

Test Ports

The status of connections on any Ports on a UART Expander board fitted to the Control Module can be checked with the “Test Ports” option.

- The following functions can be tested:
- Communication between the Control Module and the UART Expander board.
 - All RS232 Input Control Lines.
 - All RS232 Output Control Lines.

Note that TxD (Transmit Data) and RxD (Receive Data) are not tested with this facility.

Port 1 IN: Cd=L
Cts=L Dsr=L Ri=L

When the option is first selected, the status of the RS232 **Input** signals on **Port 1** are displayed.
Use the UP and DOWN Arrow keys to scroll through the Input status screens for the other Ports.

INPUT	DESCRIPTION
Cd	Carrier Detect
Cts	Clear To Send
Dsr	Data Set Ready
Ri	Ring Input

Port 1 OUT:
Dtr=L Rts=L

Use the LEFT and RIGHT Arrow keys to switch between the “INput Status” screen and the “OUTput status” screen for the Port being tested.

OUTPUT	DESCRIPTION
Dtr	Data Terminal Ready
Rts	Request To Send

- “1” key.
- “2” key.

While the Port n “**OUTput status**” screen is displayed:

Toggles the “Dtr” output line.

Toggles the “Rts” output line.

Port 1 IN: Not
Responding

If the Port is not working, the message “Not Responding” will be displayed. This indicates that the particular UART Port is not responding to instructions from the Control Module.
Disconnect the Power and the Battery, and carefully check that the UART Port exists, and the UART Expander board is fitted onto the Control Module correctly.

Note that a Port can be tested while the Port is in use by a Comms Task without affecting the operation of the Port unless the Dtr or Rts outputs are toggled.

