

User Guide

Overdrive Pro™ 3G/4G Mobile Hotspot

by Sierra Wireless

www.sprint.com



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Section 1

Getting Started

Section 1A

About This Guide

Your device allows you to easily connect to the Internet and to share your 3G or 4G connection.

This user guide is designed to provide you with all the information you need to install and use your Overdrive Pro™ 3G/4G Mobile Hotspot by Sierra Wireless.

Note: The printed Get Started guide that comes with the device should be sufficient for most installations.

- Section 1 (which you are reading) lists the system requirements for using the device.
- Section 2 describes the buttons, connectors, and other components of the device. (See “Your Device” on page 5.)
- Section 3 provides step-by-step instructions for setting up the device. (See “Getting Your Device Ready” on page 19.)
- Section 4 describes common tasks for your device. (See “Using Your Device” on page 27.)
- Section 5 describes advanced configuration of the device and the browser interface. (See “Settings” on page 69.)
- Section 6 contains frequently asked questions, troubleshooting tips, and resources for getting help. (See “Resources” on page 117.)
- Section 7 lists the electrical, radio frequency, and other parameters of the device for those who require technical information, as well as safety information, regulatory information, and legal information. (See “Technical Specifications, Safety Information, and Regulatory Information” on page 137.)

Section 1B

System Requirements

To use your Overdrive Pro 3G/4G Mobile Hotspot, the following are required:

- One or more computers that support Wi-Fi (802.11b/g/n)
- Web browser (required if you'll be using the browser interface to view status and to configure settings). The following browsers are supported:
 - Internet Explorer (version 6.0 or higher)
 - Mozilla Firefox (version 2.0 or higher)
 - Google Chrome (version 2.0.172.28 or higher)
 - Apple Safari (version 2.0 or higher)
 - Opera version 9.64
- If you'll be connecting the device through USB:
 - Computer running Windows 7, Windows Vista, Windows XP, or Mac (OS X 10.4.x or higher)
 - USB 2.0 slot

Section 2

Your Device

Section 2A

Device Basics

- ◆ Components of Your Device (page 8)
- ◆ 3G and 4G Networks (page 8)
- ◆ Package Contents (page 9)
- ◆ Care and Maintenance (page 9)
- ◆ Connectors and Buttons (page 9)
- ◆ Battery (page 10)
- ◆ Connecting Through USB (page 11)
- ◆ Charging the Device (page 12)
- ◆ Power Button (page 13)
- ◆ LCD (page 16)
- ◆ Mute Switch (page 17)
- ◆ microSD Card Slot (page 17)

Your device provides a simple way to use your 3G or 4G Internet connection with any Wi-Fi-enabled device, and to share your Internet connection with friends and family.



Components of Your Device

Your device consists of these main components:

- Wi-Fi access point

The Wi-Fi access point connects your computers and other Wi-Fi-enabled devices to your device.

- 3G modem

The 3G modem connects your device to the Internet via the 3G (CDMA 1X/EVDO) network (more widely available, compared with 4G).

- 4G modem

The 4G modem connects your device to the Internet via the 4G (WiMAX) network (newer technology and faster speeds, compared with 3G).

- Routing hardware

The routing hardware handles traffic between the 3G or 4G modems, the Wi-Fi access point, and the Wi-Fi network.

3G and 4G Networks

These wireless networks connect you to the Internet. Depending on your coverage area, you may have:

- Both 3G and 4G coverage
- Only 3G coverage
- Only 4G coverage.

Your device automatically connects to the fastest network that is available to you. If you have both 3G and 4G coverage and your connection happens to get disrupted, your device can automatically switch to the other network. (For more information, see “Configuring the 3G/4G Connection Preferences” on page 45.)

Download speeds

Actual speeds depend on several factors, including network conditions.

Wireless mode	Maximum downlink speeds	Typical downlink speeds
3G (EV-DO Rev. 0)	2.4 Mbps	400–700 kbps
3G (EV-DO Rev. A)	3 Mbps	0.6–1.4 Mbps
4G	10 Mbps	3–6 Mbps

Package Contents

Your package includes:

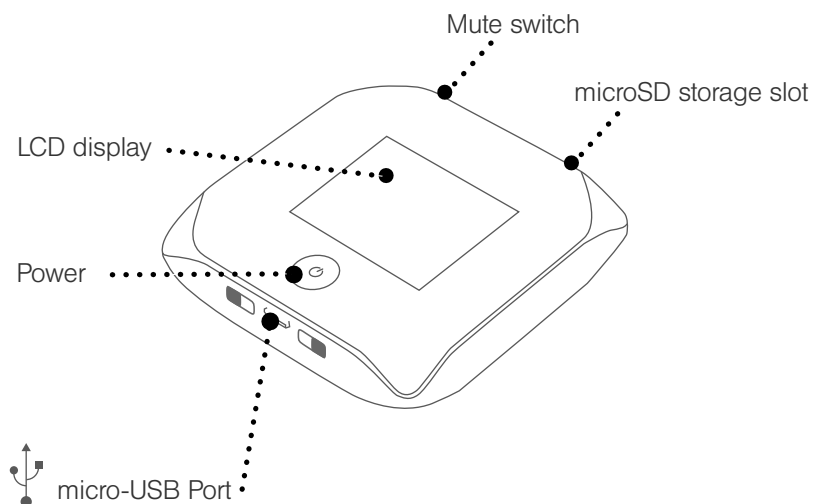
- Overdrive Pro 3G/4G Mobile Hotspot by Sierra Wireless
- Battery compartment cover
- Rechargeable battery
- AC charger with micro-USB port
- Micro-USB cable
- Get Started guide

Care and Maintenance

As with any electronic device, you should handle this device with care to ensure reliable operation. Follow these guidelines in using and storing the device:

- Protect the device from liquids, dust, and excessive heat.
- Do not handle or operate the device while driving or operating a vehicle. Doing so may distract you from properly operating the vehicle. In some jurisdictions, operating communication devices while in control of a vehicle is a criminal offense.
- Do not apply adhesive labels to the device. They may cause the device to overheat and may alter the antenna's performance.

Connectors and Buttons

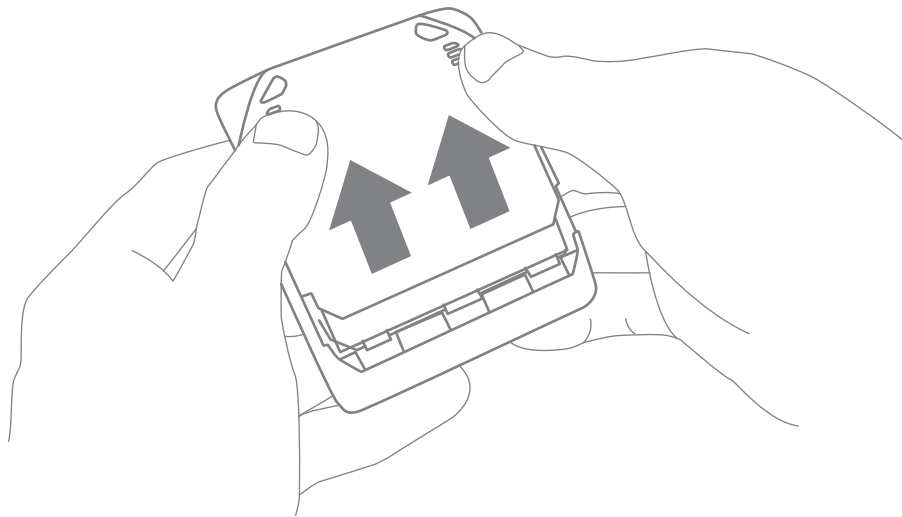


Battery

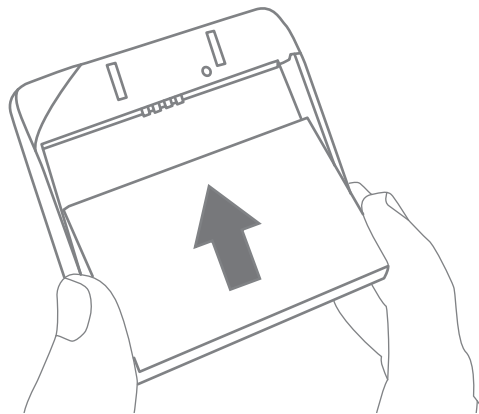
The battery compartment is on the back of the device. The battery is replaceable. If you need a new battery or want to purchase a battery extender (a high-capacity battery that provides improved battery life), visit the Sierra Wireless online store at <https://www.sierrawireless.com/eStore>. Chargers and other accessories are also available from the Sprint Store at www.sprint.com.

Installing the Battery

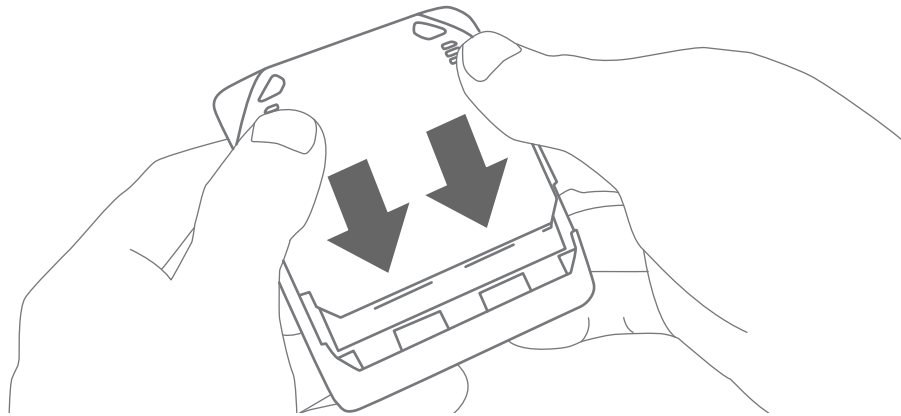
1. Using slight thumb pressure, slide the battery compartment cover upward to remove it.



