

Lost Link Procedures

- The Piccolo autopilot continuously monitors the status of communication with the ground station. When it detects a loss of link with the ground station it goes into lost link mode and will command the vehicle to an operator pre-programmed lost link waypoint. **The lost link waypoint is located at Latitude 43 degrees 15 minutes 04 seconds north and Longitude 106 degrees 11 minutes 27 seconds west.** The operator can also program the Piccolo to execute an auto-land sequence in the event that communication is not restored within a set period of time. The idea is that in the event communication with the Piccolo is lost and never re-established the Piccolo will safely bring the vehicle back to the ground.
- If there is a failure of the Piccolo lost link functionality during a lost link situation, the PIC will terminate the flight using the fully redundant flight termination system.
- Additionally, the Piccolo will automatically terminate the flight if the vehicle crosses a pre determined geographic boundary.