

Connecting an MRC-1600/1620 to a Lanlink

- 1) Power down the MRC-1600/1620 and unplug any existing communications cards from inside the unit. Install the RS-232 I/O card in the 40-pin connector P4.
- 2) Set the RS-232 I/O card to 1200 baud, dip switches S1 and S2:
1, 2, 3 & 7 ON;
4, 5, 6 & 8 OFF or OPEN.
These dip switch default settings have small dots on the circuit board next to the correct switch position. For further details see
http://www.moseleysb.com/mb/pdf/Installation_RS232_MRC16xx.pdf
- 3) Set the Lanlink port COM2 for 1200 baud and the appropriate number of data bits and parity:

Main Menu

D) Serial Gateway Configuration

E) [Com2] Serial Config. Wizard

A) Status **enabled**

G) Data Baud Rate **1200**

H) Configuration **8E1** [for MRC1600] or **8N1** [for MRC1620]

I) Flow Control **disabled**

For further details see

<http://www.moseleysb.com/mb/pdf/LanlinkQuickSetupGuide11-03.pdf>

Note: The MRC-1600 originally operated at 300 baud. The Lanlink minimum speed is 1200 baud, thus the change to 1200 baud.

- 4) The MRC-1600/1620 has a playing-card size circuit board on the outside rear panel, with a green terminal block TB1. Connect wires to a DB-9 female plug as follows:

MRC-1600/1620 TB1	DB9 female plug
Terminal #3, TELCO INPUT (RXD)	Pin 3 (TXD)
Terminals #5 & #8, TELCO INPUT & OUTPUT (GND)	Pin 5 (GND)
Terminal #6, TELCO OUTPUT (TXD)	Pin 2 (RXD)
Terminals #4 or #7, chassis ground	Cable shielding (optional)

Leave the other MRC terminals and Lanlink pins disconnected.

- 5) Plug the DB-9 female connector into the Lanlink COM2 port and apply power; the radio link should become active in less than one minute, indicated by lighting of the red "LINK" LED. Restore power to the MRC-1600/1620; communication into or out of the MRC-1600/1620 should be indicated by the Lanlink COM2 LED lighting with each burst of data.
- 6) Use of the PC program "TaskMaster", for communication with the MRC-1620/1600 will require a DB-9F to DB-9F null modem cable between the computer's COM port and the Lanlink COM2 port.