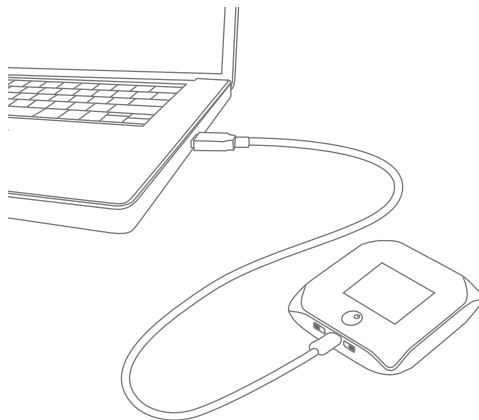
2. Insert the battery into the device, contacts end first. Make sure the battery contact points are aligned with those inside the battery compartment.



3. Replace the battery compartment cover.



Connecting Through USB



Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See "Making a Tethered Connection" on page 29.)

Use the micro-USB cable (included) to connect the device to your computer when:

- You want to charge the device, but you don't want to use the AC charger, or the AC charger is not available.
- Your computer does not have Wi-Fi.
- You want to block others from using the device. (See "Disabling Wi-Fi When Connected Through USB" on page 94.)

To connect the device to your computer:

1. Insert the larger end of the micro-USB cable into your computer.
2. Insert the other end of the cable into the micro-USB port on the side of your device.

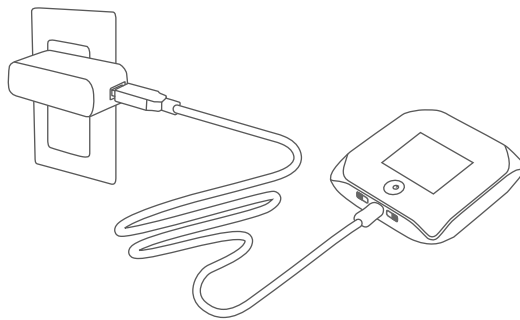
Note: If you're having problems, see "Cannot Connect Through USB" on page 134.

Charging the Device


You need to recharge your device's battery periodically. You can continue using your device while it is charging.

The faster method is to connect the device to the AC charger. (See "Using the AC Charger with Your Device's micro-USB Port" below.) Alternatively, you can connect the device to your computer, although this charges more slowly. (See "Charging Through Your Computer" on page 13.)



Using the AC Charger with Your Device's micro-USB Port



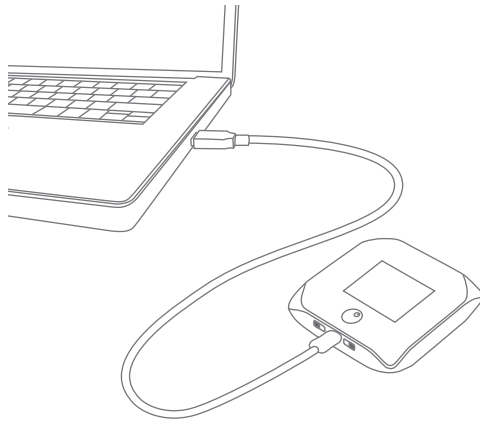
1. Insert the larger end of the micro-USB cable into the AC charger.
2. Insert the other end of the cable into the micro-USB port on the side of your device.
3. Insert the AC charger into an electrical outlet.

When charging, the LCD shows  and, if the device is off, displays a message "Charging... xx% complete" (where "xx" is a number value).

When the device is charged, the LCD shows:

-  (if the device is on)
-  and the message "Fully charged" (if the device is off).

Charging Through Your Computer



Notes: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See "Making a Tethered Connection" on page 29.)

If you're using Mac OS X 10.4.x, after you connect the device you may see a warning message that your computer is running on UPS backup battery and that you should perform a computer shutdown. You can continue with your work. To prevent this message from being displayed, install the device driver. (See "Making a Tethered Connection" on page 29.)

1. Make sure your computer is turned on.
2. Insert the larger end of the micro-USB cable into your computer.
3. Insert the other end of the cable into the micro-USB port on the side of your device.

When charging, the LCD shows .


When the device is charged, the LCD shows .

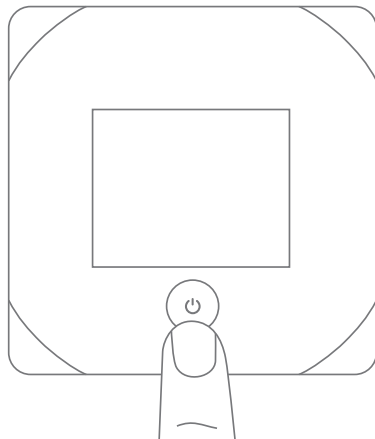
Power Button

Turning Your Device On and Off

Turning Your Device On

1. Make sure that:
 - The device has a charged battery inserted.
— or —
 - The device is connected to the AC charger or a computer (through the micro-USB cable), as explained above.


2. If the LCD is blank, press and hold the power button  for two seconds.






Turning Your Device Off

- Press and hold the power button  for 2 seconds.

Using the Power Button to Determine the Device State

The power button  on the device also indicates the device's status, as shown in the following table.

Power button 	Description	Your action
Not lit	The device is turned off.	To turn the device on, press and hold the power button  for two seconds.
	The device is turned on, but the LED is turned off.	Optionally, turn on the LED. (See “Enabling and Disabling the Power Button LED” on page 72).
Lit, flashing (approximately every 4 seconds)	The device is turned on, and the LED is turned on.	No action required.
Lit, flashing (approximately every 8 seconds)	The device is in standby (low power) mode. The following are off: LCD, Wi-Fi radio, 3G/4G radios. (For more information, see “Standby (Low Power) Mode” on page 49.)	To exit standby mode: Connect the device to the AC charger or computer through the micro-USB cable. – or – Press the power button  .

Controlling the Device Using the Power Button

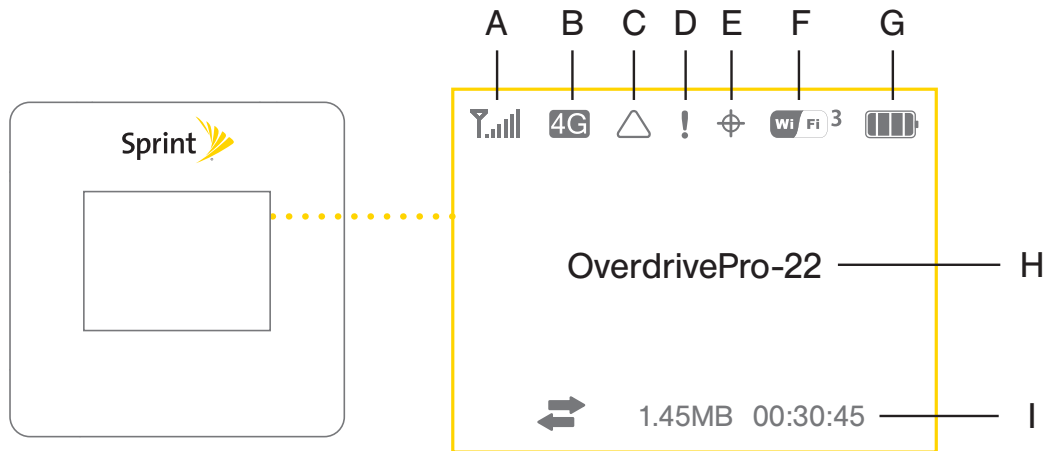
Type of press	Result
Quick press	<ul style="list-style-type: none">● Removes device from standby (low power) mode.● Wakes up (turns on) the LCD if the LCD was enabled but dormant. (The LCD turns dark, after a configurable time of inactivity.)● Confirms or acknowledges a displayed message.● Turns off display of the Wi-Fi network name and password.
Quick double-press	<ul style="list-style-type: none">● Wakes up (turns on) the LCD if the LCD was enabled but dormant. (The LCD turns dark, after a configurable time of inactivity.)● Briefly displays the Wi-Fi network name and password. (See “Wi-Fi Password Reminder” on page 90.)● Displays the next LCD information screen, if available. (See “LCD Information Screens” on page 17.)
Long press (press and hold for two seconds)	Turns the device on or off.

LCD

If the LCD is not lit, see “Turning Your Device On” on page 13.

Interpreting the LCD

The LCD shows icons and text that reflect the status of the device and your connection.



A	Signal strength
B	3G or 4G status
C	Roaming indicator
D	Alerts
E	GPS
F	Number of Wi-Fi users
G	Battery status
H	Device name. Message area.
I	Amount of data transferred; connection duration. Message area.

Tip: Most of the LCD icons and messages are also shown on the Virtual Device and Mini Window. (See “Virtual Device” on page 34 and “Mini Window” on page 34, and “Messages Displayed on the Device LCD” on page 131.)


The LCD can also display various information screens and messages, as described in the next section and on page 131 (“Messages Displayed on the Device LCD”).

LCD Information Screens

The LCD of the Overdrive Pro 3G/4G Mobile Hotspot can display, on separate screens, summary information for the following:

- Connection information (the Wi-Fi network name [SSID] and password [if the Wi-Fi Password Reminder feature is enabled])
- Alerts
- Data usage (displayed on the “Billing Info” LCD information screen)
- Network status
- Device information (for example, ESN or whether an update is available) (displayed on the “About...” LCD information screen)
- Software update status

When more than one information screen is available, the upper right corner of the LCD displays “(x/y),” where x and y represent “screen x out of y screens.” For example, (1/5) means that the first of five LCD information screens is shown.

