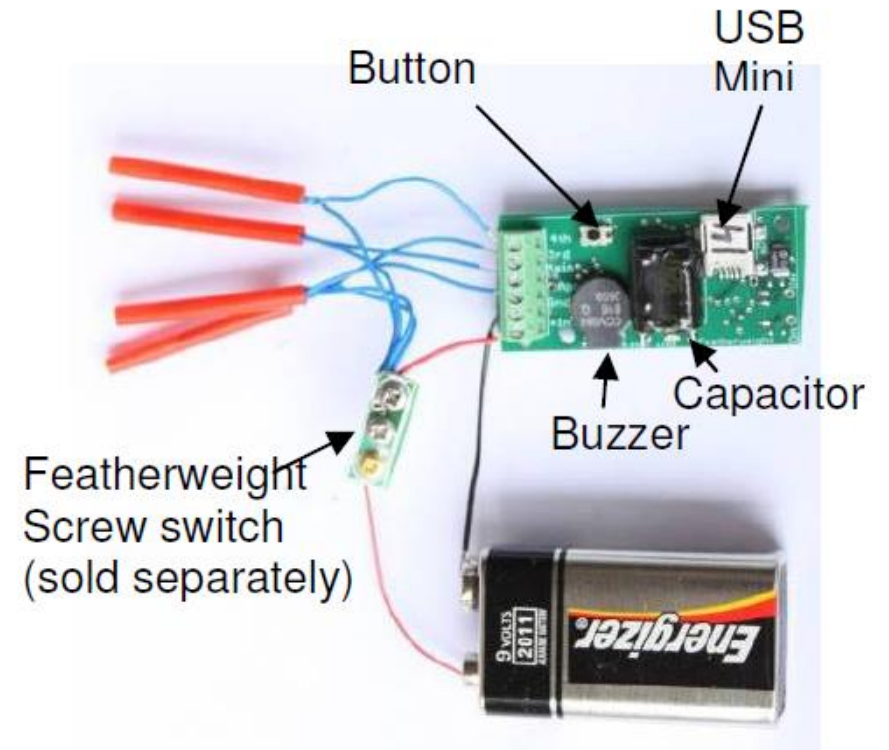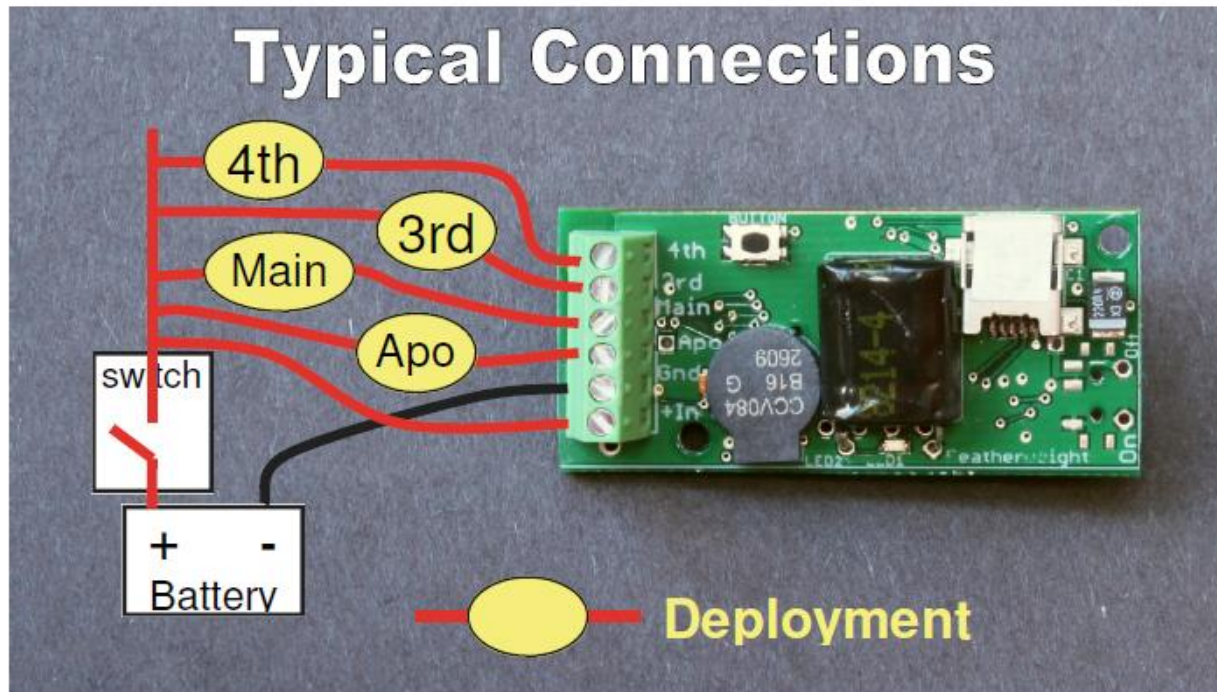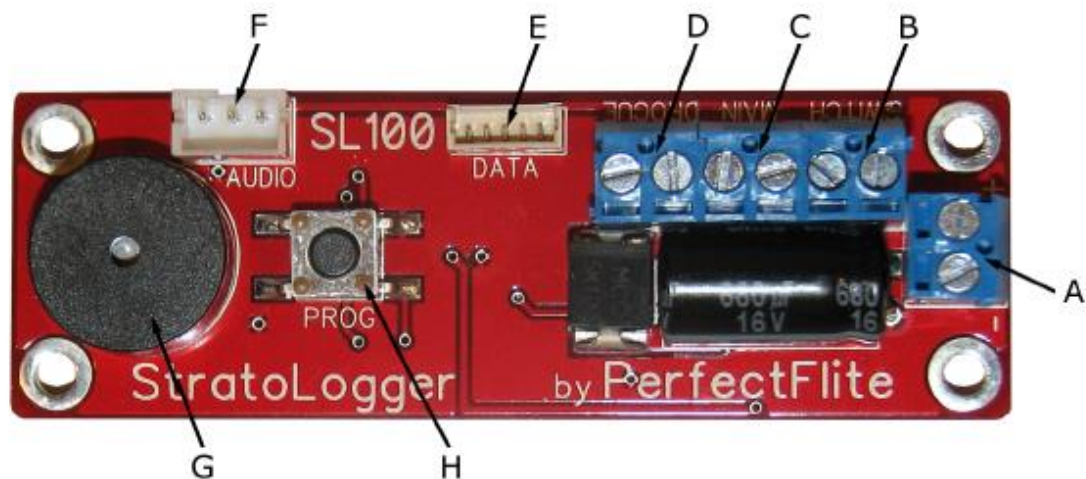## Deployment Connections:

