

Lost link procedures

In the event that that RMAX loses its 900 MHz communications with the ground control station (GCS), one of two things will happen. If the safety pilot does not select manual control on the RC transmitter, the helicopter will revert to a safe mode and fly directly to the home GPS waypoint (Lat 37:11.58N, Long 80:34.58W). At this point, if 900 MHz communications are regained, the helicopter can be operated in assisted mode to execute a landing. If 900 MHz communications have not been established, the RC transmitter can be used to revert the controls to manual 72 MHz control. A manual landing can then be executed. If the safety pilot takes immediate control of the aircraft when a loss link signal is observed on the GCS, the pilot will be able to maneuver the helicopter back to its home GPS waypoint and execute a safe landing. Figure 1 shows the link status indicator on the GCS.

Since the flights requested in this COA will not exceed 500 feet from the take-off point, there will be no time during the flight where manual control cannot be regained. The pilot should have no problem operating the helicopter from a 500 foot distance and 200 foot altitude using visual references.

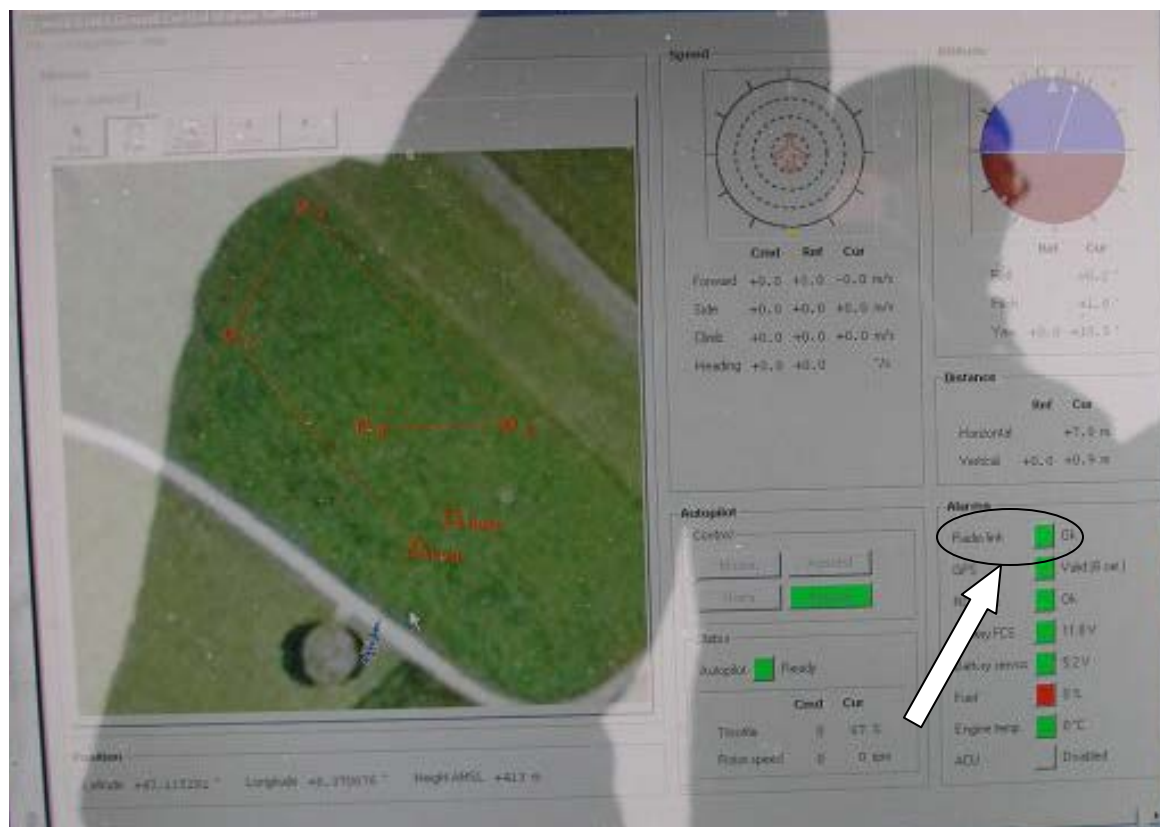


Figure 1 – the wePilot GCS showing the radio link status