Switching Serial Power On and Off

The serial I/O subsystem of the Macintosh Portable computer includes the following components:

- the Serial Communications Controller (SCC) chip

- the serial driver chips

- the -5 volt supply

- the internal modem (if installed)

Because serial drivers always use these components in certain combinations, the **Power Manager** provides five serial power procedures that perform the following tasks:

- The **AOn** procedure switches on power to serial port A and switches on power to the internal modem if it is installed.

- The **AOnIgnoreModem** procedure switches on power to serial port A (the modem port) but does not switch on power to the internal modem.

- The **BOn** procedure switches on power to serial port B.

- The **AOff** procedure switches off power to serial port A and to the internal modem if it is in use.

- The **BOff** procedure switches off power to serial port B.

If no internal modem is installed, then calling any of the power-on routines switches on power to the SCC, the serial driver chips, and the -5 volt supply. To switch power on for port B whether or not there is an internal modem installed, use the **BOn** procedure. This procedure switches on power to the SCC, the serial driver chips, and the -5 volt supply.

If the internal modem is installed, then you can use the **AOn** procedure to switch on the modem. In this case, this procedure switches on power to the SCC, the -5 volt supply, and the modem; the internal modem does not use the serial driver chips.

If the internal modem is installed but you do not want to use it (whether or not the user has used the Portable control panel to disconnect the modem), then use the **AOnIgnoreModem** procedure to switch on power to the SCC, the serial driver chips, and the -5 volt supply.