



## Xplore Technologies

### Rim 1902g and 1802g Modem Configuration Requirements

Please note these instructions are for the integrated RIM Modems only.

Follow the instructions below after installing the Rim Module.

#### RIM OEM Radio Modem for GSM/GPRS Wireless Networks

### Required information

Before you start, you should have the following information available:

- access point name (APN) for your network
- IP address for your primary domain name server (DNS)

### Connecting with Windows 2000/XP

To connect the radio modem to your computer, you must perform the following tasks:

- add the modem
- add a dial-up connection
- edit registry settings

#### To add a modem

1. On the **Start** menu, select **Settings > Control Panel**. The Control Panel window appears.
2. Double-click the **Phone and Modem Options** icon. The Phone and Modem Options window appears.
3. Click the **Modems** tab.

**Note:** You must use Windows 2000 SP3 or later or XP.

4. Click **Add**. The Add/Remove Hardware Wizard appears.
5. Select the **Don't detect my modem** option. Click **Next**. The model selection window appears.
6. In the Models list, select **Standard 33600 bps modem**. You do not need to choose a manufacturer. Click **Next**. The port selection window appears.
7. Select the **Selected ports** option and click the COM port to which the radio modem is connected. Click **Next**.

A window appears that indicates that your modem has been installed successfully.

8. Click **Finish**. The Phone and Modem Options window appears.
9. On the **Modems** tab, select the modem that you added and click **Properties**. The Properties window appears.
10. On the **General** tab, from the **Maximum Port Speed** drop-down list, select **115200**.
11. Click the **Advanced** tab.

12. In the **Extra initialization commands** field, type:

**at+cgdcont=1,"IP","apn\_name"**

where *apn\_name* is the access point name (APN) for your network

13. Click **OK**. The Phone and Modem Options window appears.
14. Click **OK**.

#### To add a connection

1. On the **Start** menu, select **Settings > Network and Dial-up Connections**. The Network and Dial-up Connections window appears.
2. Double-click the **Make New Connection** icon. The Network Connection Wizard appears.
3. Click **Next**.
4. Select the **Dial-up to the Internet** option. Click **Next**. The Internet Connection Wizard appears.
5. Select the **I want to set up my Internet connection manually** option. Click **Next**. The Setting up your Internet connection window appears.
6. Select the **I connect through a phone line and a modem** option. Click **Next**. The Step 1 of 3 window appears.
7. Clear the **Use area code and dialing rules** option.
8. In the **Telephone number** field, type **\*99#**. Click **Next**. The Step 2 of 3 window appears.
9. Leave the **User name** and **Password** fields blank. Click **Next**. Two dialog boxes appear to



confirm that you have not set a user name and password.

10. In each dialog box, click **Yes**. The Step 3 of 3 window appears.
11. In the **Connection name** field, type a descriptive name for the new connection. Click **Next**. The Set Up Your Internet Mail Account window appears.
12. Select **No**. Click **Next**. The Completing the Internet Connection Wizard window appears.
13. Clear the **To connect to the Internet immediately** option. Click **Finish**.  
The new connection appears in the Network and Dial-up Connections window.
14. Right-click the new connection icon and click **Properties**. The Properties window appears.  
**Note:** If you do not have Windows 2000 SP3 installed, the **Extra initialization command** field has a limit of 40 characters. If your APN name results in an entry that is longer than 40 characters, install SP3. In Internet Explorer, on the **Tools** menu, click **Windows Update**.
15. Click the **Networking** tab, as shown in the following diagram.  
**Dial-up Properties window – Networking tab**
16. Click **Internet Protocol (TCP/IP)** and click **Properties**. The Internet Protocol (TCP/IP) Properties window appears.
17. Enable the **Use the following DNS server addresses** option. In the **Preferred DNS server** field, type the IP address of your primary DNS server.
18. Click **OK**. The Properties window appears.
19. Click the **General** tab and click **Configure**. The Modem Configuration window appears.
20. From the **Maximum speed (bps)** drop-down menu, select **115200**.
21. Clear the following options: **Enable hardware flow control**, **Enable modem error control**, and **Enable modem compression**.
22. Click **OK**.
23. Click **OK**.

## To change registry settings

Perform the following steps so that the modem disconnects and reconnects correctly.

1. In a command prompt, type:  
**regedit**  
The Registry Editor appears.
2. Click the following key:  
HKEY\_LOCAL\_MACHINE > SYSTEM > CurrentControlSet > Control > Class > {4D36E96D-E325-11CE-BFC1-08002BE10318}\xxxx\Init  
where xxxx is the 4-digit number corresponding to the GPRS OEM Radio Modem in the machine.
3. On the **Edit** menu, click **New > String Value**. A new entry appears under the **Name** column in the Registry Editor window.
4. Type **3** for the name.
5. Double-click on the **3** value that you just added. The Edit String window appears.
6. In the **Value data** field, type:  
**AT&D2<cr>**
7. Click **OK**. The Registry Editor window appears.
8. Close the Registry Editor window.
9. Restart your computer for registry settings to take effect.

The RIM OEM Radio Modem connection is complete.

Last Step:

Eventhough communication to the modem is possible the GPRS portion is off. To turn on, from Hyperterminal type atrimradio=1. A response of OK should be the response. To inquire whether the GPRS is on type ATRIMRADIO=? 1 is on and 0 is off.

Close out of the hyperterminal. Invoke the dialup connection created earlier.