To view the first LCD information screen or to go to the next screen, press the power button  on the device two times quickly (within a half-second interval).

Mute Switch

The mute switch is used to turn device sounds on or off. The mute switch is located on the side of your device, to the right of the microSD slot, as shown in the following drawing.



Tip: You can also disable sounds through the home page. (See “Sounds Information and Settings” on page 51.)

microSD Card Slot

Your device supports a microSD™ card (not included) for file sharing and transfer or storage. The microSD slot is located on the same side of the device as the micro-USB port. Your computer recognizes the microSD card as a removable storage device. The device supports microSD cards up to 32 GB.

Note: Using microSD cards larger than 32 GB can cause data loss and damage your device.

Section 3

Getting Your Device Ready

Section 3A

Setting Up Your Device

- ◆ Account Setup (page 20)
- ◆ Device Setup (page 20)

Account Setup

Normally your device will be set up on your Sprint account at the time of purchase.


To verify that your device is set up on your Sprint account:

1. Log in to your account at www.sprint.com by entering your username and password.
2. Confirm that the Overdrive Pro 3G/4G Mobile Hotspot is on your account with a Mobile Broadband connection plan.

If you don't see your device listed, you will need to contact Sprint Customer Service to complete setting up the device on your account. (See "Contacting Customer Service" on page 118.) Have the following available before calling:


- Your Sprint account information.
- The ESN number of your device (displayed on the packaging and inside the battery compartment).

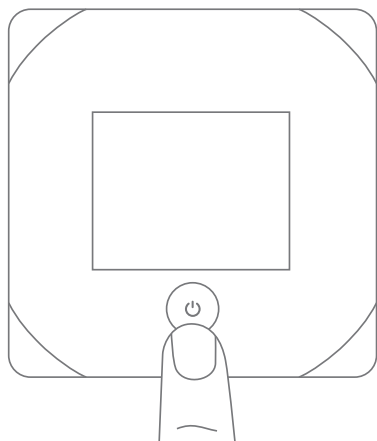
Device Setup

1. Install the battery, as described in "Installing the Battery" on page 10.
2. Connect the device to the AC charger, as described in "Using the AC Charger with Your Device's micro-USB Port" on page 12.
3. Plug the AC charger into an electrical outlet.
4. **Important:** Charge the device until the battery icon is full (.

Connecting to the Network

1. Make sure you are in a Sprint 3G or 4G coverage area (not roaming).
2. If you have a LAN connection, disconnect it.
3. Make sure your computer's Wi-Fi is turned on.

4. If the device LCD displays “Charging,” “Charged,” or “Powered off,” press and hold the power button  for two seconds.



5. Wait until the device LCD displays “Connect your computer to Wi-Fi network,” followed by the network name (SSID) and password. This may take several seconds.
6. On your computer, connect to the Wi-Fi network listed on the device LCD. If you don’t know how to do this, see “How Do I Connect to Wi-Fi?” on page 120. After you’ve connected to the Wi-Fi network, the device LCD displays “Open any web page to continue setup.”
7. Open your Web browser. The “Welcome to your Overdrive Pro” window opens.

Note: This window displays the administrator password and the address of the device home page. Please remember this information or write it down in a safe place.

This window provides several options.

- To keep the default settings of the device, click one of the following:
 - **The Internet** (to connect immediately to the Internet)
 - **My Overdrive Pro’s home page** (to view the device status, customize settings). Proceed to “Activating and Using Your Network Service” on page 24.
- To change security settings, click **Set up my Overdrive Pro**.

Changing the Password and Settings

During the device setup, you can select **Set up my Overdrive Pro** to change the following settings:


- **Administrator password** – This password is used to log in to the home page, where you can view and customize your device settings. The default password is “password.” Choose something easy-to-remember (yet not easily guessed by others). If you forget this password, you’ll need to reset the device to its default settings and go through the device setup (as described in “Device Setup” on page 20).

Your administrator password must be 1–20 characters long.

- **Wi-Fi network name (SSID)** – This name is visible to other Wi-Fi-enabled devices, and is used to identify your Wi-Fi network. The length of the Wi-Fi network name (SSID) depends on other settings of the browser interface. (See the Help bubble that's displayed when you move the cursor to the SSID input field.)
- **Wi-Fi security** – The default setting is WEP 64 Bit Open. To select another option, click **More options**. (See “Wi-Fi Security Options” on page 22.)
- **Wi-Fi password** – The maximum length of this field is determined by the **Wi-Fi security** option (the previous item). (See the Help bubble that's displayed when you move the cursor to the **Wi-Fi password** field.)

If you'll be sharing your Internet connection, you'll have to give the Wi-Fi password to other users; don't use your banking or other important passwords. Also, don't use a password that's easily guessed by others.

From this window you can also enable the Password Reminder feature, which is useful if you forget the Wi-Fi password (**Show Wi-Fi password on your device**). (See “Wi-Fi Password Reminder” on page 90.)

Tip: Help information on each field appears (in a bubble) when you move the cursor into the field. You can display this window any time, by clicking **Admin Setup**  in the home page. (See “Displaying the Home Page of the Device” on page 33.)

After you change the settings and click **Submit**, the device restarts and displays updated information on its LCD. Follow the instructions on the LCD, and proceed to “Your Device is Now Restarting” on page 24.

Wi-Fi Security Options

If you click **More options** (after having clicked **Set up my Overdrive Pro**, during the device setup), a window with several Wi-Fi security options opens.

Note: All the devices used with the Overdrive Pro 3G/4G Mobile Hotspot must support the selected security type.

The options displayed depend on the **Basic Rate** setting (in **Advanced Settings > Wi-Fi > Security**; see page 85).

If **Basic Rate** is “802.11b/g compatibility” or “802.11g only,” these options are shown:

- **WPA-Personal** – This is a strong security standard, supported by most Wi-Fi devices.
- **WPA2-Personal AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.
- **WEP-64 Bit** – This option provides security, but it's relatively weak. This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.
- **None** – No security is used (no password is required to access the Wi-Fi network); this setting is not recommended. Anyone may access your device and use your Internet connection. (You are responsible for payment for data usage fees.)

If **Basic Rate** is “802.11b/g/n compatibility,” these options are shown:

- **WPA2 Personal - AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.
- **WPA/WPA2 Personal** (recommended setting) – Wi-Fi devices that use either WPA or WPA2 can connect to the Overdrive Pro 3G/4G Mobile Hotspot. Most Wi-Fi devices support this type of security.
- **None** – No security is used (no password is required to access the Wi-Fi network); this setting is not recommended. Anyone may access your device and use your Internet connection. (You are responsible for payment for data usage fees.)

If the above options don’t meet your requirements, click **I don’t see what I want...** (This link might not be displayed, depending on the **Basic Rate** setting.)

Expanded Wi-Fi Security Options

If you click **I don’t see what I want...** (from the Wi-Fi Security Options window during the device setup), a window with an expanded list of Wi-Fi security options opens.

Note: All the devices used with the Overdrive Pro 3G/4G Mobile Hotspot must support the selected security type.

You can also view the expanded list of Wi-Fi security options in the **Security** panel of the **Wi-Fi** tab of the **Advanced Settings** window. (See “Accessing the Advanced Settings Window” on page 76.)

Some of the following options may be displayed, depending on the **Basic Rate** setting (see “Security Panel” on page 85):

- **None** – No security is used (no password is required to access the Wi-Fi network); this setting is not recommended. Anyone may access your device and use your Internet connection. (You are responsible for payment for data usage fees.)
- **WEP 64 Bit - Shared** – This option provides security, but it’s relatively weak. This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don’t support WPA or WPA2.

Shared WEP uses the same key for encryption and authentication; some consider shared WEP to be less secure than open WEP.

- **WEP 128 Bit - Shared** – This option provides security, but it’s relatively weak (but stronger than **WEP 64 Bit - Shared**). This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don’t support WPA or WPA2.

Shared WEP uses the same key for encryption and authentication; some consider shared WEP to be less secure than open WEP.

- **WEP 64 Bit - Open** – This option provides security, but it’s relatively weak. This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don’t support WPA or WPA2.

Open WEP uses the key for encryption, but not for authentication.

- **WEP 128 Bit - Open** – This option provides security, but it's relatively weak (but stronger than **WEP 64 Bit - Open**). This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.

Open WEP uses the key for encryption, but not for authentication.

- **WPA Personal - TKIP** – This is a strong security standard that is supported by most Wi-Fi devices.
- **WPA Personal - TKIP/AES** – This is a strong security standard that is supported by most Wi-Fi devices.
- **WPA2 Personal - AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.
- **WPA2 Personal - TKIP/AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.
- **WPA/WPA2 Personal** (recommended setting) – Wi-Fi devices that use either WPA or WPA2 can connect to the Overdrive Pro 3G/4G Mobile Hotspot. This setting is supported by most Wi-Fi devices.

Your Device is Now Restarting

The “Your device is now restarting” window opens if you've clicked **Set up my Overdrive Pro** and then clicked **Submit**.

The changes take effect after the device restarts automatically.

You should write down the following information that's displayed in the window:

- Wi-Fi network name
- Wi-Fi password

To complete the process:

1. Wait until the device LCD displays “Connect your computer to Wi-Fi Network.”
2. Connect your computer to the Wi-Fi network, using the information you've written down. (If you don't know how to do this, see “How Do I Connect to Wi-Fi?” on page 120.)
3. After the Wi-Fi connection was successfully established, click the **Click here** text in the window.

Activating and Using Your Network Service

Note: If you're able to connect to 3G, you are already set up to use Sprint service on the 3G network; no further action is needed. Proceed to “Using Your Device” on page 27.

