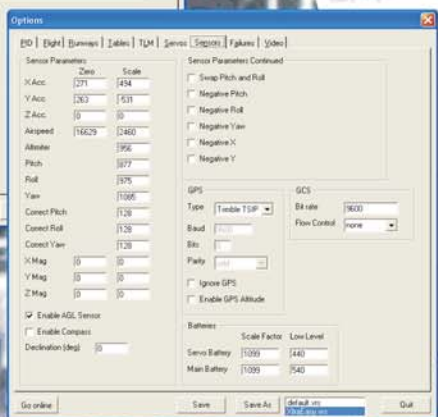
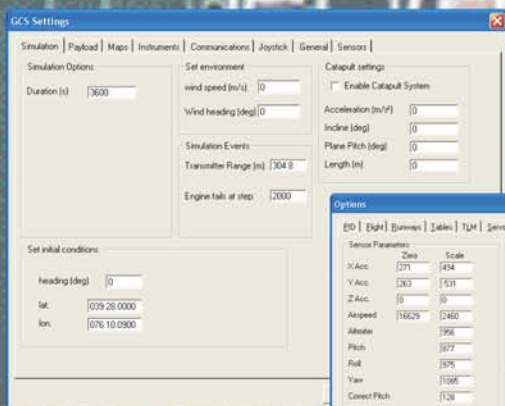
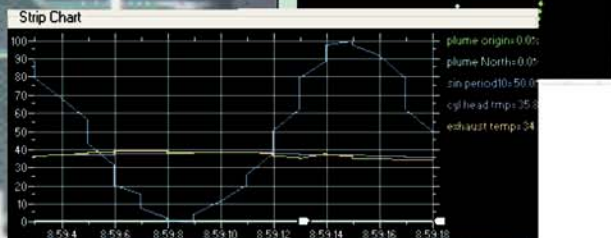
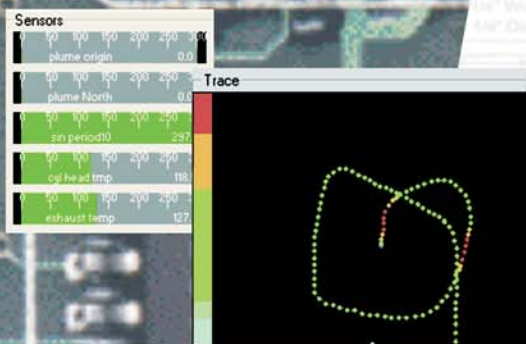


HORIZON^{mp}

Ground Control Software

MINIATURE UAV AUTOPILOTS



The HORIZON^{mp} ground control software is included with the MicroPilot autopilots and offers a user friendly point and click interface. Developed by MicroPilot specifically for the MicroPilot autopilots, the HORIZON^{mp} runs on a Windows computer or laptop. The HORIZON^{mp} allows the operator to monitor the MicroPilot autopilot, change waypoints, upload new flight plans, initiate holding patterns and adjust feedback loop gains all while the UAV is flying.

The MicroPilot autopilots, coupled with the HORIZON^{mp} will get your UAV project off the concept page and into the air autonomously.

INFORMATIVE

The HORIZON^{mp} allows both the UAV developer and the end-user to access critical information in real-time. Up to eight user-defined sensors can be configured and displayed in three formats:

- current sensor values are displayed in an easy to read gauge format. Warning and danger levels can be set for each gauge.
- the strip chart graphs sensor variations over time
- the trace route displays sensor data variations along the UAV's flight path

Data from the MicroPilot autopilot is also recorded for post-flight analysis.

CONFIGURABLE

The HORIZON^{mp} offers superior configurability for the UAV developer:

- user configurable payload buttons and sliders initiate holding patterns and control servos
- supports multiple laptop screen resolutions
- features can be enabled or disabled according to the application and user requirements

The HORIZON^{mp} accommodates both the end-user and the UAV developer.

USER FRIENDLY

The HORIZON^{mp} is specifically designed for ease of use:

- point and click waypoint editor / mission planner
- mission simulator for testing and training purposes
- user definable units (Imperial / Metric)
- RPV mode overrides navigation for more flexible reconnaissance
- user friendly ergonomic layout
- large map area
- extensive online help and tool tips

The combination of the mission simulator and user-friendly design will accelerate the learning curve for the UAV developer and simplify roll-out to the end user.

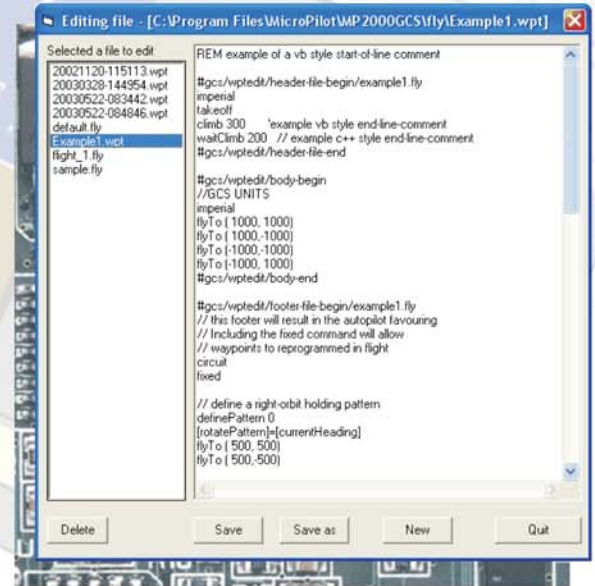


CAPABLE

The HORIZON^{mp} is a proven, capable and effective tool:

- inflight mission reprogramming
- joystick interface
- inflight gain adjustment
- multiple UAV profiles
- communication options support a wide range of radio modems
- user definable holding patterns
- target altitude and speed can be changed in flight
- telemetry logs indexed by time and video frame number

The combination of the MicroPilot autopilots and the HORIZON^{mp} speeds your development time and gets your UAV off the ground quickly and with minimum risk. Together the MicroPilot autopilots and the HORIZON^{mp} give your UAV the capabilities it needs to exceed all expectations.



Context Sensitive
Online Help

Multi UAV
Capabilities

Video Capabilities
Including Snap, Start
and Stop Images

Mission Simulator
Supports Multiple
Missions

User Friendly
Ergonomic Layout

Supports Multiple
UAV Profiles

Large Map
Area

User Defined
Payload Buttons

Point and Click
Waypoint Editor

Inflight Gain
Adjustments

Easy to Read
Instrument Cluster
& Status Gauges

