

Connect a computer to the Internet using a GPRS, EDGE or UMTS BlackBerry smartphone as a tethered modem

Environment

- BlackBerry® Desktop Software 4.1 and later
- BlackBerry® Smartphones 4.2 to 4.7
- Windows® 2000, Windows XP and Windows Vista™

Important: Contact your service provider to obtain the user name and password you require to configure dial-up networking. Also, ask your service provider if additional charges are incorporated when connecting to the Internet using the BlackBerry smartphone as a tethered modem.

Overview

A BlackBerry smartphone with tethered modem capabilities can be used as an external modem to connect a computer to the Internet.

Summary of Tasks

To set up a tethered modem, complete the following tasks:

1. Install BlackBerry Desktop Software 4.1 or later (one time only).
 2. Set up the Internet access point name (APN) (one time only).
 3. Configure dial-up networking (one time only).
 4. Connect to the Internet using dial-up networking.
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Task 1

Install BlackBerry Desktop Software 4.1 or later on your computer.

When you install BlackBerry Desktop Software, the drivers that allow the BlackBerry smartphone to communicate through the Universal Serial Bus (USB) port and virtual communications port are installed. The standard modem, which is used by dial-up networking, is also installed.

Note: If upgrading your BlackBerry Desktop Software from version 4.0 to 4.1, the required virtual communications port and standard modem might be removed during the upgrade process. If this is the case, re-install the BlackBerry Desktop Software 4.1 or later and choose the **Repair** option to re-install these components.

Task 2

Set up an Internet APN.

1. Click **Start > Settings > Control Panel**.
2. Double-click **Phone and Modem Options**.
3. In the Phone and Modem Options window, click the **Modems** tab.
4. Select **Standard Modem** and click **Properties**.
5. Click **Change Settings**.
6. In the Standard Modem Properties window, click the **Advanced** tab.
7. In the **Extra initialization commands** field, type the following:

```
+cgdcont=1,"IP","<your Internet APN>"
```

Note: The following is applicable for T-Mobile® customers only:

The extra initialization command is: **+cgdcont=1,"IP","wap.voicestream.com"**

Note: If you do not know your Internet APN, or if you do not have an Internet APN, contact your service provider.

8. Click **OK**.
9. In the Phone and Modem Options window, click **OK**.

Task 3

To configure dial-up networking, complete the procedure that is appropriate to the operating system you are using:

Windows Vista

1. Click **Start**.
2. Select **Connect To**.
3. Click **Setup a connection or network**.
4. Click **Setup a dialup connection**.
5. In the Dial-up phone number field type ***99#**.
6. Type the user name and password provided by your service provider.
7. In the **Connection Name** field type **BlackBerry**.
8. Click **Dialing Rules**.
9. Make sure the profile created in Task 2 has been selected, and then click **OK**.
10. Select **Connect** to establish an internet.

Windows XP operating system

1. Click **Start > Settings > Network Connections**.
2. Double-click **New Connection Wizard**. The New Connection Wizard opens.
3. Click **Next**.
4. Select the **Connect to the Internet** option. Click **Next**.

5. Select **Set up my connection manually**. Click **Next**.
6. Select **Connect using a dial-up modem**. Click **Next**.
7. If the **Select a Device** screen appears, select the **Modem - Standard Modem** check box. Click **Next**.
8. In the **ISP Name** field, type a name for your connection. Click **Next**.
9. In the **Phone number** field, type *99#. Click **Next**.
10. Indicate which users will have access to the connection. Click **Next**.
11. Type the user name and password provided by your service provider. Click **Next**.
12. Click **Finish**.
13. In the **Connect** window, click **Properties**.
14. In the **Properties** window, verify that **Modem - Standard Modem** appears beneath the **Connect using** heading, and then click **Configure**.
15. In the **Modem Configuration** window, clear the **Enable hardware flow control** check box and make sure none of the other check boxes are selected. Click **OK**. In the **Properties** window, click **OK**.

Windows 2000 operating system

1. Click **Start > Settings > Control Panel**.
2. Double-click **Network and Dial-up Connections**.

Note: The following is applicable for T-Mobile customers only:

Under the **networking** tab in the **properties** window for the dial-up connection, clear the **Enable LCP Extensions** check box, as well as all check boxes beneath the **PPP Settings** window.

3. Double-click **Make New Connection**. The **Network Connection Wizard** opens.
4. Click **Next**.
5. Choose **Dial-up to private network**. Click **Next**.
6. In the **Phone number** field, type *99#. Click **Next**.
7. Indicate which users will have access to the connection. Click **Next**.
8. Type a name for your connection. Click **Finish**.
9. In the **Connect** window, click **Properties**.
10. In the **Properties** window, verify that **Modem - Standard Modem** is selected, then click **Configure**.
11. In the **Modem Configuration** window, clear the **Enable hardware flow control** check box and make sure none of the other check boxes are selected. Click **OK**.
12. In the **Properties** window, click **OK**.

Task 4

Connect to the Internet using dial-up networking.

Note: During this procedure, do not operate the BlackBerry® Browser or any third-party applications on the BlackBerry smartphone. An active data session might interfere with the modem connection. Also, make sure an ethernet connection is not active at the same time.

1. Connect the BlackBerry smartphone to the computer.
2. Open BlackBerry Desktop Manager.
3. Click **Start > Settings > Network Connections > <name of your new connection>**.
4. Type the user name and password provided by your service provider.