Before using your device, you must have a Sprint wireless network account set up. The process of setting up an account is called **activation**. When the device starts up, it will detect whether the device has been configured with an account (“preactivated”). If it has not, the activation process starts automatically.

In most cases, the activation process will be seamless, not requiring any action from your part; in some cases, you won't even see any activation-related messages displayed on the device LCD.




Initiating Activation of Your Device for 3G

In rare cases, the device LCD and the home page may indicate that activation is required:

- The LCD displays “3G Activation failed.”
- The home page displays the alert “3G Activation Required.”

Note: You will still be able to connect to the Internet when you have 4G coverage.

To activate your device for 3G:

1. In the address bar of your Web browser, type **http://192.168.0.1** to display the home page.
2. In the **Admin Login** section (in the upper left area of the home page), enter the administrator password (1–20 characters/numbers). (The default password is “password”.)
3. Click **OK**.
4. Click the alerts icon  to display the alert window.
5. If more than one alert is available, use the  and  buttons (at the top of the alert window) to browse to the “3G Activation Required” alert.
6. In the alert, click **Activate now**.

If the activation fails, contact Sprint. (See “Contacting Customer Service” on page 118.)

Section 4

Using Your Device

Section 4A

Connecting Through USB

- TRU-Install (page 28)
- Requirements for a USB Tethered Connection (page 28)
- Making a Tethered Connection (page 29)

TRU-Install

TRU-Install is a feature that installs the necessary drivers the first time you connect your device to your Windows or Mac computer through the micro-USB cable. (For details, see “Making a Tethered Connection” on page 29.) An installation CD is not required.

TRU-Install is enabled by default.

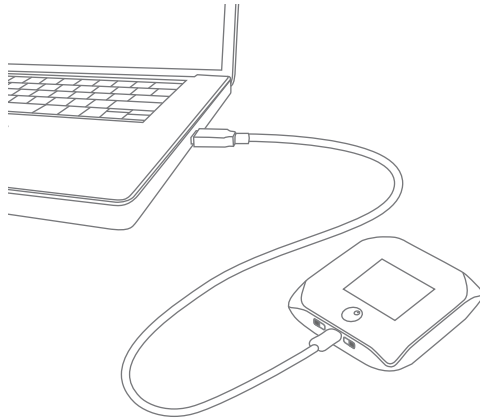
To change the setting:

1. In the address bar of your Web browser, type **http://192.168.0.1** to display the home page.
2. Make sure you're logged in to the home page (the text “Admin Logged in” is displayed near the upper left corner of the home page). If you're not logged in, in the **Admin Login** section (in the upper left area of the home page), enter the administrator password (1–20 characters or numbers). (The default password is “password.”)
3. Click **Advanced settings > Device > Basic**.
4. Select a value for **TRU-Install**.

Requirements for a USB Tethered Connection

Your device supports a direct connection through a USB cable to a Windows or Mac computer. (This is commonly referred to as a “tethered” connection.)

Making a Tethered Connection




Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver (see below). No installation CD is required – the device supports the TRU-Install feature.

If you're using Mac OS X 10.4.x, after you connect the device you may see a warning message that your computer is running on UPS backup battery and that you should perform a computer shutdown. You can continue with your work. To prevent this message from being displayed, install the device driver (see "Mac" on page 29).

Windows

To install the device driver on Windows:

1. Make sure the device is turned on.
2. Connect the device to your computer through the micro-USB cable.
3. If the TRU-Install window is not displayed, in Windows Explorer browse to the  TRU-Install entry (under My Computer), then browse to the Win folder and run **Setup.exe**.

– or –

If you're running Windows Vista and the AutoPlay window opens, click **Run setup.exe**.

4. In the TRU-Install window, click **OK**.
5. Install the Sierra Wireless USB driver. (Follow the onscreen instructions.)

Mac

To install the device driver on Mac:

1. Make sure the device is turned on.
2. Connect the device to your computer through the micro-USB cable.
3. In the window that appears, double-click the **.pkg** file.
4. Install the Sierra Wireless USB driver. (Follow the onscreen instructions.)
5. When prompted for your password, enter your Mac password.

Connecting the Device to Your Computer

1. Insert the larger end of the micro-USB cable into your computer.
2. Insert the other end of the cable into the micro-USB port on the side of your device.

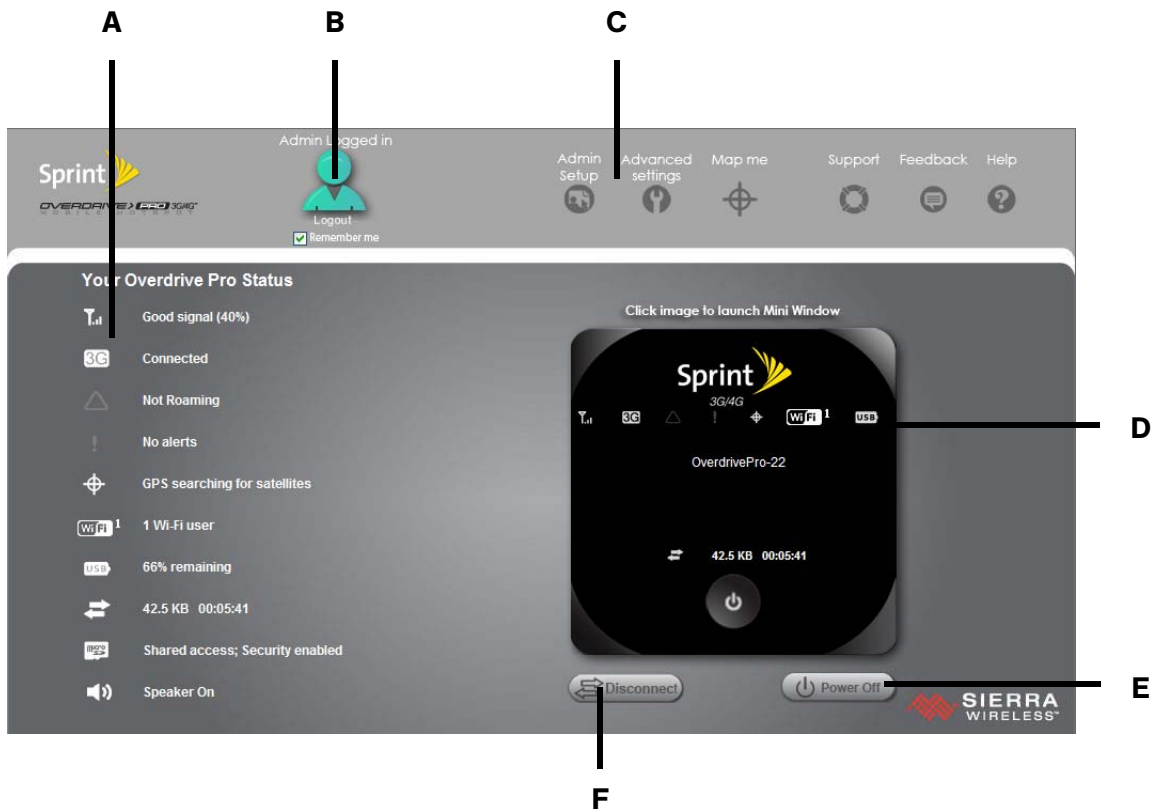
Section 4B

Browser Interface Home Page

- ◆ **Displaying the Home Page of the Device (page 33)**
- ◆ **Logging On as an Administrator (page 33)**
- ◆ **Virtual Device (page 34)**
- ◆ **Mini Window (page 34)**
- ◆ **Turning Your Device Off (page 35)**

The home page is the entry page of the browser interface that lets you:

- Display status information for your device and your data connection.
- Launch and end a network connection.
- Change the settings for your device and your data connections (if you're logged in).
- Access additional resources (the user guide and the Important Information document).



A	When you click an icon or the text next to it, a window opens to the right (see the screenshot on page 43). The window contains additional status information and, if you're logged in, commonly-used configurable settings. (See "Icons and Text" on page 42.)
B	Use this area to enter the administrator password and log in. When you're logged in, you can change settings. (See "Logging On as an Administrator" on page 33.)
C	Clicking one of these buttons displays a window or a menu. (See "Home Page Buttons" on page 52.)
D	This is the Virtual Device; it reflects the status of your device. If you click the image, a movable Mini Window is opened. (See "Virtual Device" on page 34 and "Mini Window" on page 34.)
E	A handy way to turn the device off, especially if, for example, you're in an airplane before takeoff, and the device is in your overhead bag. (This button is available only if you're logged in.)
F	Disconnects a connection, or connects (if currently there's no connection). (This button is available only if you're logged in.)

Displaying the Home Page of the Device

Note: You can display the home page only when your device is turned on and you have established a connection to it (through Wi-Fi or through the micro-USB cable).

To display the home page, type one of the following in the address bar of your Web browser:


- **http://OverdrivePro**
- **http://192.168.0.1**
- **SSID** value (field in **Advanced settings > Wi-Fi > Network** and also in **Advanced settings > Router > LAN**)

Note: If you're using the Google Chrome Web browser, after typing in the address bar, press the Down Arrow key and then the Enter key. (If you press only the Enter key, a Google search is started, using the information you typed in.)

If your Web browser displays an error message, see “Cannot Display the Home Page” on page 134.

Logging On as an Administrator

You don't need to log in to access and use the home page. When you log in:

- Additional information appears in the window that opens when you click an item on the left side of the home page. (See “Icons and Text” on page 42.)
- You can access the **Advanced Settings** window, where you can modify additional settings.
- You can rerun the device setup, if required (**Admin Setup** ).
- You can install updates.

To log in:

1. Make sure that nobody else is already logged in – other people can use the home page at the same time, but only one user can be logged in.
2. In the **Admin Login** section (in the upper left area of the home page), enter the administrator password (1–20 characters or numbers). (The default password is “password.” It's recommended you change the password, if you haven't already.)
3. Click **OK**.

