FLYABILITY

# ELIOS 3

## January release notes

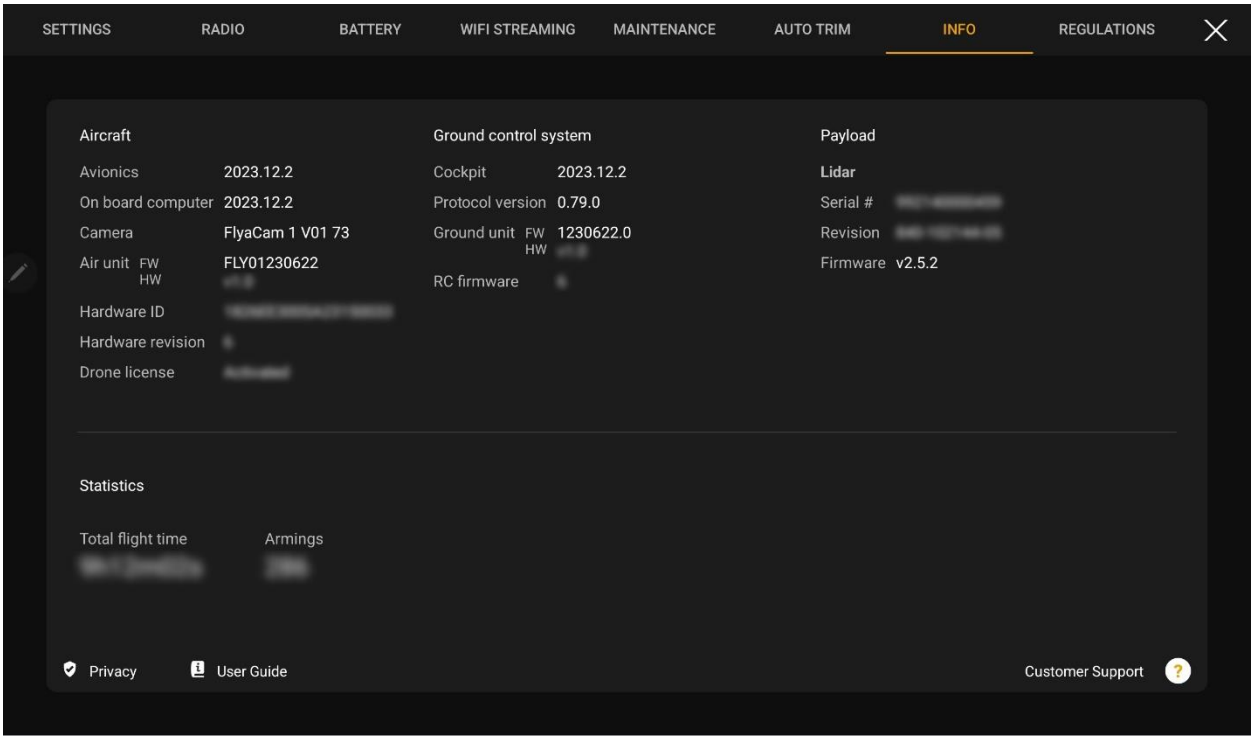
Bug fixes, new features and known limitations

