

### TSAN 012 INTEGRA SOFRELS50

#### Dataradio Technical Support

For additional assistance: [www.dataradio.com](http://www.dataradio.com)

Within the U.S.A.	1-800-992-7774	International	1-507-833-8819
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**Product:** Integra-TR™ and Integra-H™ wireless modem

**Application:** The communications and power interface with the SOFREL S50 PLC.

**Set-up:** The purpose of this TSAN is to describe the method of connecting the Integra-TR™ wireless modem for communications and power supply.

**Set-up:** The 12 VDC power is supplied from J1 Terminal Strip (at the bottom of the S50). Using the Integra-TR™ power supply cable (part number 697-4008-001) terminate the positive (red) wire to the V+ and the negative-GND (black) wire to the GND connector. The green and white wires of the cable are connected per customer requirements. Normally they are taped and folded back out of the way

**Serial Data Connection:** Using a suitable serial cable (part number 697-4008-408) cut the female end connector from the cable. The wires will be terminated on a screw terminal block of the serial daughter board of the S50. Wire colors will not be quoted, as they may be different on a cable by cable basis. DB9 connector pins will be referenced.

<u>DB9 Connector Pin</u>	<u>SOFREL Screw terminal Block</u>
1 – DCD -----	CTA (CTS)
2 -- RX -----	RX
3 – TX -----	TX
5 – GND -----	GND
7 – RTS -----	RTA (RTS)

**Port Settings:** Integra-TR™ COM settings are as follows; bps rate (9600), data forward timer-normal, 8 bit word, no parity, 1 stop bit, ignore break, Xmit control = DOX, and DCD is switched (the S50 monitors the DCD line for on-air activity prior to transmitting). The data set-up of the S50 depends on the user set-up and should be referred to SOFREL technical assistance and the SOFREL documentation.

**SOFREL's Publication A27-ENG Revision 5.1.d is shown.**

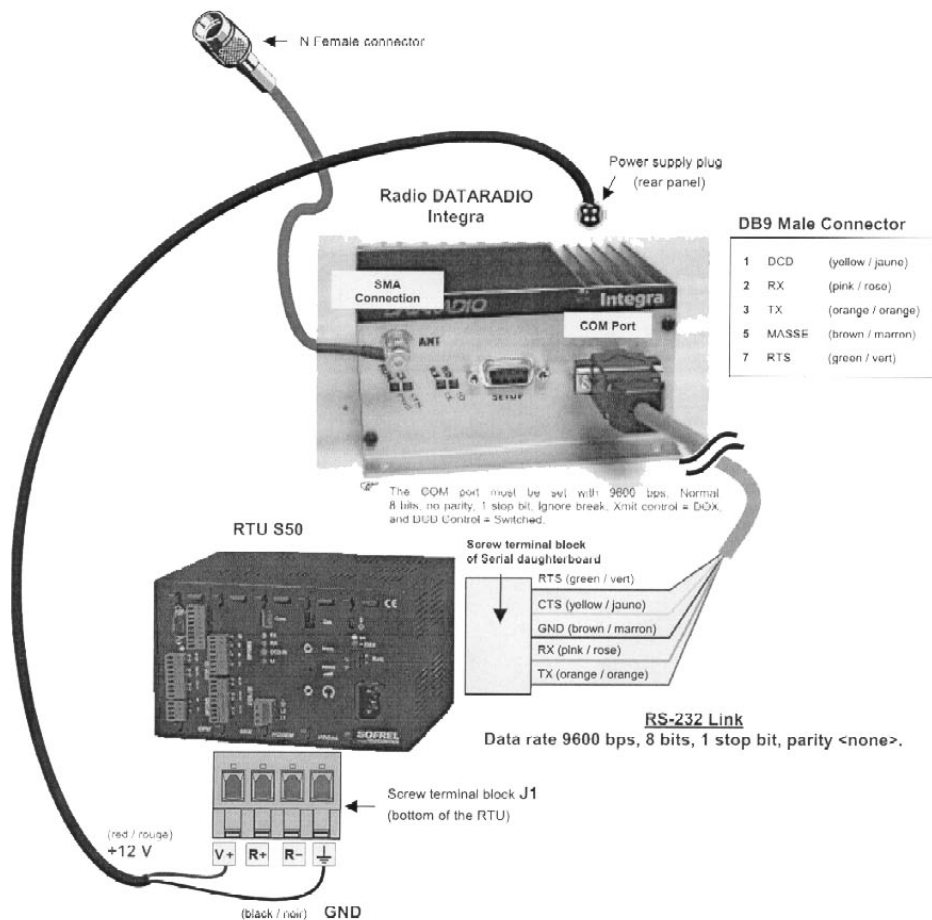


**SOFREL**

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### Addition to a User's Guide S50

#### Connection to a Radio DATARADIO Integra (power supply provided by the RTU)



The S50 RTU power supply must be backed-up by a 12 Volts battery.