

Thank you for purchasing the CanSat Kit. This kit contains all the parts required to assemble a complete CanSat except for the soda can.

The CD contains all the needed software and lessons to complete to fully assemble the cansat kit and program it.

### **Kit Contents:**

1. Cansat kit
2. Parachute
3. CD
4. USB cable
5. Cansat programming adapter

### **CD Contents:**

agw/ - directory containing the packet modem software for a PC running windows. This is a free public domain program. More information can be found at [www.raag.org/sv2agw/inst.htm](http://www.raag.org/sv2agw/inst.htm)

Arduino Software/ - directory containing the software development tool. This is a free public domain program. More information can be found at [www.arduino.cc](http://www.arduino.cc)

Lessons/ - directory containing the lessons.

cansat\_example/ - example program for the cansat

### **Tools needed:**

1. Phillips screw driver
2. Needle nose pliers
3. Electrical tape

### **Warnings:**

1. When opening the top of a soda can, use a manual can opener. The cheap can openers work well.
2. Do not cut soda cans with knives or with sharp blades. Use a can opener.
3. Have an adult open the top of the soda can.
4. Be careful not to plug the battery in backwards. It may cause damage.
5. When launching the cansat, do not try catching the cansat when it comes down.
6. Follow all NAR and Tripoli rocketry safety rules.

### **Installing Arduino**

Installing the software is simple. Unzip the file into a directory location you prefer. You can then run the program by double clicking on the "RUN" icon. To configure, select the tool menu and the serial submenu. Select the appropriate COM port.