After a period of inactivity, you will be automatically logged off (timeout security feature), unless you select **Remember me** (below the password field). (For more information, see “Automatic Login (“Remember Me”)” on page 75.)

Virtual Device

The right half of the home page contains an image of your device.



This is a “virtual device” – it reflects most of the icons and text displayed on the real device.

Mini Window

If you click the virtual device in the home page, the Mini Window opens – an image of the device in a separate Web browser window.




Similar to the virtual device, the Mini Window reflects most of the icons and text displayed on the real device.

To save space on your monitor, you can close the home page and move the Mini Window to the side of your monitor. Then you can use the window to keep an eye on the status of your device and connection. (To reopen the home page, click the **Home** link.)

If you're logged in, the window has a **Connect** or **Disconnect** button, and a **Power Off** button.

Turning Your Device Off

- From the home page:
 1. Make sure you're logged in to the home page.
 2. Click **Power Off** (below the Virtual Device).
- From the Mini Window:
 1. Make sure you're logged in to the home page.
 2. Click **Power Off**.

Tip: You can also turn the device off by pressing and holding the power button  for 2 seconds.

Section 4C



Alerts

- ◆ 3G Activation Required (page 36)
- ◆ 3G Network Update Available (page 37)
- ◆ GPS Privacy Agreement (page 37)
- ◆ SD Card Error (page 38)
- ◆ Software Update Available (page 38)

The alerts icon  indicates whether there are any alerts (messages that require your attention).

The icon is on the left side of the home page.

Click the icon to display the Alert window. If more than one alert is available:

- The higher priority alert opens.
- When you close an alert, the next alert opens.
- You can use the  and  buttons (at the top of the alert window) to view other alerts.




The options and instructions shown in the alert window depend on the alert event. Please read the instructions carefully. They may state, for example, that you have to reconnect to Wi-Fi after an update is installed.

Tip: You can view a list of available alerts on the “Alerts” LCD information screen. (See “LCD Information Screens” on page 17.)

3G Activation Required

If only 3G coverage is available, you won't be able to connect to the Internet until 3G activation has been completed.

To activate 3G on your device:

1. Make sure you have 3G coverage.
 2. Make sure you're logged in to the home page.
 3. Click the alerts icon  to display the alert window.
 4. If more than one alert is available, use the  and  buttons (at the top of the alert window) to browse to the alert.
 5. In the 3G Activation Required alert window, click **Activate now**. (Activation is then performed over the network; no user interaction is required.)
- If activation is successful, “Activation complete!” is displayed. You can now connect to the 3G network. If the connection is not established automatically, click **Connect** on the home page or Mini Window.

- If activation was not successful, “Activation failed” is displayed. Retry the activation. If it is not successful, contact Sprint Customer Service and have the following available:
 - Your billing information.
 - ESN of the device (displayed on the packaging, inside the battery compartment, and at **Advanced settings > Device > About**).




3G Network Update Available

The 3G Network Update Available alert appears if a PRL update or 3G profile update is available for your device. The update may improve your 3G network service.

Note: During installation of the update:

- DO NOT turn off or unplug the device.
- Your 3G connection won't be available. (Your 4G connection won't be affected.)


To install the update:

1. Make sure you have 3G coverage.
2. Make sure you're logged in to the home page.
3. Click the alerts icon  to display the alert window.
4. If more than one alert is available, use the  and  buttons (at the top of the alert window) to browse to the alert.
5. In the 3G Network Update Available alert window, click **Update now**.

GPS Privacy Agreement

The GPS Privacy Agreement alert appears if you haven't accepted the GPS privacy agreement. (You cannot use GPS until you accept the GPS privacy agreement and then enable GPS.)

To accept the GPS privacy agreement:

1. Make sure you're logged in to the home page.
2. In the vertical row of icons (down the left side of the home page), click the GPS icon () and, in the window that's displayed, click **View privacy agreement**.

– or –

Display the GPS Privacy Agreement alert window. (See “Alert Information” on page 46.)

3. Read the agreement, and select **I have read the foregoing and hereby agree to**

SD Card Error

If you're having problems reading from the microSD card, or if the SD Card Error alert window opens or the device LCD displays "SD Card error," try the following:

1. Remove and reinsert the microSD card.
2. If the card is still not working, try it in the microSD slot of another computer.
If it works in the other device, the card slot on your device may have a problem.
If the card doesn't work in the other computer, try one of the following:
 - Use a different microSD card.
– or –
 - Reformat your card.

Note: The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved. To prevent the loss of important data, please check the contents before you format the microSD card.

Software Update Available




The update may improve performance and add or modify features.

Note: During installation of the update, your Internet and Wi-Fi connections won't be available. When the installation is complete, you will need to reconnect to Wi-Fi.

To install the update:

1. Make sure your device is connected to the AC charger or computer through the micro-USB cable.

Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See "Making a Tethered Connection" on page 29.)

2. Make sure you're logged in to the home page.
3. Click the alerts icon  to display the alert window.
4. If more than one alert is available, use the  and  buttons (at the top of the alert window) to browse to the alert.
5. In the Software Update Available alert window, click **Update Options**.
6. Read the information in the Software Installation Options window.

7. To install the update, click **Download and install now.**

– or –

If you are not in a strong signal area, make a note of the URL displayed in the window and click **I'll get the update later.** At a later time, access the URL to download the update to your computer, and then follow the steps in “Upgrading Firmware From a File” on page 63.

When the installation is complete, reconnect to Wi-Fi. (See “How Do I Connect to Wi-Fi?” on page 120.)

Section 4D

Your Network Connection

- ◆ [Launching Your Network Connection \(page 40\)](#)
- ◆ [Sharing Your Connection \(page 40\)](#)
- ◆ [Ending Your Network Connection \(page 41\)](#)

Launching Your Network Connection

After the device powers on and boots up, a connection to the 3G or 4G network is launched automatically, unless you've disabled **Connect Automatically**.

You will need to manually launch a connection if:

- The connection was not successful.
- You've disabled auto-connect.
- You've enabled auto-connect and also **Disable when roaming**, and have lost the connection while roaming in 3G coverage (no 4G coverage).
- You've manually ended a connection (by clicking **Disconnect**).


To launch a connection:

▶ Click **Connect** on the Virtual Device on the home page. (You must be logged in.)

– or –

Click **Connect** in the Mini Window. (You must be logged in.)

– or –

If the device LCD displays "Disconnected from 3G/4G network. Connect now?", press the power button  on the device.

See also:

- "Internet Connection Information" on page 49.
- "Mobile Broadband Information and Settings" on page 44.
- "3G Roaming Information and Settings" on page 45.
- "Signal Information" on page 43.

Sharing Your Connection

For other users to share your network connection:

1. Provide the Wi-Fi network name and password to them.
2. On their computer, users must connect to the Wi-Fi network of the Overdrive Pro 3G/4G Mobile Hotspot. (See "How Do I Connect to Wi-Fi?" on page 120.)

Ending Your Network Connection


1. Make sure you're logged in to the home page.
2. Click **Disconnect** on the Virtual Device or in the Mini Window. (See "Virtual Device" on page 34 and "Mini Window" on page 34.)

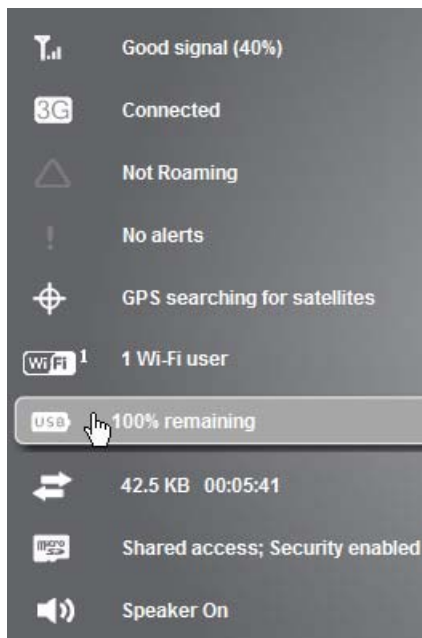
Note: The Wi-Fi connection is still available, so users can, for example, share files by using a microSD card.

