



PPP DATA

Installation/Configuration

(Windows 95/98/Me/NT/2000/XP)

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1 PPP Data Overview

Iridium’s PPP Data Service allows customers to connect directly to the Internet via the Iridium gateway without having to load any special software onto their computer. The service utilizes standard dial-up networking and has been shown to work with a variety of operating systems, though only machines running Windows are supported. As Figure 1 shows, Iridium’s PPP service connects to the Internet via the Direct Internet (Apollo) server. Since no client software is loaded onto the client side, PPP Data users are not able to take advantage of the Direct Internet features of Smart Connect and Spoofing. Through the compression setting in Microsoft Dial-Up Networking, however, throughput levels can be attained that are similar to those when using Direct Internet.

2 Modem Driver Installation and Configuration

Prior to using your Iridium phone as a modem for PPP Data, you must do the following:

- Install the “Iridium PPP Data Modem” modem driver on your computer
- Set up and configure a dial-up networking connection

2.1 Important Considerations

- In the dial-up networking connection, TCP/IP should be the only enabled network protocol.
- You must have an available serial port on your computer (e.g., COM1).
- You must have Administrator privileges if using Windows NT, 2000 or XP Professional.

2.2 Windows 95/98 Setup

2.2.1 Install the Modem Driver

1. Close all applications.
2. Choose *Start > Settings > Control Panel*.
3. Double-click on *Modems*.
4. If a *Modem Properties* window appears, Click *Add...*
5. If you are using a laptop, you may be presented with a screen asking “*What type of modem do you want to install?*” Select the *Other* button and click *Next >*.
6. Choose the checkbox marked “Don’t detect my modem; I will select it from a list” and then click *Next*.
7. Click the *Have Disk* button and browse to the location of the downloaded **Iridium.inf** file.
8. Click *Iridium* from the manufacturer list and then highlight *Iridium PPP Data Modem*, and then click *Next>*.
9. Click on an available COM Port (e.g., *COM1*). This is the port to which you will connect your Iridium phone. Click *Next >*.
10. Click *Finish*.
11. Click *OK, Close*.

2.2.2 Configure Dial-Up Networking

1. In Windows 95: Choose *Start > Programs > Accessories > Dial-Up Networking*
In Windows 98: Choose *Start > Programs > Accessories > Communications > Dial-Up Networking*
2. Double-click *Make New Connection*.
3. Enter a connection name (e.g., “Iridium PPP”).
4. In the “Select a device” pull-down menu, select the “**Iridium PPP Data Modem**”, and then click *Next>*.
5. Leave the Area Code box blank, and enter **008816000025** in the *Telephone number* box, and then click *Next >*.
6. Click *Finish*.
7. Right-click on your new dial-up connection and select *Properties*.
8. Uncheck the “*Use area code and Dialing Properties*” box and then select the “*Server Types*” tab.
9. Uncheck “*Log on to network*”, “*NetBEUI*” and “*IPX/SPX Compatible*”.
10. Make sure the “*TCP/IP*” box is checked.
11. Click *OK*.

2.3 Windows Me Setup

2.3.1 Install the Modem Driver

1. Close all applications.
2. Choose *Start > Settings > Control Panel*.
3. Double-click on *Modems*. If a *Modem Properties* window appears, Click *Add...*
4. If you are using a laptop, you may be presented with a screen asking “*What type of modem do you want to install?*” Select the *Other* radio button and click *Next >*.
5. Choose the checkbox marked “Don’t detect my modem; I will select it from a list” and then click *Next*.
6. Click the *Have Disk* button and browse to the location of the downloaded **Iridium.inf** file.
7. Click *Iridium* from the manufacturer list and then highlight *Iridium PPP Data Modem*, and then click *Next>*.
8. Click on an available COM Port (e.g., *COM1*). This is the port to which you will connect your Iridium phone. Click *Next >*.
9. Click *Finish*.
10. Click *OK, Close*.

