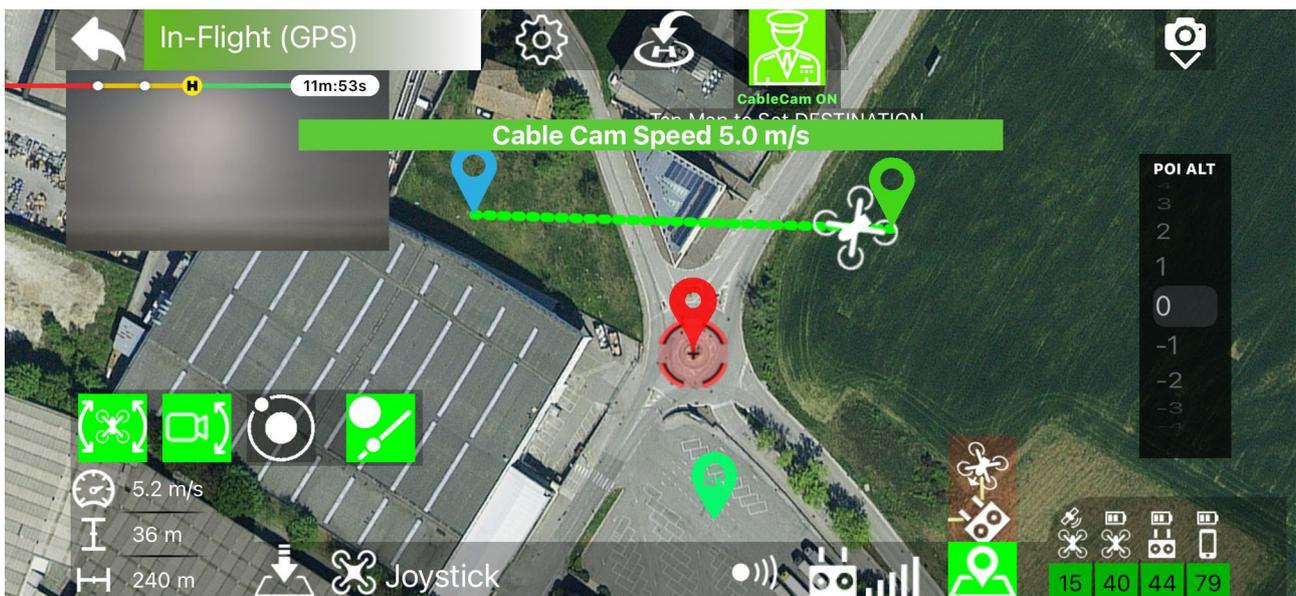
Cable cam is another advanced copilot skill. It will allow you to automatically fly the drone in a straight line while focusing on the POI



once the Cable Cam is activated, tapping on the map will not change the position of the POI, but will set the Drone Destination,

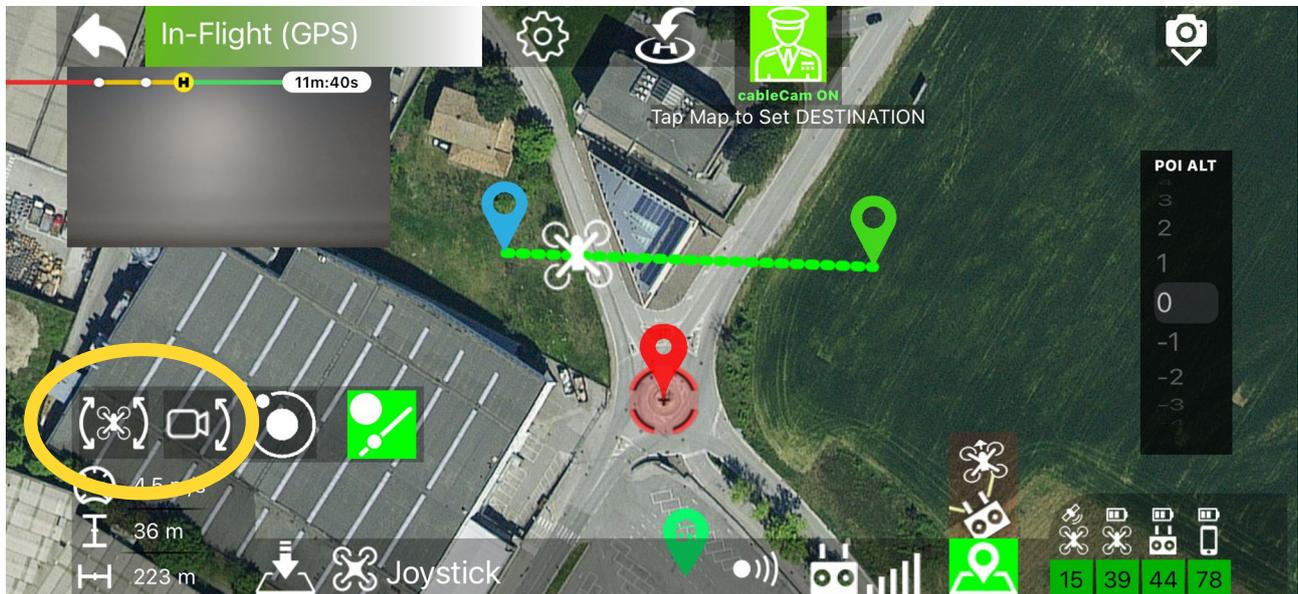
The preview to the route of the Cable Cam will appear on the Map, don't worry the drone will not automatically start moving.

To control the Speed (and thus start to move) pitch forward to gradually increase the speed, pitch backward to decrease the speed / move back on the cable line



with the Cable Cam you can always manually control the altitude of the drone with the Gas stick.

You can also manually yaw the drone, as unlike the “Orbit”, with “Cable Cam” the “Automatic Yaw” is NOT mandatory, so you have a great freedom on the cable cam for your shots



To stop the Cable Cam , you can slow down with the remote pitch stick , or tap on the Cable Cam button, or you can use the remote’s Roll stick.

When the drone reaches the end of the route, it will automatically slow down and stop, the cable cam is still active, if you want you can again increase the speed with the pitch stick in the opposite direction.

Notes:

- The Virtual Copilot can be used with the VPG function of the app, to do that just activate the VPG before the Copilot

- the Virtual Copilot cannot work properly with the APAS function activated, so APAS will be automatically disabled if necessary, the anti-collision sensors will still remain active to stop the drone in case of obstacles

Further functions may be added to the Virtual Copilot in future.