Section 4E

Icons and Text

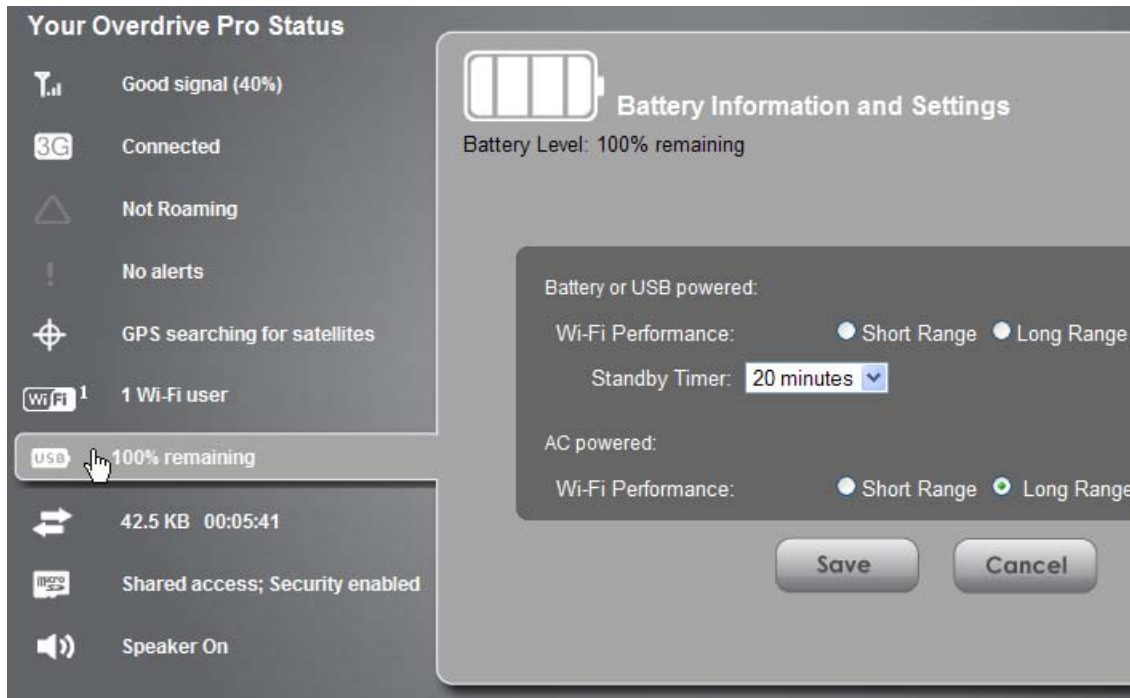
- ◆ Signal Information (page 43)
- ◆ Mobile Broadband Information and Settings (page 44)
- ◆ 3G Roaming Information and Settings (page 45)
- ◆ Alert Information (page 46)
- ◆ GPS Information and Settings (page 46)
- ◆ Wi-Fi Users Information and Settings (page 47)
- ◆ Battery Information and Settings (page 48)
- ◆ Internet Connection Information (page 49)
- ◆ microSD Card Information and Settings (page 50)
- ◆ Sounds Information and Settings (page 51)

The left part of the home page has a vertical row of icons and text, starting with the signal strength indicator .



Most of these icons are also shown on the physical device and Virtual Device (page 34). When you hold the mouse over an icon, the corresponding icon on the Virtual Device is highlighted.




If you click an icon or the text, a window opens with additional information, as shown in the following screenshot.



If you're logged in, the window may also display configurable settings.

Note: A more complete set of configurable settings is available in the **Advanced Settings** window. (See "Advanced Settings" on page 53.)

Signal Information

-  No signal
-  Very weak signal
-  Excellent signal

Click the signal strength icon to display the Signal Quality window. The window displays:

- The active network – the network that is currently being used for your data connection. For example, "3G (EVDO Rev A)."
- 3G or 4G status:
 - Connection status. For example, "Connected."
 - Tables that show the coverage type, RSSI, and Ec/Io (for 3G) or CINR (for 4G).
RSSI reflects the signal strength of the network.

E_c/I_o is a dimensionless ratio of the average power of a channel, typically the pilot channel, to the total signal power.

CINR stands for Carrier to Interference-plus-Noise Ratio and is a measurement of signal effectiveness.

The first table also shows the type(s) of 3G service you have: 1X, 1xEV-DO, or both. (To determine whether you have EV-DO Rev. 0 or Rev. A service, use the text near the 3G icon; see “Mobile Broadband Information and Settings” on page 44.)

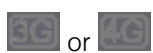
- **Scan for 4G** button (available only if 4G is in power save mode – the LCD of the device displays “Power Save Mode. 4G Network not found”). Click this button to search for and attempt to connect to a 4G network. (Whether or not a connection to 4G occurs depends on the WAN Mode setting; see “Setup Panel” on page 80.)

Tip: If 4G is in power save mode, you can also scan for 4G from the “Network Status” LCD information screen. (See “LCD Information Screens” on page 17.)

See also “Improving Signal Strength” on page 126.

Mobile Broadband Information and Settings

The 3G or 4G icon indicates the service and connection state. Note that only one icon is shown (the active network).



or

You have no service. Try the suggestions in “Cannot Connect to the 3G or 4G Network” on page 135.



or

You have service but are not connected.



or

You have service and are connected.

The text next to the icon displays the connection status, for example, “No service,” or “Connected.”

Click the icon to display the Mobile Broadband Information window. The window displays:

- The active network – the network that is currently being used for your data connection. For example, “4G” or “3G (EVDO Rev A).”
- 3G and 4G status. For example, “Connected.”
- **Connection Preferences** (if you’re logged in).

Configuring the 3G/4G Connection Preferences

The value determines which network(s) to connect to, and in what order:

- **3G Preferred** – Connection can be established to either 3G or 4G; if both are available, 3G is used.
- **4G Preferred** – Connection can be established to either 3G or 4G; if both are available, 4G is used. This setting is recommended if your service provider has no data limit for 4G, but does for 3G, or you want to take advantage of the faster data transfer speeds of 4G.
- **3G Only** – Connection can be established only to 3G.
- **4G Only** – Connection can be established only to 4G.




If you don't have 4G coverage, you can save power by selecting **3G Only**.

To automatically connect to the network upon loss of connection or when the device powers on, select **Connect Automatically**. To prevent this from happening when you're roaming on 3G, also select **Disable when roaming**.

Note: **Disable when roaming** does not prevent you from roaming; it only prevents a connection (that was lost while roaming) from automatically being reestablished.

3G Roaming Information and Settings

The roaming indicator shows whether you are roaming. The text near the icon may indicate additional details.

-  Not roaming
-  Roaming
-  [flashing] Enhanced roaming indicator

Note: Roaming on 4G is not supported.

Click the roaming indicator to display the 3G Roaming Information window. The window displays:

- Roaming status.
- **Allow 3G roaming** field (if you're logged in).
 - If you select this field, you can roam and connect when outside of Sprint coverage, but additional charges may occur. (To roam outside of the United States and Puerto Rico, you must also select **Allow international access**.)
 - If you do not select this field, you can connect only when you're inside a Sprint coverage area.

Note: If you change the value of this field, the device restarts (after you click **Save**).



- **Allow international access** field (if you're logged in) – allows roaming outside of the United States and Puerto Rico (for example, in Canada).

If this field is not displayed, select **Allow 3G roaming**.

Alert Information

The alerts icon indicates whether there are any alerts (situations that require your attention).




Note: To view alert information, you must be logged in. New alerts are checked upon device power-up. That is, if an event occurs, you won't be notified until the device is restarted.

-  No alerts are available.
-  One or more alerts are available.

The text next to the icon indicates the number of alerts.

Click the icon to display the Alert window. (For more information, see “Alerts” on page 36.)

GPS Information and Settings

-  GPS is off (not enabled).
Before you can use GPS, you must accept the GPS privacy agreement and enable GPS. (See “GPS Privacy Agreement” on page 37 and “Enabling GPS” on page 59.)
-  GPS is on and available. (The GPS privacy agreement has been accepted, and GPS is enabled.)
-  (flashing) GPS is active (acquiring a location fix).

The text next to the icon displays the GPS status, for example, “GPS not enabled” or “GPS searching for satellites.”

Click the icon to display the GPS Information and Settings window. The window shows the GPS status and, if available, location information, including:

- **HEPE** – The Horizontal Estimated Position Error reflects accuracy (horizontal/vertical precision).

Note: For best results, minimize the number of obstructions between your device and the GPS satellites.

- **Timestamp** – This indicates the time of the last fix.

Configuring the Settings

When you're logged in, the following settings are available.

View privacy agreement (link displayed if you haven't yet accepted the GPS privacy agreement). You cannot enable and use GPS until you accept this agreement. Click the link to view and then accept the agreement.

Enable GPS – To use GPS and to configure other GPS settings, this check box must be selected.

GPS Mode – This setting determines how often the device should obtain a fix.

- **One-time** – A single fix is used. Use this option if you'll be using your device at the same location.
- **Continuous** – Fixes are obtained on a regular basis; also known as auto-tracking. This is useful for turn-by-turn (TBT) navigation applications, such as driving directions.


Get fix now – This button starts a one-time fix (not displayed if **GPS Mode** is **Continuous** or a GPS session is already in progress). If you change the value from **Continuous** to **One-time**, you must click **Save** before your changes take effect and the fix becomes possible.

Mapping service – This determines the mapping service (for example, Google Maps or MapQuest) that displays the GPS results (in a separate browser window).

Metric units – This setting specifies whether to use metric when displaying the GPS results (for example, the altitude, speed, HEPE).

Note: Additional settings are available at **Advanced settings > WAN > GPS**. (See "GPS Settings" on page 97.)

Wi-Fi Users Information and Settings

The Wi-Fi users icon shows how many Wi-Fi users are connected to the device – for example,  shows that no (zero) users are connected.



The icon is on the left side of the home page.

Click the icon to display the Connected Users window.

Connected Users Information

When you're logged in, the Connected Users window shows a table with information on computers currently connected to the device.

A row may show one or both of these icons:

-  – The user of this computer is logged in as administrator.
-  – This computer is connected to the device through the micro-USB cable.

MAC Address – Each wireless device has a unique MAC address (assigned by its manufacturer). On Windows PCs, the MAC address is called the "physical address;" on a Mac computer, it is called the "Ethernet ID." (See "Finding the MAC Address" on page 128.)

Block – Use this to block a computer’s access to the device. You might want to do this if:

- You don’t recognize a listed computer.
- You have lots of data to transfer (you want to be the sole user of the bandwidth).
- You’re approaching the data limit on your account.

Max Wi-Fi users – You can limit the number of Wi-Fi users (maximum of eight) that can connect to the device. A smaller number improves performance and security.

Disable Wi-Fi – This setting specifies when to turn off the Wi-Fi of the device.

- **Always** – Select this value if you always want to use the device in tethered mode and you want to make sure the device is never broadcasting any Wi-Fi signals.
- **When connected to USB** – Only a computer connected through the micro-USB cable to the device will be able to use it.

Battery Information and Settings

The battery icon indicates the state of the battery of the device.

