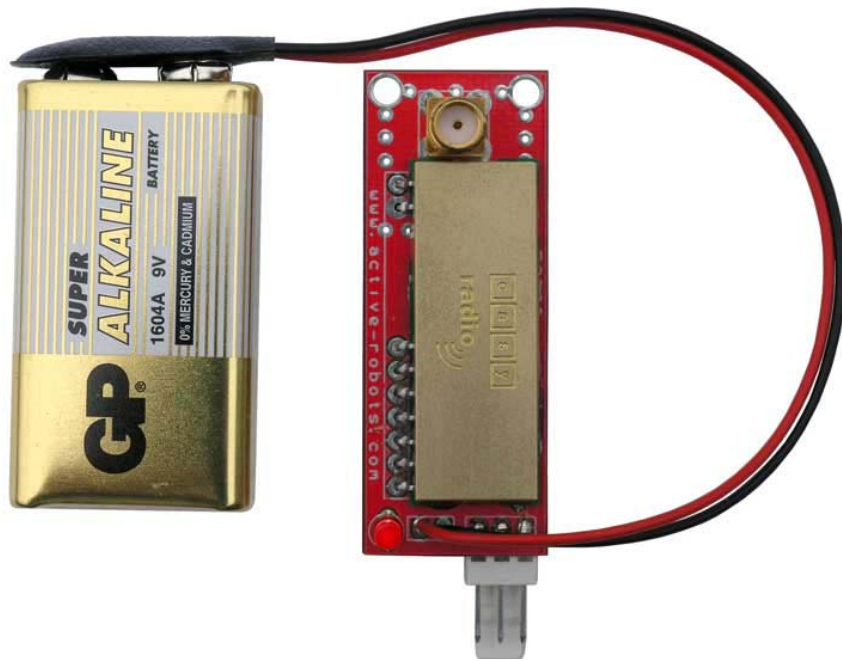


Radio Telemetry Data Module



Size: 53mm x 20mm



ACTIVE ROBOTS

TELEMETRY-CONTROL-MODULE

This radio module removes the overhead normally associated with radio communications. All of the necessary construction of packets, encoding/decoding and timing is carried out at the module. To use these modules, simply connect them to a computer and using either your own software or Hyper terminal set to 19,200 baud, 8 data bits, 1 stop bit, no parity and no handshaking, then, whatever you type in one end will appear exactly the same at the other.

If driving them from your own software, you can send up to 128 characters at a time, transmission from one module to the other takes place when a 3 character gap has been left, and therefore it is possible to send 1 or more characters by leaving a 3 character gap. When you type into hyper-terminal each character will be sent individually as you can't physically type fast enough to send more than one at a time.

Also supplied with these modules is a program specially written by Active Robots to enable you to select different operating frequencies, baud rates and power levels (see images below).

We would suggest that you never use more power than is necessary, this can easily be found by experimentation. There is also a button on the software to restore factory defaults, but be warned, if you change the baud rate and forget what you changed it to, you will need to try each rate until you select the correct one.



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Screen Shots of Radio Configuration Program