The following diagram and picture show how to connect the Raven for deployments, using a single switch that turns on the unit and arms the deployment charges:
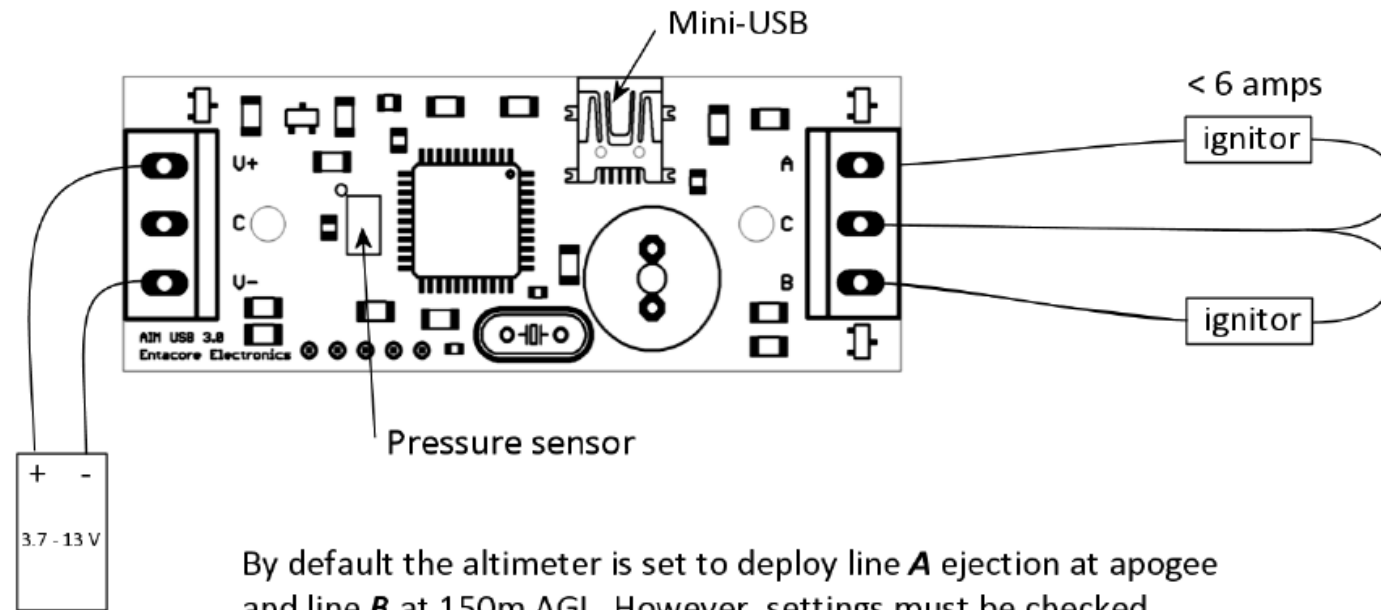
Parts Identification

Refer to the picture below to locate the following items:

A) **Battery Terminal Block:** Connect a 4 volt to 16 volt power source here. A 9V battery clip is supplied, connect red to "+" and black to "-". *Polarity (+/-) must be correct or altimeter will not power up. Reverse polarity will not damage the altimeter.*

B) **Power switch Terminal Block:** Remove factory supplied jumper and connect a power switch here. *Must be connected to an external switch or shorted with a jumper or the altimeter will not power up.*

C) **Main Ejection Output Terminal Block:** Connect to the electric match for the main deployment charge (if used), or leave unconnected otherwise. ***DO NOT SHORT CIRCUIT!***

D) **Drogue Ejection Output Terminal Block:** Connect to the electric match for the drogue/apogee deployment charge (if used), or leave unconnected otherwise. ***DO NOT SHORT CIRCUIT!***

E) **Data I/O Connector:** For connection of the optional data transfer kit or user-supplied in-flight telemetry equipment.

F) **External Audio Connector:** For connection of an optional remote beeper or LED.

G) **Beeper:** Audibly reports settings, status, etc. via a sequence of beeps.

H) **Preset Program Button:** For selecting and modifying the 9 user settings presets (see pages 20-22).

Hardware Installation

Mini-USB

< 6 amps

ignitor

ignitor

U+

C

U−

AIM USB 3.0
Entacore Electronics

A

C

B

Pressure sensor

+   −

3.7 - 13 V

By default the altimeter is set to deploy line **A** ejection at apogee
and line **B** at 150m AGL. However, settings <u>must</u> be checked.

Figure 2.1: Standard configuration