The text next to the icon displays additional information, for example, the charging status (% remaining or % complete). If “Charging paused” is displayed, see “What Do I Do if the Home Page Displays “Charging paused”?” on page 122.

Tip: You can also check the battery icon from the Home page, Mini Window, and device LCD.



Battery level is critical. Charge the device immediately. (See “Charging the Device” on page 12.)



No battery; connected to an electrical outlet (through the AC charger).



Connected to USB. Battery is either charging or is not inserted.



Charging through the AC charger.



Battery is low. Charge the device. (See “Charging the Device” on page 12.)



Battery is charged.


Click the icon to display the Battery Information and Settings window.

When you’re logged in, you can set the behavior for when the device is:

- **Battery or USB powered.** Choose one of the following:
 - **Short Range** – This setting improves battery life, at the cost of shorter Wi-Fi range.
 - **Long Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot, at the cost of shorter battery life and the increased possibility of interference with/from other nearby WiFi devices.

- **AC powered.** Choose one of the following:
 - **Short Range** – Choose this setting if you have a designated wireless area and you need to minimize the effect of your network on other networks in the vicinity.
 - **Long Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot but increases the possibility of interference with or from nearby wireless networks.

Standby (Low Power) Mode


When the device is in standby (low power) mode, the 3G/4G modem radios, the Wi-Fi radio, and the LCD are off, and the power button  is flashing (approximately every 8 seconds).

When you're logged in, you can set how soon the device goes into standby mode when no Wi-Fi users are connected to it (**Standby Timer**).

You can specify different settings for battery power and AC power. (See “Basic Panel” on page 76.)


Note: This setting has no effect when the device is connected to a computer through the micro-USB cable.

To exit standby mode:

- ▶ Connect the device to the AC charger or computer through the micro-USB cable.
- or –
- Press the power button .

Internet Connection Information

Note: Data usage amounts are approximate and should not be used for billing purposes. For accurate data usage amounts, check with Sprint.

Click the data icon  to display the Internet Connection Information window. The window displays:

- Data statistics for the current connection session:
 - Data sent
 - Session duration
 - Data received
 - Total transferred
- **WWAN IP Address** – This is the external IP address of the modem [3G or 4G] (that is, the IP address of the modem as seen from the Internet).
- **More info** – Click this link to display, when you're connected to the network, the following information:
 - **WAN DNS Primary** – This is the address of the Internet system used to translate names (for example, sprint.com) into IP addresses.

- **WAN DNS Secondary** – This is the address of the Internet system used to translate names (for example, sprint.com) into IP addresses. The secondary DNS is used when there is a problem with the primary DNS.
- **Default Gateway** – This is the address of the node on the computer network that the network software uses when an IP address does not match any other routes in the routing table (that is, when an IP packet's destination address is outside of the local subnet).
- **WAN MTU size** – This is the size of the largest packet (“Maximum Transmission Unit”) that a network protocol can transmit.

Viewing and Configuring Detailed Internet Connection Information

When you're logged in, the Internet Connection Information window displays a table showing data use:

- In the current cycle or since you last reset the data usage figures – whichever occurred more recently. These numbers get automatically reset to 0 on the day selected in the **Starts on day** list.
- Over the lifetime of the device.
- By network [3G and 4G], and by sent, received, and total.

From this window you can:

- Reset the data usage figures for the current billing cycle. (Click **Reset**.)
- Change the start day of the billing cycle (in the **Starts on day** list).
- See the number of days left in the cycle.

microSD Card Information and Settings

The text next to the microSD icon () indicates whether the card is:

- Enabled
- Detected
- Accessible by all (“shared”) or only the administrator
- Accessible with or without a password (security)


Click the icon to display the SD Card Information and Settings window. The window displays:

- The card status (see the list above)
- Storage capacity of the card, and space available (displayed only if a card is detected)
- A button to safely eject the card (**Safe-Eject SD Card**; displayed only if a card is detected)

When you're logged in, you can:

- Enable or disable the microSD card slot. (See “Enabling the microSD Card Slot” on page 55.)
- Set up access to the card. (See “Setting Up Access to the microSD Card” on page 55.)

Sounds Information and Settings

The sounds icon () shows whether the device speaker is on.



The device speaker is on.




The device speaker is off.

Click the sounds icon to display the Sounds window. The window displays:

- Status of the device speaker (on or off).
- If you're logged in, check boxes to enable or disable sounds for the following events:
 - **Internet connected** – A sound is played when you connect to the Internet.
 - **Low battery** – A sound is played when the battery is low. This is useful as a reminder to charge the device.
 - **Internet disconnected** – A sound is played when you lose the connection to the Internet.
 - **System alerts** – A sound is played when a system alert occurs. You can then use the device LCD or the Alerts window to get information about the alert. (See “Alert Information” on page 46.)

Note: System alerts include several types of events, for example:

- Critical battery
- Critical temperature
- Software update available
- Network update available
- Routing hardware settings reset
- Device startup failure

- **Wi-Fi user has joined** – A sound is played when a Wi-Fi user connects to your network. This is useful, for example, to detect an unwelcome Wi-Fi user if you're the only one using the device.
 - **Enter standby mode** – A sound is played when the device enters standby mode. (See “Standby (Low Power) Mode” on page 49.)
 - **Wi-Fi user has left** – A sound is played when a Wi-Fi user disconnects from your network.
 - **Last user has left** – A sound is played when the last Wi-Fi user disconnects from your network. You can turn the device off if nobody will be using it for awhile.
- If you're logged in, for each of the above events, click  to play each corresponding sound.

Tip: You can also disable all sounds through the mute switch on the device. (See “Mute Switch” on page 17.) If you've enabled the sounds through the home page, but there are no sounds when an event occurs, check the position of the mute switch.

Section 4F

Home Page Buttons

- ◆ **Top Row of the Home Page Buttons** (page 52)
- ◆ **Bottom Row of the Home Page Buttons** (page 54)

Top Row of the Home Page Buttons

The top horizontal part of the home page has the following buttons:

- **Admin Login** – Click this button to log on as administrator. (See “Logging On as an Administrator” on page 33.)
- **Admin Setup** – Click this button to rerun the device setup, for example, after you’ve reset the software to default settings. (See “Welcome to Your Device Window - Select an Option” on page 116.)
- **Advanced settings** – Click this button to display a window from which you can configure all the settings of the device and the browser interface. (See “Advanced Settings” on page 53.)
- **Map me** – Use this button to do one of the following:
 - Open a Web browser window that shows your current location. (See “Viewing Your Current Location in a Web Browser” on page 60.)
 - Search for the closest gas station, restaurant, other points of interest, or do a custom search. (See “Performing a Location Search” on page 60.)
- **Support**. This button opens the online support site in a new Web browser window or tab. (See “Support Button” on page 53.)
- **Feedback** – Use this button to send your comments on the device. (See “Feedback” on page 53.)
- **Help** – This button displays a menu with options to open online help, the user guide, or the important information booklet.

Admin Setup Button

This button displays a window where you can change the administrator password, Wi-Fi network name (SSID), Wi-Fi security type, and Wi-Fi password.

For more information, see “Welcome to Your Device Window - Select an Option” on page 116.

Advanced Settings

From the Advanced Settings window you can configure all the settings of the device and the browser interface.

The Advanced Settings window has the following tabs, each with several panels:

- Device tab. (See “Device Tab” on page 76.)
- WAN tab. (See “WAN Tab” on page 80.)
- Wi-Fi tab. (See “Wi-Fi Tab” on page 84.)
- Router tab. (See “Configuring the Router Tab” on page 100.)

For most fields and buttons, contextual help, if enabled, appears to the right of the window when you move the cursor over an item. (For more information, see “Contextual Help in the Advanced Settings Window” on page 119.)

To access the Advanced Settings window:

1. Make sure you’re logged in to the home page.
2. Click **Advanced settings** (.

Map me Button

The **Map me** button is used for GPS/Location Based Services: you can, for example, search for the closest gas station, restaurant, other points of interest, or do a custom search.

See “Sprint Location Services” on page 59.

Support Button

The **Support** button opens the online support site in a new Web browser window or tab.

Note: This button is available only when you’re connected to the Internet.

Feedback

The **Feedback** button opens the online feedback site in a new Web browser window or tab.

Note: This button is available only when you’re connected to the Internet.

Help Button

This button displays a menu with options to:

- Display the online Help.
- Download the user guide.
- View the important information booklet. This booklet contains regulatory notices, warranty, and other information.

Bottom Row of the Home Page Buttons

These buttons are displayed below the Virtual Device.


Note: The buttons appear only when you're logged in.

Connect/Disconnect Button

This button connects or disconnects your device from the 3G or 4G network.

Power Off Button

This button turns the device off.

Note: You can turn the device on only by using the physical power button  on the device or by disconnecting and reconnecting the micro-USB cable.

Section 4G

Using the microSD Card

- ◆ Before Using the microSD Card Slot (page 55)
- ◆ Inserting a microSD Card (page 56)
- ◆ Removing a microSD Card (page 57)
- ◆ Accessing the microSD Card (page 57)

Before Using the microSD Card Slot

1. Enable the slot. (See “Enabling the microSD Card Slot” below.)
2. Set up access to the slot. (See “Setting Up Access to the microSD Card” on page 55.)
3. Optionally, rename the **microSD Shared Folder Name**. (See “microSD Shared Folder Name” on page 56.)
4. Let other users know how they can access the card. (See “Accessing the microSD Card” on page 57.)

Enabling the microSD Card Slot

Before computers can recognize the microSD card, you must enable the microSD slot on the device.

1. Make sure you’re logged in to the home page.
2. In the SD Card Information and Settings window, select **Enable SD Card**. (See “microSD Card Information and Settings” on page 50.)

– or –

Click **Advanced settings > Device > microSD Card** and set the **SD-Card Slot** field to **Enable**.

