Interface cables for PC serial port to Terranova instruments
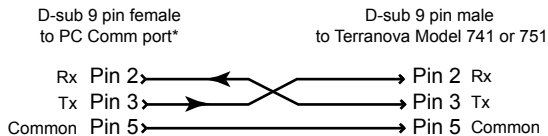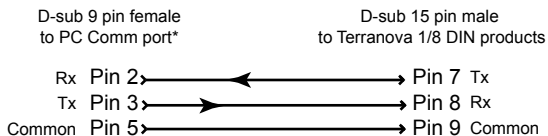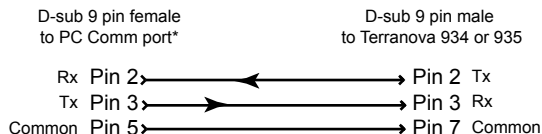
PC to Terranova Model 741, 751 Ion Pump Power Supplies

D-sub 9 pin female to PC Comm port*   D-sub 9 pin male to Terranova Model 741 or 751

Rx Pin 2 ⟶ ⟶ Pin 2 Rx
Tx Pin 3 ⟶ ⟶ Pin 3 Tx
Common Pin 5 ⟶ ⟶ Pin 5 Common

PC to Terranova 1/8 DIN products, including Models 905, 906, 907, 908, 908A, 921, 924, 926, 990, 991

D-sub 9 pin female to PC Comm port*   D-sub 15 pin male to Terranova 1/8 DIN products

Rx Pin 2 ⟵ Pin 7 Tx
Tx Pin 3 ⟶ Pin 8 Rx
Common Pin 5 ⟶ Pin 9 Common

PC to Terranova Model 934 or 935 Ion Gauge Controllers

D-sub 9 pin female to PC Comm port*   D-sub 9 pin male to Terranova 934 or 935

Rx Pin 2 ⟵ Pin 2 Tx
Tx Pin 3 ⟶ Pin 3 Rx
Common Pin 5 ⟶ Pin 7 Common

*If your PC has a USB port but no D9 serial connection, you may use a RadioShack USB-Serial adpater, part number 26-183
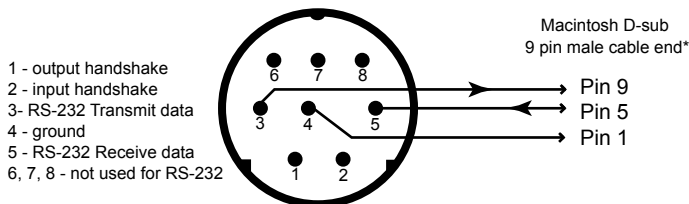
Interface cables for Macintosh serial port to Terranova instruments

Standard Macintosh DIN-8 connector to D-sub 9-pin male connector
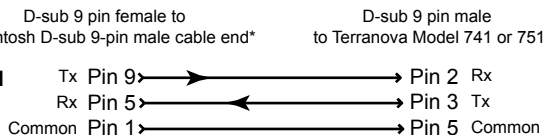
Note: pins 3 and 4 on DIN-8 are closer spaced than pins 4 and 5.

*Note: the configuration shown is for one version of Macintosh cable; there may be other configurations. You should verify continuity of your cable before making the interface.
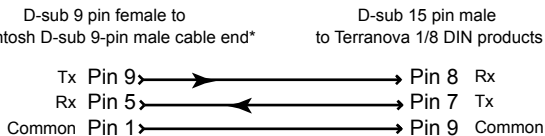
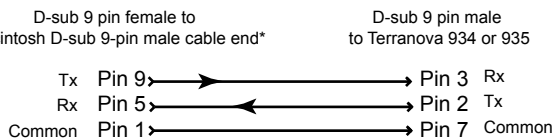**Macintosh Serial Port Pinout, DIN-8 (male pins shown)**

1 - output handshake
2 - input handshake
3 - RS-232 Transmit data
4 - ground
5 - RS-232 Receive data
6, 7, 8 - not used for RS-232

Macintosh D-sub 9 pin male cable end*

Pin 9
Pin 5
Pin 1

Macintosh to Terranova Model 741, 751 Ion Pump Power Supplies

D-sub 9 pin female to Macintosh D-sub 9-pin male cable end*   D-sub 9 pin male to Terranova Model 741 or 751

Tx Pin 9 ⟶ Pin 2 Rx
Rx Pin 5 ⟵ Pin 3 Tx
Common Pin 1 ⟶ Pin 5 Common

Macintosh to Terranova 1/8 DIN products, including Models 905, 906, 907, 908, 908A, 921, 924, 926, 990, 991

D-sub 9 pin female to Macintosh D-sub 9-pin male cable end*   D-sub 15 pin male to Terranova 1/8 DIN products

Tx Pin 9 ⟶ Pin 8 Rx
Rx Pin 5 ⟵ Pin 7 Tx
Common Pin 1 ⟶ Pin 9 Common

Macintosh to Terranova Model 934 or 935 Ion Gauge Controllers

D-sub 9 pin female to Macintosh D-sub 9-pin male cable end*   D-sub 9 pin male to Terranova 934 or 935

Tx Pin 9 ⟶ Pin 3 Rx
Rx Pin 5 ⟵ Pin 2 Tx
Common Pin 1 ⟶ Pin 7 Common

February 17, 2005; ver 6

Every effort has been made to assure accuracy in these diagrams; in the event you find any errors, we would appreciate being made aware of them.