

**Application Note  
GSM0000AN005**

**Enabler Modems Automated Network  
Connection Configuration and Use**

**Revision 1.02**

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**Objective:** To provide modem settings that allow for automated GSM and GPRS network connectivity.

## Equipment Needed:

In this example the requirements are:

- An Enfora, Inc. Enabler-G Modem loaded with firmware version 1.4.0 or above is required.
- A notebook or desktop computer with any version of Microsoft Windows that has HyperTerminal. If this hardware is not available, the user could use a DOS terminal emulation program or DUMB ASCII terminal.

## Procedures:

1. Start **HyperTerminal** and create a new session with the following settings:

Connection Name =	<b>Enabler Automated Connection Test</b>
Connect Using =	<b>Direct connect to COMx</b> , COMx is the communications port that the Enfora, Inc. Enabler-G Modem is physically attached to.
Bits Per Second =	<b>115200</b>
Flow control =	<b>None</b>

2. Type **AT** and press <ENTER> the modem should respond with **OK**. This will verify that you are communicating with the modem. If you cannot see characters entered on the screen, enter **ATE1V1**.
3. The following examples provide the AT commands and responses for setting modem parameters. For more information about the commands and response codes, see the **GSM0107AT001 – Enfora Enabler IIG AT Command Set**.
4. The default setting for the Enabler-G modem is to **automatically** register on a GSM network. To change this default, enter the following command:

<b>AT\$AREG=0</b>	AT command to turn off the automated GSM registration feature.
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<b>OK</b>	Modem Response.
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5. If **AT\$AREG=0**, the following commands will have to be issued to turn the radio on and register on a GSM network:

<b>AT+CFUN=1</b>	Turn the radio on.
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<b>OK</b>	Modem Response.
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<b>AT+COPS=0</b>	Select network operator for registration.
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<b>OK</b>	Modem Response.
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- The default setting for the Enabler-G modem is to ***manually*** attach and activate on a GPRS network. The following command will attach the modem to a GPRS network.

## Revision History

Date	Rev	Author	Description
8/16/02	Draft	Matt Glover	Initial Draft.
9/3/02	1.00	Matt Glover	<ul style="list-style-type: none"><li>Renamed the document to appropriately reflect the latest platform capability and use.</li><li>Added commands and steps required to automate GPRS attach sequence and requirements for automated PPP context activation.</li><li>Initial Release</li></ul>
10/15/02	1.01	Matt Glover	<ul style="list-style-type: none"><li>Changed AT\$AUTOREG to reflect syntax change of AT\$AREG</li><li>Changed incorrect values for GPRS auto-registration command AT+CGAATT</li></ul>
11/8/02	1.02	Matt Glover	<ul style="list-style-type: none"><li>Removed references to obsolete AT\$APN command</li></ul>