Using Lava Serial Cards With Linux

The following was done using **Redhat 7.0**

- go to the **/usr/share/doc/setserial-2.17**

- in that directory there is a file called **rc.serial** copy it to **/etc/rc.d/init.d/serial** (so the file is renamed **serial**)

- in the **/etc/rc.d/init.d/** run the command "**chkconfig –-add serial**"

- if you have an ISA card, use **setserial /dev/ttyS(*x*) port 0x(*address*) irq (*y*) uart *16550A*** or *16650V2* (where *x* is the port number, *address* is the is the I/O you set the jumper to, *y* is the interrupt you jumpered the card for, and *16550A* and *16650V2*)

- **examples for ISA: setserial /dev/ttyS2 port 0x03e8 irq10 uart 16550A** for Com2

    setserial /dev/ttyS3 port 0x02e8 irq11 uart 16550A for Com3

* the above was an example for a Lava Dserial 550

- if you have a PCI serial card the **lspci –v** will report what resources the serial is using

- use the same '**setserial /dev/ttyS(*x*) port 0x(*address*) irq (*y*) uart *16650V2* or *16550A*** ' command to configure the serial device

examples for PCI: setserial /dev/ttyS2 port 0x6100 irq 12 uart 166550V2 ^fourport for Com5

    setserial /dev/ttyS2 port 0x6200 irq 12 uart 166550V2 ^fourport for Com6

* the above example was for a Lava Port PCI, **this procedure is done for all multiport PCI cars ie. Dsserial PCI, Quattro, Quad, Octopus.**

- The serial ports' configuration can be found in **/etc/serial.conf**