

DATA COMM for BUSINESS

Technical Services Division

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DCB SPL144 Reference:

1. The new 9642T modems in the SPL144 are driven by a 68000 series processor. The result is high performance of the V.42 bis error correction, sufficient to warrant the operation of the unit using the V.42 bis mode, rather than non-error corrected, non-compressed synchronous mode.

To take advantage of this modem speed set up the units as follows:

2. For **DIAL-UP** applications, set up the SPL (front panel) and modem switches (bottom of the unit) as follows:
 - Remote end SPL144 - set SPL 6-position network switch
 - Position 1 = UP = async
 - Position 2 = DOWN = dial-up line (to allow terminal dialing of the modem)
 - Position 3 = UP = error correction off (the modem will do it.)
 - Position 4 = UP |
 - Position 5 = UP | 38.4 composite speed
 - Position 6 = DOWN |
 - Remote end modem: Switch 1 ON, switches 2 thru 10 OFF
 - Host end SPL144 - SPL 6 position network switch
 - Position 1 = UP = async
 - Position 2 = UP = If called only by SPL144's -leased line (always in multiplexing mode)
 - DOWN = If called by stand alone modems as well as SPL144's
 - Position 3 = UP = error correction off
 - Position 4 = UP |
 - Position 5 = UP | 38.4 composite speed
 - Position 6 = DOWN |
 - Host end modem: Switch 1 ON, switch 6 ON to disable command output from modem to host port, other 8 switches OFF.
 - For dial-up operation, plug the phone line into the RJ connector labeled "Tel Line".

3. For **PRIVATE LINE** applications, set up the SPL144 (front panel) and modem switches (bottom of the unit) as follows:

- SPL 6-position network switch at both ends of the link:

Position 1 = UP = async
Position 2 = UP = leased line
Position 3 = UP = error correction off (the modem will do it.)

Position 4 = UP |
Position 5 = UP | 38.4 composite speed
Position 6 = DOWN |

- Host modem switches on the bottom of the unit: switches 1, 2, 3, 6 and 8 ON.

- Remote modem: Switches 1, 2, and 8 ON.

- For private line operation, plug the 4-wire private phone line into the RJ connector labeled "Tel Set".

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