

# Parrot<sup>®</sup>



User Guide

# Content

## Before you begin

Download the software.....	3
Compatibility.....	3

## Using the QGround Control Software

Completing a flight plan.....	4
Modify the settings of a waypoint.....	6
Controlling the AR.Drone 2.0 during a flight.....	7

## General information

Modifications.....	8
Trademarks.....	8

# Before you begin

*Note: The GPS must be connected to your AR.Drone 2.0.*

## Download the software

You can download the QGround Control free software on this website:

<http://qgroundcontrol.org/downloads>.

## Compatibility

In order to use the QGround Control software, your computer (PC, Mac or Linux) must be connected to the internet.

# Using the QGround Control Software

## Completing a flight plan

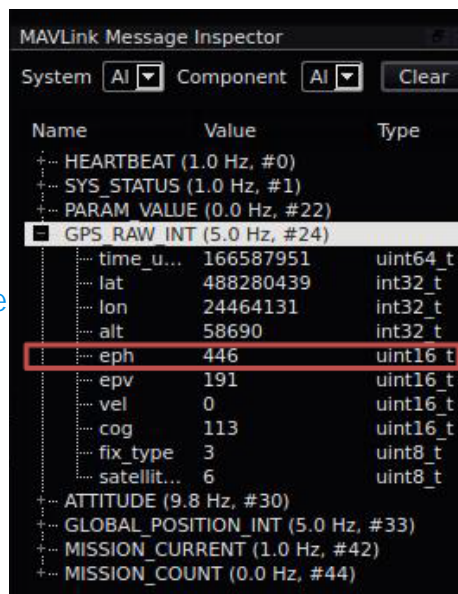
To complete a flight plan, you must preload the map from a computer connected to the internet.

1. Launch the QGround Control software.
  - > A map is displayed.
2. Look for the location where you want to complete your flight plan. To do so:
  - a. Click and drag the cursor to move on the map.
  - b. Use the bar located on the right of your screen to zoom in/out.

*Note: Once the map pre-loaded, you don't need to be connected to the internet.*

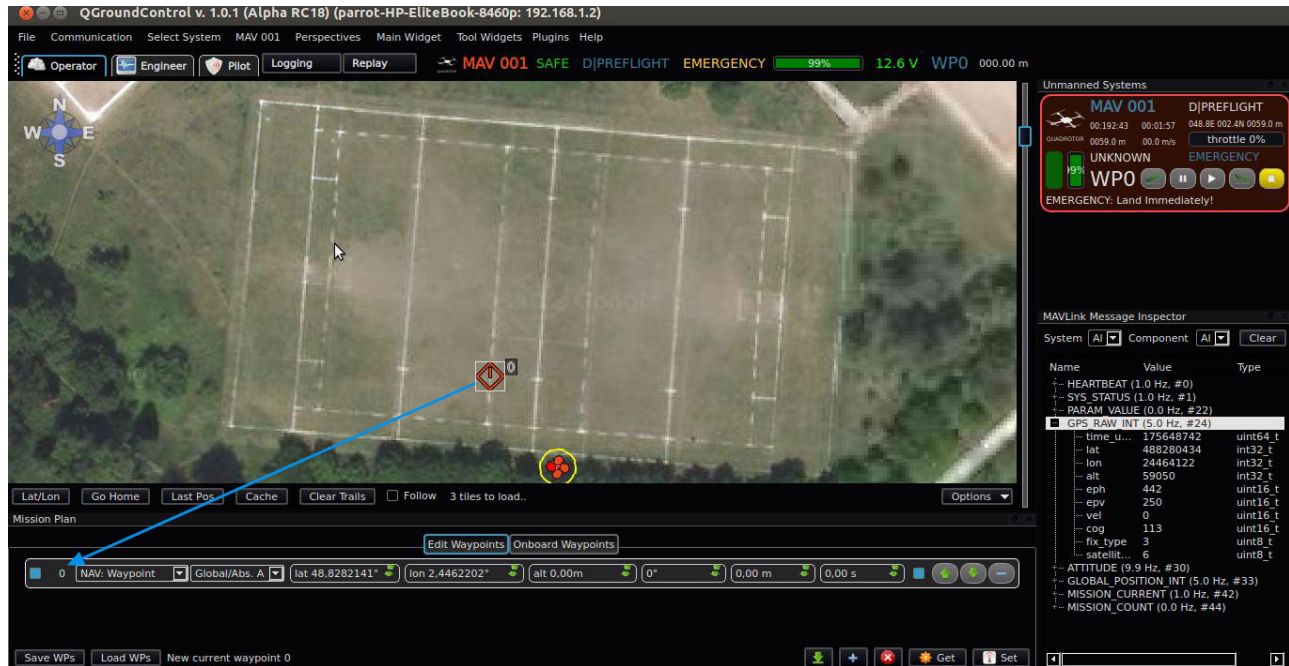
On the location of the flight plan:

1. Launch the QGround Control software.
  - > The pre-loaded map is displayed.
2. Connect your computer to the AR.Drone 2.0 via Wi-Fi.
  - > The AR.Drone 2.0 appears on the map.
3. Click on [Tool Widgets](#) and select [MAVLink Message Inspector](#).
  - > A window is displayed on the right of your screen.
4. Make sure that the [EPH](#) value is less than 1000.



5. Double-click on the map to create waypoints.

> The waypoint created is displayed at the bottom of your screen. The latitude and longitude are automatically generated.



6. Click on **SET** to create the flight plan and on **GET** to confirm it.

7. Click on the **Take Off** button .

> You can control your AR.Drone 2.0. For more information, refer to the [Controlling the AR.Drone 2.0 during a flight](#) section.

*Note: If the EPH value is more than 1000, move your AR.Drone 2.0.*

## Modify the settings of a waypoint










Bouton	Signification
1	Number of the waypoint
2	Type of the waypoint
3	Latitude of the waypoint (automatically generated)
4	Longitude of the waypoint (automatically generated)
5	Altitude of the waypoint
6	Orientation from North (in degrees) of the AR.Drone 2.0
7	Area (in meters) around the waypoint the AR.Drone 2.0 must reach before heading towards the next waypoint
8	Length of time (in seconds) during which the AR.Drone 2.0 stays in the area of the waypoint
9	Changing the number of the waypoint
10	Delete the waypoint

*Note: To modify the maximum altitude of the AR.Drone 2.0, set to 3m by default, use the free application Free Flight (available on the App Store<sup>SM</sup> and on Google Play<sup>TM</sup>).*

# Controlling the AR.Drone 2.0 during a flight

The interface located on the right of your screen allows you to control the AR.Drone 2.0.



Boutons	Signification
	Battery level of the AR.Drone 2.0
	Waypoint where the AR.Drone 2.0 is (WP0, WP1, etc.)
	Take Off
	Pause
	Restart of the AR.Drone 2.0
	Landing
	Emergency landing*

*\*Warning: Press the button only in case of emergency ! If you press the button, the engines will shut off and the AR.Drone 2.0 will fall out of the air. In most cases, landing the AR.Drone 2.0 is a better solution.*

# General information

## Modifications

The explanations and specifications in this guide are given for information only and may be modified at any time without prior notice. The explanations and specifications contained in this guide are deemed to be correct at the time of printing.

Although the utmost care has been taken when writing this guide, in order to provide you with information which is as accurate as possible. Parrot shall not be held responsible for any consequences resulting directly or indirectly from the use of the information herein.

Parrot reserves the right to amend or improve this user guide without any restrictions and without any obligation to notify users.

## Trademarks

Parrot and the Parrot logo are registered trademarks of PARROT SA; AR.Drone 2.0 is a trademark of Parrot SA;

The Wi-Fi Alliance Member Logo is a logo of the Wi-Fi Alliance.

Wi-Fi ® is a registered trademark of the Wi-Fi Alliance.

App Store is a trademark of Apple Inc.

Android is a trademark of Google Inc.

All other trademarks mentioned in this guide are protected and are the property of their respective owners.

Copyright © Parrot 2013. All rights reserved.

Parrot®