



Application Note #5474

Connecting a Plus Radio to a Data Radio T-96SR

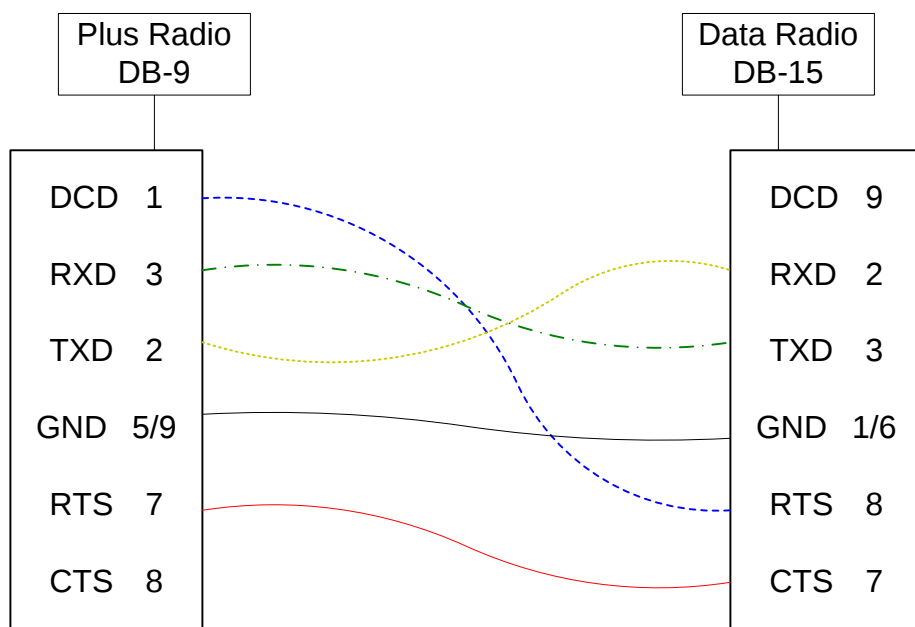
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Functional Description

To connect a Plus radio to a Data Radio T-96SR, special settings and cables must be used. The Data Radio must be keyed when data is being sent out of the FreeWave. However, CTS flow control cannot be used to key the Data Radio. The special CD keyed mode in the Plus radio must be used.

Pin Descriptions

The following is the pinout for the cable connecting the Plus radio to the Data Radio:





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Special Settings

The FGR+ Radio Setup must be setup as follows:



900MHz FGRplus
IP=192.168.111.101 * MAC=00:07:E7:8D:AE:A6 * Serial#=9285286

	Terminal Server Configuration	
	PORT 1	PORT 2
	☐ Disable	☐ Disable
Server	☒ Enable 192.168.111.101 : 7000 ☐ Enable Alarm 0.0.0.0 : 8000 ☐ Maintain Link ☒ Drop Link	☒ Enable 192.168.111.101 : 7001 ☐ Enable Alarm 0.0.0.0 : 8001 ☐ Maintain Link ☒ Drop Link
Client	☐ Enable 0.0.0.0 : 9000	☐ Enable 0.0.0.0 : 9001
Inactivity Timeout	0 (seconds)	0 (seconds)
Alarm Retry Limit	0 (attempts)	0 (attempts)
Baud Rate	9600	19200
Data Bits	8	8
Parity	None	None
Stop Bits	1	1
Flow Control	Hardware	None
CD Mode	Keying	Keying
Interface	RS232	RS232
	☐ Modbus RTU	☐ Modbus RTU
Save Changes Restore Factory Defaults Previous Config Reboot		

Diagnostics

The following settings are needed: the Baud Rate must be set to 9600, Hardware Flow Control should be enabled, and the CD Mode should be set to Keying.

Please contact FreeWave Technical Support with any questions: (303)381-9200 or
moreinfo@freewave.com