2.3.2 Configure Dial-Up Networking

1. Choose *Start > Programs > Accessories > Communications > Dial-Up Networking*
2. Double-click *Make New Connection*.
3. Enter a connection name (e.g., “Iridium PPP”).
4. In the “Select a device” pull-down menu, select the “**Iridium PPP Data Modem**”, and then click *Next>*.
5. Leave the Area Code box blank, and enter **008816000025** in the *Telephone number* box, and then click *Next >*.
6. Click *Finish*.
7. Right-click on your new dial-up connection and select *Properties*.
8. Uncheck the “*Use area code and Dialing Properties*” box and then select the “*Networking*” tab.
9. Uncheck “*NetBEUI*” and “*IPX/SPX Compatible*”.
10. Make sure the “*TCP/IP*” box is checked.
11. Click the “*Security*” tab and uncheck the “*Log on to network*” box.
12. Click *OK*.

2.4 Windows NT4.0 Setup

2.4.1 Install the Modem Driver

1. Close all applications.
2. Choose *Start > Settings > Control Panel*.
3. Double click on *Modems*.
4. Click *Add...*
5. Choose the checkbox marked "*Don't detect my modem; I will select it from a list.*" Then, click *Next >*.
6. Click the *Have Disk* button and browse to the location of the downloaded **Iridium.inf** file.
7. Click *Iridium* from the manufacturer list and then highlight *Iridium PPP Data Modem*, and then click *Next>*.
8. Click the "*Selected ports*" radio button. Click on an available COM Port (e.g., *COM1*). This is the port to which you will connect your Iridium phone. Click *Next >*.
9. Click *Finish*.
10. Click *OK, Close*.
11. The Modem Setup window appears and asks if you would like to configure Dial-Up Networking. Click *Yes*.
12. The Remote Access Setup window appears. Note: If a modem is already installed on the COM port that you would like to use for the Iridium PPP Data Modem, select the modem in the list and click *Remove*.
13. Click *Add* and select the "*Iridium PPP Data Modem*" from the list of RAS capable devices. Click *OK*.
14. The new entry is added to the list of modems. Click *Continue*.
15. When asked if you would like to restart the computer, click *Yes*.

2.4.2 Configure Dial-Up Networking

1. Choose *Start > Programs > Accessories > Dial-Up Networking*. If Dial-Up Networking has no "phonebook entries", you will be prompted to "Press OK to add an entry".
2. Click *New...*
3. In the *Entry name* box, enter a connection name (e.g., "Iridium PPP).
4. In the *Phone number* box, enter **008816000025**
5. Uncheck the "*Use Telephony dialing properties*" box.
6. In the *Dial using* list, select "*Iridium PPP Data Modem*"
7. Select the *Server* tab.

8. Make sure "*TCP/IP*" is checked.
9. Uncheck "*IPX/SPX compatible*", "*NetBEUI*".
10. Click *OK*, *Close*.

2.5 Windows 2000 Setup

2.5.1 Install the Modem Driver

1. Close all applications.
2. Choose *Start > Settings > Control Panel*.
3. Double click on *Phone and Modem Options*.
4. Select the *Modems* tab and click *Add...*
5. Check “*Don’t detect my modem; I will select it from a list.*” Then, click *Next >*.
6. Click the *Have Disk* button and browse to the location of the downloaded **Iridium.inf** file.
7. Click *Iridium* from the manufacturer list and then highlight *Iridium PPP Data Modem*, and then click *Next>*.
8. Click the “*Selected ports*” button. Click on an available COM Port (e.g., *COM1*). This is the port to which you will connect your Iridium phone. Click *Next >*.
9. Click *Finish*.
10. Click *OK*.

