



# DroneSAR Pilot Feature List

**NB: Features in red are only available on the full DroneSAR software.**

## Set up & Pre-Flight

<b>Plan Mission</b>	Enter and choose from our range of automatic flight functions
<b>Free Fly</b>	Fly the drone using the transmitter only
<b>Settings</b>	Change default flight settings such as altitude, speed and RTH. <del>Enter team member details and arrange them into teams/groups.</del> Choose the type of display you prefer on the pilot interface (metric, Imperial, Decimal or Degrees/minutes/seconds)
<b>Custom Grid</b>	Move the grid dots to cover the intended search area. Choose drone speed, altitude and grid orientation
<b>Waypoint Mission</b>	Choose a linear mission for terrain line features. Choose drone speed and altitude
<b>Single Point 1</b>	Enter lat/long in decimal or degrees/minutes/seconds. Choose drone speed and altitude
<b>Single Point 2</b>	Enter a What3Words position by typing or using voice recognition. Choose drone speed and altitude
<b>RTH Mode</b>	Choose whether you would like the drone to Return to the home point or to remain in the hover on activation of the RTH function.
<b>Save Mission</b>	<del>Once the mission has been chosen, save the mission for areas that are regularly flown.</del>
<b>Drone Status</b>	Press the coloured status bar to show the drone systems prior to mission selection

## In-flight

<b>Return to Home</b>	Activate the RTH function and allow the drone to return home at a preset altitude
<b>Pause Mission</b>	This will end the current mission. The drone will hover and await further instruction.
<b>Drop Pin</b>	Drop a pin on the map to mark a point of interest. <del>This can be later flown to as a mission or as a 'replan' mission while the drone flies. The Drop Pins are also sent to the DroneSAR browser with camera image.</del>
<b>Hover</b>	The drone will maintain position. Deselect Hover mode to continue with the mission at the pre-selected speed.
<b>Declutter</b>	This button will only work when in video mode. It will clear the screen of any unnecessary information.
<b>Replan</b>	This function allows the drone pilot to replan another mission while in flight. Use the normal mission selection or choose from the Drop Pins that are on the map. This button will appear when pause mission has been pressed.
<b>Speed Slider</b>	Choose the speed of the drone as it flies. Reduce the speed to zero (along the dashed red line) or even into reverse. In reverse, the drone will still fly the selected pattern.
<b>Share location</b>	This function allows pilots to share the drone position and camera image <del>with pre-entered team members.</del>
<b>Stream</b>	<del>Stream the live video to the DroneSAR browser.</del>
<b>Field of View</b>	See the field of view which is related to the live camera view
<b>Cam Up/Down</b>	This will bring the camera into the FPV position to ensure there are no obstacles in front. Pressing the button again will bring the camera to the previous position.
<b>Pilot Chat</b>	<del>Text chat with those with the pilots from the DroneSAR browser. Pilots can use the quick reply system and reply with pre-entered text replies to minimise distraction during periods of high workload.</del>
<b>2-way Audio</b>	<del>Activate the audio channel to speak with the drone pilots from the DroneSAR browser.</del>
<b>Camera Settings</b>	All the camera functions are as per the DJI Go / DJI Go 4 app.
<b>Switch Map View &amp; Video View</b>	Toggle between having the majority of the screen being the drone map or the drone live video
<b>Stick Man</b>	When in video mode and with the camera pointing directly down. The DroneSAR stick man will appear to show pilots what size a 6ft person would look like at the flown altitude.
<b>Camera/Video mode</b>	Switch between recording video or capturing images
<b>View Images</b>	As the drone flies, view any of the image that were taken during the flight.
<b>Weather</b>	See the forecast conditions for the coming three days

