

Application Note

#5413

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Establishing a connection between
FreeWave Transceivers and a
phone modem:

Mode 1, initiating a call from one FreeWave Transceiver to another then calling out through a phone modem

Equipment used: Dell P90 Laptop computer, 2 FreeWave Technologies DGR-115 Transceivers, US Robotics Sportster 28.8 Fax Modem with V.34 and V.32 bis.

1. Establish a connection from one FreeWave Transceivers to another, may be done either through Master / Slave settings or using mode 6.
2. Baud rate on the FreeWave Transceiver connected to the computer / initiating device must be the same as the rate set on that device.
3. FreeWave Transceiver connected to the phone modem must be connected using:
 - ◆ Straight through 9 pin to 9 pin supplied by FreeWave
 - ◆ 9 pin to 9 pin null modem adapter
 - ◆ 9 pin to 25 pin adapter
4. After null modem adapter is connected the pinout is as follows:

Out of DGR-115	Into Phone Modem
1	4
2	3
3	2
4	1,6
5	5
6	4
7	8
8	7
9	Not Connected

Baud rate on DGR-115 connected to phone modem was successfully tested at 9,600 and 57,600.



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