



Application Note APNT-001

Modem Selections and Settings for R-149 and R-153 Timers

We recommend and support the US-Robotics (3 Com) Sportster 2.8/33.6/56K modems. These modems are widely available, at a reasonable price. The instructions below are ONLY for these particular modems.

Timer Preparation:

Two preliminary steps are necessary with the R-149 timer:

Check the firmware version.. It should be version 80134.304. If not, contact Monroe.

To check the firm ware version, from the screen showing the date/time and the next event, press ENTER, then VUE and then VER. This will display the firmware version.

Check, and set if necessary, the communications parameters. From the screen showing the date/time and the next event, press ENTER, then press SET, and then press CMP. If the settings are NOT 1200 baud, NON, 8 and 1, reset them to these parameters.

Modem preparation for the unit to be connected to the *TIMER*:

Set the 8 switches on the rear of the modem as follows:

1 down, 2 up, 3 down, 4-7 up and 8 down.

Connect this modem to a 'com' port on your computer. Use a standard, straight serial cable.

Open a communications program such as 'Hyperterminal' or 'Procomm'. Using this program, select the 'com' port being used, and type AT, then the Enter key. If the modem replies 'OK', it confirms you are connected.

Then enter the following command to the modem: an OK must display after each Enter key

AT E0Q0V1X1&M0&k0S0=1 and then the Enter key.

AT&W0 and then the Enter key.

ATY0 and then the Enter key.

Disconnect this modem from your computer, and tag it so that it is used only on the timer.

The modem to be used with your computer will be programmed by the Synopsis software when the software is started. However, you **MUST** set the 8 switches on the rear of the modem to be used with the Computer as shown above. Then, please TAG this modem so that is **ONLY** used with a computer.

The current version of Synopsis is version 2.01B. If you have an earlier version, please contact monroe@monroe-electronics.com, or telephone 800 821 6001 and ask for customer service.