2.5.2 Configure Dial-Up Networking

1. Choose *Start > Programs > Accessories > Communications > Network and Dial-up Connections*.
2. Double-click *Make New Connection*, and click *Next>*.
3. Select “*Dial-up to private network*” and click *Next>*.
4. If a “*Select a Device*” window appears, check the box next to “*Modem - Iridium PPP Data Modem*”, and uncheck all other devices. Click *Next>*.
5. In the Phone number box, enter **008816000025** and click *Next>*.
6. Choose either “*For all users*” or “*Only for myself*” and click *Next>*.
7. Enter a name for your connection (e.g., “*Iridium PPP*”) and click *Finish*.
8. Click *Properties*.
9. Click the *Networking* tab.
10. Make sure “*Internet Protocol (TCP/IP)*” is checked. Uncheck all other components.
11. Click *OK*.
12. Close the connection box.

2.6 Windows XP Setup

2.6.1 Install the Modem Driver

1. Close all applications.
2. Choose *Start > Control Panel*.
3. Double click on *Phone and Modem Options*.
4. Select the *Modems* tab and click *Add...*
5. Check “*Don’t detect my modem; I will select it from a list.*” Then, click *Next >*.
6. Click the *Have Disk* button and browse to the location of the downloaded **Iridium.inf** file.
7. Click *Iridium* from the manufacturer list and then highlight *Iridium PPP Data Modem*, and then click *Next>*.
8. Click the “*Selected ports*” button. Click on an available COM Port (e.g., *COM1*). This is the port to which you will connect your Iridium phone. Click *Next >*.
9. Click *Finish*.
10. Click *OK*.

2.6.2 Configure Dial-Up Networking

1. Choose *Start > All Programs > Accessories > Communications > Network Connections*.
2. Click “*Create a new connection*”.
3. Click *Next>*.
4. Select “*Connect to the Internet*” and click *Next>*.
5. Select “*Set up my connection manually*” and click *Next>*.
6. Select “*Connect using a dial-up modem*” and click *Next>*.
7. If a “*Select a Device*” window appears, check the box next to “*Iridium PPP Data Modem*”, and uncheck all other devices. Click *Next>*.
8. Enter a connection name (e.g., “*Iridium PPP*”) and click *Next>*.
9. In the Phone Number box, enter **008816000025** and click *Next>*.
10. If using XP Professional Edition, a window may appear to select either “*Anyone’s use*” or “*My use only*”. Choose either selection and click *Next>*.
11. A username and password are not necessary. Click *Next>*.
12. Click *Finish*
13. Click *Properties*.

14. Click the *Networking* tab.
15. Make sure "Internet Protocol (TCP/IP)" is checked. Uncheck all other components.
16. Click OK.
17. Close the connection box.

3 Dialing a Call

To place a PPP Data call, you must open the Dial-Up Networking window and select the dial-up connection you created for your Iridium phone.

1. Connect the computer and phone.
2. Orient the phone's antenna with a clear view of the sky.
3. If your computer is turned off, turn it on and wait for it to boot up.
4. Turn on your Iridium phone and wait for it to register with the satellite network.
5. Depending on your Windows operating system, choose one of the following to open the Dial-Up Networking window:

- *Start > Programs > Accessories > Dial-Up Networking*
- *Start > Programs > Accessories > Communications > Dial-Up Networking*
- *Start > Programs > Accessories > Communications > Network and Dial-up Connections*
- *Start > All Programs > Accessories > Communications > Network Connections*

6. For **Windows 95/98/Me/2000/XP**, double-click the dial-up connection you created (e.g., "Iridium PPP"), and then click *Connect* or *Dial*. (Note: A username and password are not necessary, and anything in these fields will be ignored).

For **Windows NT**, select your connection from the drop down list (e.g., "Iridium PPP"), and then click *Dial*. When prompted to enter a username and password, click *OK*. (Note: A username and password are not necessary, and anything in these fields will be ignored).

7. As the Iridium phone is dialing, it will blink "Data Call In Progress" and a Dial-Up Networking window will appear on your computer showing the current status of the connection.
8. Once connected, the handset will continue to display "Data Call In Progress," but it will no longer blink.
9. Once authenticated, a dial-up networking session is established, and the dial-up networking icon will appear in your task bar.
10. You can now launch your Internet application.

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