**Hold Rocket Stable. Sample sensors to determine initial conditions & gyro offsets**

**Override User Input for key parameters**

**Signal Solid Beep for user determined length**

**Await Launch Detect. Signal continuity continuously**

**Launch Detect**

Yes

No

**Calibration Mode: Beep 20 times, then hold beep while sampling sensors for 30 seconds. Unit must be held perfectly still and vertical**

**Button pushed again?**

**Detect magnet**

Yes

No

Yes

No

Yes

No

**Detect touchdown or timeout**

**Integrate sensor data. Activate events. Record data.**

**Magnetic Switch Enable?**

**Test-Mode button held?**

**Beep Out: Main Deploy Alt Last Flight Alt Battery Voltage**

**Wait until magnet is sensed, beep out continuity**

**Signal Series of 7 beeps indicating Test-Mode activation**

**Startup Sensors and Read user Settings**