

## Aeryon Scout Emergency Procedures

Aeryon has established a system of actions that the Scout UAS will perform in the event of a malfunction/emergency. They range from a simple warning indication on the command station to shutting down the motors. Should an unforeseen situation arise, the pilot has the option to terminate the flight by shutting down the motors, perform a normal landing at its present position or return home. Ultimately the emphasis is on safety of others more than meeting mission goals or attempting to land the UA with minimum damage. Given the low altitudes this system operates it should have a minimum impact on ATC operations however, ATC will be notified as appropriate and advised what flight actions are being performed to resolve the emergency.

The Aeryon Scout has some built in emergency/safety procedures. If the blades receive pressure from an opposing source (such as a hand, head, windshield etc) all four motors will shut-off. Upon receiving more than 2 lbs of pressure, the motor arms including the blades, and the legs will separate from the UA and all motors stop. If one motor fails, and it will shut all motors off when a 30 degrees tilt is achieved to reduce speed of descent. Motors will not turn on if the UA senses motion.