

Launch/Recovery Description

The Maveric UAS normally utilizes a “hand launch” procedure to begin flight. The aircraft is readied for flight and upon the launch order the system enters a countdown phase. Upon entering this phase the aircraft will command launch RPM. The operator holding the aircraft then hand launches the aircraft into the wind and a successful launch would see the aircraft immediately climb to pre-determined altitude.

The Maveric UAS utilizes a “deep stall” belly landing procedure for recovery. The aircraft is brought down from altitude in a stepped decent to arrive at a predetermined altitude/location into the wind. This location depends on the amount of wind measured. Upon reaching this predetermined location the operator commands a “deep stall.” The aircraft ceases to power its motor and assumes a flaring attitude. The aircraft hereto enters a “deep stall” and belly lands upon the chosen location.