NOTE: Download rates will vary depending upon site location, local interference, phone line quality, and cellular service. The remote modem (at the GPS receiver) is configured the same as the local modem (at the download computer), but with remote modem file transfer protocol and modem set to pick up after one ring.

Recommended Phone Modem Register Settings

Local Modem Settings for the Courier V.Everything:

Test Equipment

**Receiver:** TurboRogue, SNR-8000, Firmware 3.2.32.1  
**CPU:** Pentium PC, Intel MMX w/Red Hat LINUX 5.1  
**Download Software:** GNEX 970916  
**Modems:** USRobotics V.Everything Courier modems

Standard Phone Line

*(settings from Chris Guillemot, 2/99, tested 2/23/99 by Spencer Reeder at Boulder facility)*

Settings are saved in NVRAM, Dip Switch #10 is off. Here are the dip switch settings:

**DIP SWITCH SETTINGS:**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

as seen on actual dip switch panel:

Power off the modem, and power it back on. Confirm settings match below configuration.

at4  
USRobotics Courier V.Everything Settings...

B0 C1 E1 F1 M1 Q0 V1 X1  
BAUD=19200 PARITY=N WORDLEN=8  
DIAL=TONET ON HOOK TIMER  
&A1 &B0 &C1 &D2 &G0 &H0 &I0 &K1 &L0 &M4 &N0
Remote modem settings for the Courier V.Everything / AOA TurboRogue Receiver:

Test Equipment

Receiver: TurboRogue, SNR-8000, Firmware 3.2.32.1
CPU: Pentium PC, Intel MMX w/Red Hat LINUX 5.1
Download Software: GNEX 970916
Modems: USRobotics V.Everything Courier modems
Standard Phone Line

(settings from Chris Guillemot, 2/99, tested 2/23/99 by Spencer Reeder at Boulder facility)

Load the no-hardware flow control template &F0 by setting dip switch 10 to ON. Here are the dip switch settings:

DIP SWITCH SETTINGS:

as seen on actual dip switch panel:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
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<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Power off the modem, and power it back on. Confirm settings match below configuration.

```
ati4
USRobotics Courier V.Everything Settings...
B0 C1 E0 F1 M1 Q2 V1 X1
BAUD=19200 PARITY=N WORDLEN=8
DIAL=TONE ON HOOK TIMER
&A1 &B0 &C1 &D2 &G0 &H0 &I0 &K1 &L0 &M4 &N0
&P0 &R1 &S0 &T5 &U0 &X0 &Y1 %N6 #CID=0
S00=000 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 S14=001 S15=000
S16=000 S17=000 S18=000 S19=000 S20=000 S21=010 S22=017 S23=019
S24=150 S25=005 S26=001 S27=000 S28=008 S29=020 S30=000 S31=000
S32=009 S33=000 S34=000 S35=000 S36=000 S37=000 S38=000 S39=000
S40=000 S41=000 S42=126 S43=200 S44=015 S45=000 S46=000 S47=000
S48=000 S49=000 S50=000 S51=000 S52=000 S53=000 S54=064 S55=000
S56=000 S57=000 S58=000 S59=000 S60=000 S61=000 S62=000 S63=000
S64=000 S65=000 S66=000 S67=000 S68=000 S69=000 S70=000
```

Posted by: Beth Bartel - Tue, Jun 30, 2009 at 7:12 PM. This article has been viewed 12183 times.