

Technical Bulletin 00-01



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Title: Connecting a Modem to a NetLink 150 Telephony Gateway.

Description: This document describes the steps needed to connect a US Robotics Sportster 33.6 modem to SpectraLink's NetLink 150 Telephony Gateway. An analog modem line must be provided separately, regardless of the model of gateway. If your site consists of multiple gateways, a single modem is only needed to support all of them. If you choose to use different modems, this document may not include all the steps necessary to properly configure the modems.

Change the Dip Switches:

The dip switches on the back of the modem must be set properly. Set the dip switches to the following:

	1	2	3	4	5	6	7	8
UP	X	X		X	X	X	X	
DOWN			X					X

Switches 3 and 8 must be down, and the rest must be up.

Change the Internal Settings:

The following steps are used to program the internal settings. This can be done using a standard communications package such as ProComm Plus or Hyperterminal.

Once connected to the modem type in the following:

AT&F1	<Enter>	Loads factory default settings
AT&N6	<Enter>	Sets the baud rate to 9600
AT&H0	<Enter>	Sets Transmit Data Flow control to disabled
AT&R1	<Enter>	Sets modem to ignore Request to Send (RTS)
AT&W0	<Enter>	Saves the configuration

Power off the modem and back on.

Type: ATi4 <Enter> To display the settings.

They should match the figure below (the following screen picture was taken using ProComm Plus.)

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ati4
U.S. Robotics 33600 Fax Settings...

B0 E1 F1 M1 Q0 U1 X4 Y0
BAUD=9600 PARITY=N WORDLEN=8
DIAL=TONE ON HOOK CID=0

&A3 &B1 &C1 &D2 &G0 &H0 &I0 &K1
&M4 &N6 &P0 &R1 &S0 &T5 &U0 &Y1

S00=001 S01=000 S02=043 S03=013 S04=010 S05=008 S06=002
S07=060 S08=002 S09=006 S10=014 S11=070 S12=050 S13=000
S15=000 S16=000 S18=000 S19=000 S21=010 S22=017 S23=019
S25=005 S27=000 S28=008 S29=020 S30=000 S31=128 S32=002
S33=000 S34=000 S35=000 S36=014 S38=000 S39=000 S40=001
S41=000 S42=000

LAST DIALED #:

OK
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Connect the modem to the NetLink 150:

Connect the modem to the NetLink 150 Telephony Gateway by using a 25 pin male connector to a 9 pin female connector (standard modem cable).
 Connect the 9 pin connector to RS-232 port on the Telephony Gateway and the 25 pin connector to the modem.

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