



# Roctronics

## Components

Controller board  
Sensor board  
Harness board  
Memory board  
Aux. output board

## Applications

Dual Deployment  
Descent rate deployment  
R/C backup  
Data Logger  
Timer

Web address:  
<http://www.pmcserv.com/Roctrronics/>

Join the discussion:  
<http://groups.yahoo.com/group/roctrronics/join>

Email:  
[robert@dehate.com](mailto:robert@dehate.com)



## Roctrronics flies at NYPOWER 2002!



Roctrronics will make its first public appearance at NYPOWER 2002. This is the culmination of an ongoing group project that will continue to grow. If you would like to be part of this team there is info within. If you want to see the boards in action just look for Robert DeHate's Terrier/Sandhawk flight where it will be used for the primary recovery system in the Sandhawk. It will also be flying in his Hyfly for dual deployment recovery on Hypertek 54mm I and J motors.

Robert DeHate will be onsite so feel free to ask about the project. If you would like to see the units they will be available but it will depend upon the schedule since if they are buttoned up in the electronics bay they will be a bit hard to see.

### Coax Connectors

You can also find some info on using coax connectors in your rockets. These have been employed as on/off switches and as ejection charge holders. Just ask Robert to see one and you too might just find a project calling for their use.

## About Roctrronics

Roctrronics is a group project with all the information online. It is meant to be a forum for creating new and exciting electronics controllers. This allows you to use your skills, be them electronics or programming, to enhance that part of the project. The basic design is a modular system with different boards available that would just plug in. As of this writing 4 boards have been developed and tested. These being the Controller(PIC or AVR based), sensor board, harness board and of course the programmer. The basic concept being that you would build several controller boards(at ~\$20) and program them according to what your rocket needs then permanently mount them in that rocket. Then you would make one sensor board(at~\$60) and this board would be moveable between rockets. This way you avoid the expense of buying multiple sensors since these are the high ticket items. There are many applications which are only limited by your imagination. Currently I am developing a descent rate altimeter that does not have, or need, a launch detect. It just monitors for the descent rate and if its over 100'/sec it fires the drogue output, also if its below 300' and falling faster than 30'/sec it fires the main output.

These applications and more can be found at <http://www.pmcserv.com/Roctrronics/>

