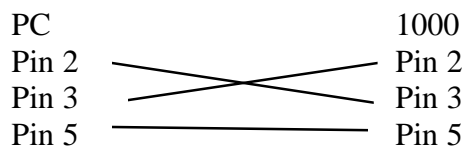


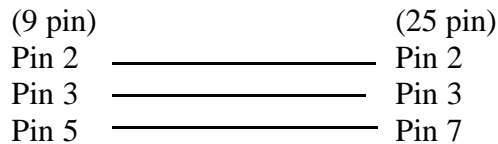
Testing 1000 Family COM Ports

1. Check your cable.

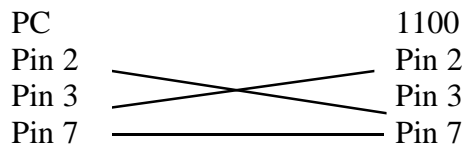
In order to communicate between an Eason 1000 and a PC a null-modem cable is required. For a 9-9 cable this is defined as follows:



For a 9-25 cable this is defined:



For a 25-25 cable this is defined:



Be sure your cable has the appropriate connections....

2. Ensure Winbuild configured properly. In the menu bar, select "Utility|Configuration." A pop-up window will appear that lets you select your PC com port. Typically Laptops only have one COM port. Select Com 1 for a laptop. Most desktop PC's have two COM ports. Com 1 is typically used by the mouse, select Com 2 for a desktop.
3. Ensure the cable is plugged into the COM port selected in the builder on your PC and COM 2 on the Eason. The Eason can only be downloaded to from winbuild over the Eason's COM 2 port.
4. Check that the Eason is properly grounded (Model 1000 ONLY). If the Eason is not properly grounded COM ports on either the EASON or your PC can be damaged. The DC-connection must be connected to Earth Ground at some point in the power circuitry. Most DC Power Supplies float and do not reference a ground. See Technical Note #35.

5. Check to see that your com port is enabled. Some laptops have utilities for turning on and off the com port. Consult your laptops documentation for information on this.
6. Try using another PC as some laptops have marginal voltages on their COM ports.

The above steps will likely correct 80-90 percent of all COM problems. If you are still not communicating it is possible that some of the hardware is damaged. To evaluate your hardware for a com port failure try the following:

For a PC:

Insert a paperclip between pins 2 and 3 on the suspicious COM port. Go into terminal mode. Any thing typed on your keypad should be echoed back to the display. If this fails to occur you com port is either dead or disabled.

For the Eason:

Using an XT keyboard keyboard to enter commands into the Eason. Short pins 2 and 3 together with a paper clip. Type in the following routine: (using an attached keyboard)

```
Print #2,"hello"  
Line Input #2,a$  
Print a$
```

Note: The above test evaluates COM 2. To evaluate COM 1 replace the #2 with a #1 on both lines. If the display does not say "hello" then the Eason's COM port is probably dead. Call Eason Technology at (707)433-2854 for a repair RMA.