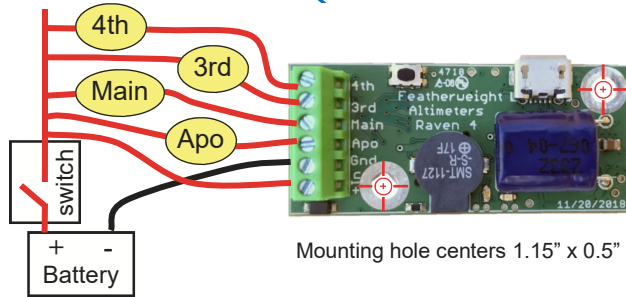


## Raven4 Quick Start Guide

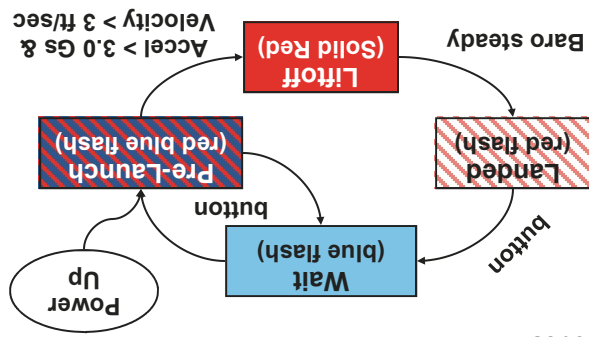


### Default Output Program:

**Apogee:** Baro-based altitude decreasing, accel-based upward velocity < 400 mph for Mach immunity.  
**Main:** Altitude > 700 ft, altitude decreasing,  $V < 400$  mph.  
**3rd:** Accel-based apogee detection + 2 seconds, for backup apogee charge.  
**4th:** Backup Main. Same as Main but altitude < 480 ft.

Use the Featherweight Interface Program (FIP) available at [www.featherweightaltimeters.com](http://www.featherweightaltimeters.com) to customize output logic for your application.

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Modes:

**Power-Up:** Battery voltage in volts.  
**Wait Mode:** Last Apogee, in feet, starting with 10,000 feet place. Low-pitched beep = 0 feet.  
**Pre-Launch:** High beep = connected charge. Single low beep indicates no continuity or unit not upright.  
**Landed:** Apogee, in ft. To replay, change rocket tilt.  
 See [www.featherweighttimers.com](http://www.featherweighttimers.com) for user's manual and the Featherweight Interface Program.

**Beep Explanation:**  
**Installation:** Mount either end up. Battery voltage between 3.6V and 16V. Outputs o.k. up to 20 Amps.