February, 2024

# Updated E3 components versions

**NEW :** Drone firmware: gaston_2023.12..2

**NEW :** Cockpit software: Flyability-Cockpit-2023.12.2-release.apk



# What's new?

## New Regulation Tab:

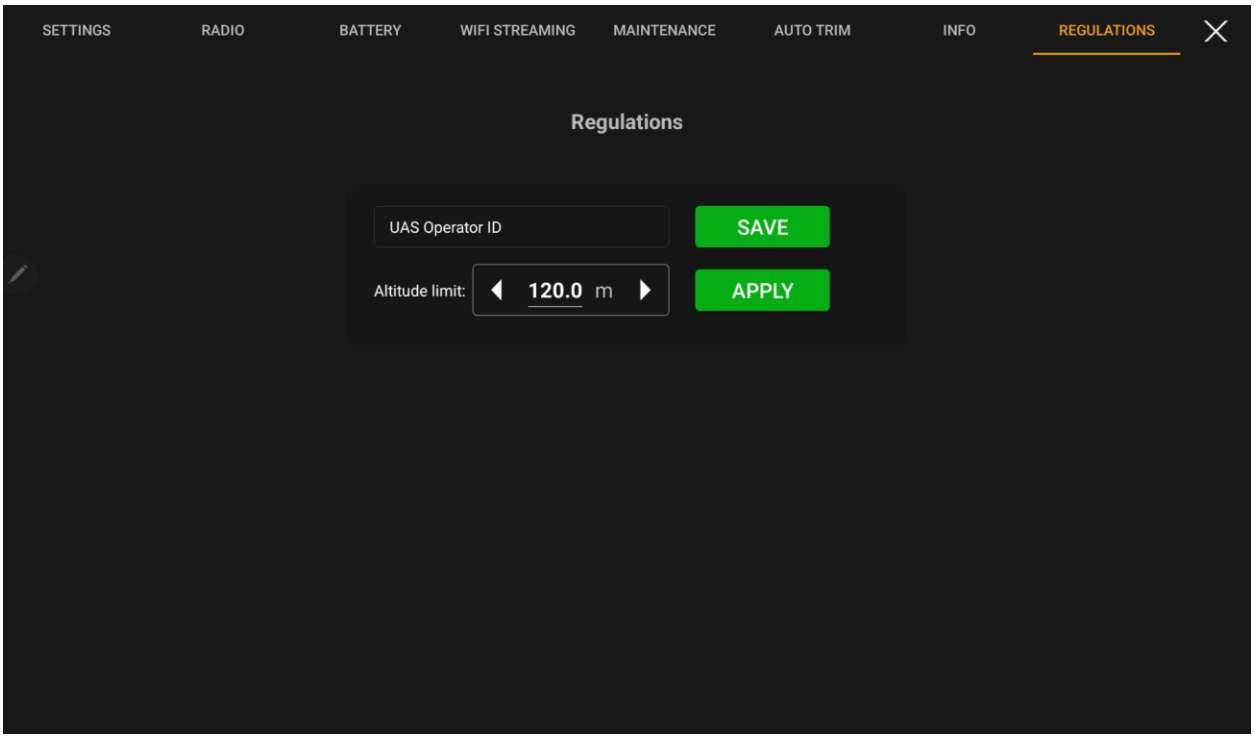
The European Outdoor Drone regulation is now active. Elios 3 drone can be operated in the Open A3 subcategory as placed on the market before the 31 of December 2023.

Operations in the Specific Category can also be conducted.  As part of the requirements to fly in the Specific Category, Elios 3 is now built with an embedded Remote ID.

Learn more about the European drone regulation and Elios 3 embedded Remote ID on the knowledge base: [https://knowledge.flyability.com/elios-3-eu-outdoor-regulation](https://knowledge.flyability.com/elios-3-eu-outdoor-regulation)

When Flying Elios 3 with embedded Remote ID, within the European air space, then the following Regulation tab is available with:

1. UAS Operator ID (also known as Pilot ID)
2. Altitude fence (altitude limitation).

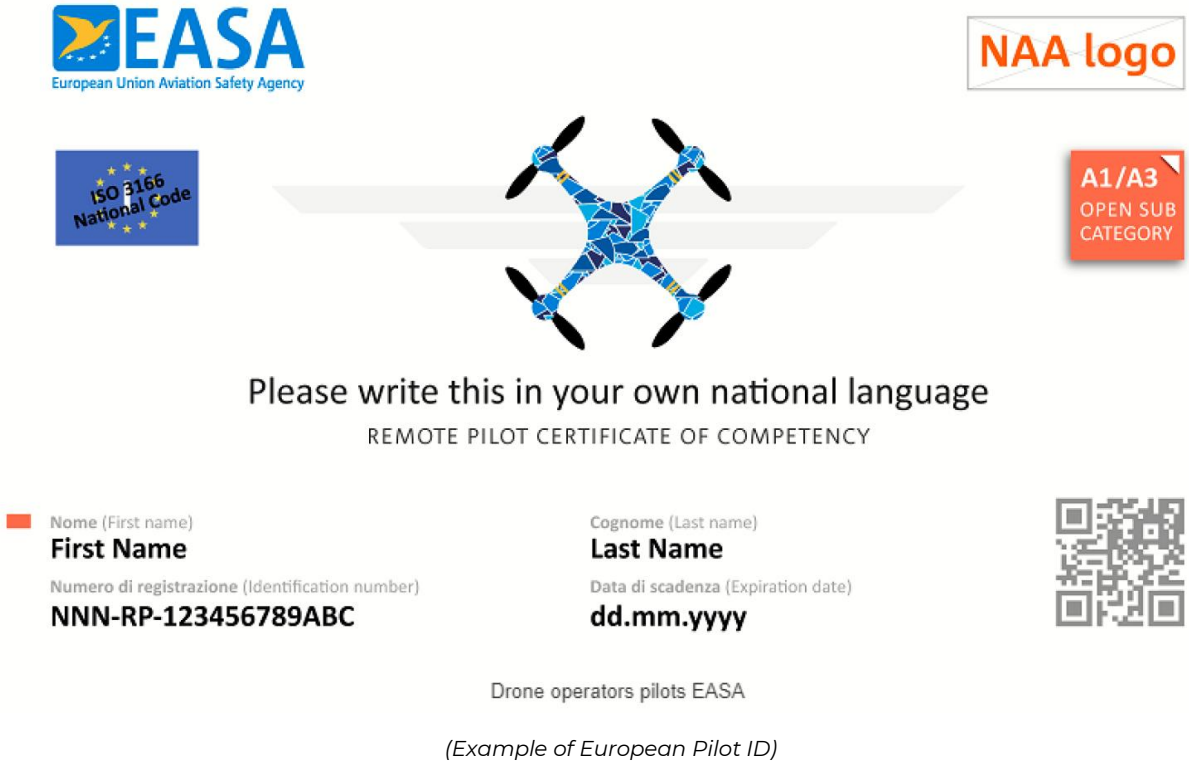


**1. UAS operator registration number (OPRN) or Pilot ID:**

The Pilot has to enter its European identification unique number in the regulation tab. The number is entered in a dedicated field and Cockpit will check the validity of the entered ID.

The Pilot ID can be changed every time a new pilot is using the drone.

Format: NNNxxxxxxxxxxxx-xyz (example: FIN87astrdge12k8-xyz)




*(Example of European Pilot ID)*

**2. Altitude Fence:**

Flying a drone outdoors in Europe is limited to an altitude of 120 meters in Open Category.

Cockpit will set by default the altitude fence to 120m.

The altitude is verified through the barometric sensor. The reference altitude is set at the take-off and then measured up to 120 meters. When the maximum altitude is reached, the drone will not climb over.

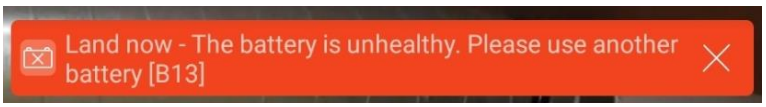
It is not possible to change the altitude while flying the Elios 3

For indoor or Specific Category purposes, it is possible to set the altitude to higher values. It is the responsibility of the Pilot to set the altitude properly.

# New battery health warning in Cockpit to prevent SOC drops during flight

A new, red warning message has been added (B13) in Cockpit that will warn the pilot pro-actively during the flight whether the battery is behaving badly and risks having a drop in state of charge estimation as shown in the remaining battery percentage indicator in Cockpit.

This warning intends to warn the pilot with sufficient time to land the drone before an actual drop in power from the battery occurs.

If you face this warning. Please land the drone as soon as possible and stop using the battery.

Contact customer support immediately to have your battery analyzed and have it replaced under warranty if needed.