Setting Up Access to the microSD Card

If you’ve enabled access to the microSD card, you must also specify whether a username and password are required to access the card.

1. Make sure you’re logged in to the home page.
2. In the SD Card Information and Settings window or from **Advanced settings > Device > microSD Card**, under **Username and Password Security**, select one of the values:
 - To have no security, select **None**.
Anyone can use the card; no username or password is required.
 - To allow only the administrator to use the card, select **Administrator Only**.
When prompted for the username (when you try to use the card), enter “admin”. For the password, enter the home page login password.
 - To allow non-administrators to use the card, select **Administrator + Guest**.

3. If you've selected **Administrator + Guest**:

- Optionally, change the **Set Guest Username** and **Set Guest Password** fields (up to 20 characters each with spaces allowed).
- Give the guest username and password to people whom you want to allow access to the card.

microSD Shared Folder Name

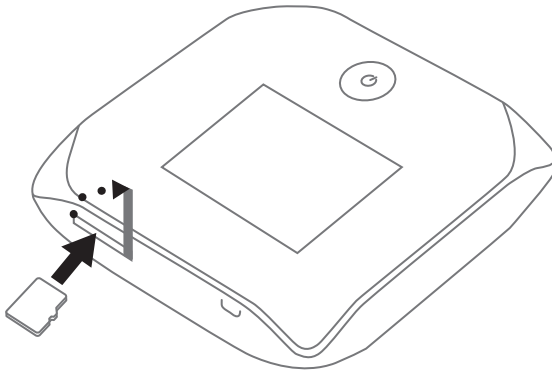
You can optionally change the name of the folder that the microSD card shows up as (in the file browser program); the default folder name is "shared."

1. Make sure you're logged in to the home page.
2. Click **Advanced settings > Device > MicroSD Card**.
3. In the **microSD Shared Folder Name** field, type the new name. (You can use up to 32 letters, numbers, and spaces in any combination.)

For information on how this folder name is used, see "Accessing the microSD Card" on page 57.

Inserting a microSD Card

1. Gently open the tab labeled "microSD" on the side of your device.



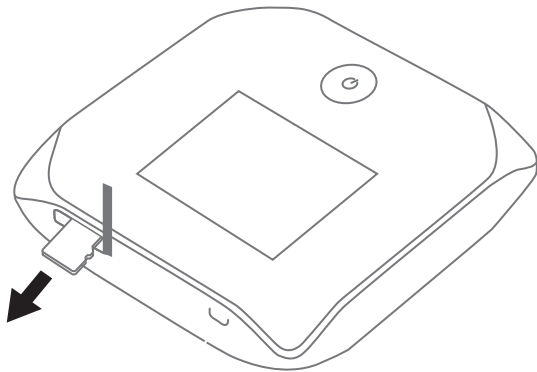
2. Carefully insert the microSD card (label facing up) into the slot on the side of your device, until the microSD card clicks into place.

Note: If your microSD card has not been formatted, or is in a format that your computer does not recognize, you may be prompted to format the microSD card. The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved. To prevent the loss of important data, please check the contents before you format the microSD card.

3. Check the status of the microSD card. (See "microSD Card Information and Settings" on page 50.)

Removing a microSD Card

1. Make sure you and other users have completed any file transfers.
2. In the microSD Card Information and Settings window (page 50), click **Safe-Eject SD Card** and wait until a message is displayed, stating it is safe to remove the card.
3. Gently open the tab labeled “microSD” on the side of your device.



4. Using your fingernail or a thin blunt object, gently press the microSD card in and then release; it should partially pop out of its slot, as shown in the drawing above.
5. Remove the microSD card and store it in a safe place.
6. Close the tab over the microSD slot of the device.

Accessing the microSD Card

If the microSD slot is enabled, an inserted card appears in your file browser as a shared network drive.

The way to access the card varies, depending on your operating system.

Note: In the information that follows, **<Hostname>** is the value of the Hostname field (in **Advanced settings > Wi-Fi > Network** and also in **Advanced settings > Router > LAN**).

Windows

1. In Windows Explorer or Internet Explorer, type one of the following:
 - **\\OverdrivePro**
 - **\\<Router IP Address>** (field in **Advanced settings > Router > LAN**)
For example, **\\192.168.0.1**
 - **\\<Hostname>** (For example, **\\MyDeviceName**)
- or –

From the Windows **Start** menu, click **Run**, and then type one of the following:

- `\\OverdrivePro\`
- `\\<Hostname>\`

2. Double-click the shared folder.

Mac

1. In Finder, select **Go > Connect to Server**.
2. Type one of the following:
 - `smb://OverdrivePro/`
 - `smb://<Router IP Address>/` (For example, `smb://192.168.0.1/`)
 - `smb://<Hostname>` (For example, `smb://MyDeviceName`)
3. When prompted, select the shared drive as the folder to mount.

Linux

1. Open the run menu (Alt+F2) or a file browser, and type one of the following:
 - `smb://OverdrivePro/`
 - `smb://<Router IP Address>/` (For example, `smb://192.168.0.1/`)
 - `smb://<Hostname>/` (For example, `smb://MyDeviceName`)
2. Double-click the shared folder.

Other operating systems

Please see the user documentation for your operating system or computer.

If security has been enabled for the microSD card, you will be prompted to enter the username and password for the microSD card. (See “Setting Up Access to the microSD Card” on page 55.)

Section 4H

Sprint Location Services

- ◆ Requirements for GPS Service (page 59)
- ◆ Enabling GPS (page 59)
- ◆ Displaying Your Location Information (page 59)
- ◆ Viewing Your Current Location in a Web Browser (page 60)
- ◆ Performing a Location Search (page 60)


Requirements for GPS Service

To access GPS services:

- You must accept the GPS privacy agreement.
- GPS must be enabled.

GPS services may not be available if you are indoors. (You may be able to get a GPS lock if your device is very close to a window.) GPS receivers must be able to lock onto the global positioning satellites to accurately determine position. The number of obstructions present indoors often makes accurate position determination impossible.


Enabling GPS

1. Make sure you're logged in to the home page.
2. Click the GPS icon  (on the left side of the home page) and select **Enable GPS**.
— or —
Click **Advanced settings > WAN > GPS** and select **Enable GPS**.

Note: If **Enable GPS** is not available, you must accept the GPS privacy agreement. (See "GPS Privacy Agreement" on page 37.)

3. If the GPS privacy agreement opens, you must read and accept it.


Displaying Your Location Information

1. Make sure you're logged in to the home page.
2. Make sure GPS is enabled.
3. For best results, minimize the number of obstructions between your device and the GPS satellites.
4. Click the GPS icon  on the left side of the home page.

5. In the GPS Information and Settings window, set **GPS Mode** to **One-time**, and click **Get fix now**. (The top part of the window shows your location information.)


Tip: You can also display location information from **Advanced settings > WAN > GPS** – click **Get fix now**. Alternatively, you can view your current location in a Web browser. (See “Viewing Your Current Location in a Web Browser” on page 60.)

Viewing Your Current Location in a Web Browser

1. Make sure GPS is enabled and you’re connected to the 3G or 4G network.
2. For best results, minimize the number of obstructions between your device and the GPS satellites.
3. In the horizontal row of buttons (across the top of the home page), click **Map me** ().








Performing a Location Search

To perform a search for establishments near your current location:

1. Make sure GPS is enabled and you’re connected to the 3G or 4G network.
2. In the horizontal row of buttons (across the top of the home page), move the mouse over **Map me** () to display a row of icons:



3. Click one of these icons to search for:

- | | |
|---|--------------------------------------|
|  | Text (search string) that you enter. |
|  | Sprint stores |
|  | Restaurants |
|  | Local hotels |
|  | Local banks (ATM machines) |
|  | Local gas stations |
|  | Local coffee shops |

The results of the search are displayed in a new browser window or tab.

Note: If a window displays “GPS Fix in Progress,” please wait while your device obtains a GPS location fix. When a location fix has been acquired, your Web browser will display the mapping results.

Section 4I

Updates

- ◆ **Automatically Checking for Updates (page 61)**
- ◆ **Manually Checking for Updates (page 62)**
- ◆ **Upgrading Firmware From a File (page 63)**

Note: If a software update, 3G network update, or 3G profile update is available, the device LCD displays a message, and an alert is available from the home page. (See “Software Update Available” on page 38 and “3G Network Update Available” on page 37.)

The updates may improve performance and add or modify features. The updates may include the following:

- Device firmware
- 3G network update
- The browser interface
- Help files
- Other files

You can:

- Set the browser interface to automatically check for updates (see below).
- Manually check for updates. (See “Manually Checking for Updates” on page 62.)

Tip: You can view the update availability and status on the “Software Updates” LCD information screen. (See “LCD Information Screens” on page 17.)

Automatically Checking for Updates

To specify how often the browser interface checks for updates:

1. Log in to the home page.
2. Click **Advanced settings** (🔍).
3. Click **Device > Basic**.
4. In the **Check for Updates** list, click a value.

Note: If the **Check for Updates** list is not available, your device supports the Guaranteed Update feature, which automatically checks for updates, at a pre-determined frequency. This feature requires 4G coverage.


Tip: When updates are available, an alert is shown in the browser interface. (See “Alert Information” on page 46.)

Manually Checking for Updates

Note: During installation of the update:

- DO NOT turn off or unplug the device.
- Your Wi-Fi and Internet connections won't be available.

When the installation is complete, you will need to reconnect to Wi-Fi. (See "How Do I Connect to Wi-Fi?" on page 120.)

1. Log in to the home page.
2. Make sure you're connected to 3G or 4G.
3. Click **Advanced settings** ()
4. Click **Device > Basic**.
5. Click **Check for updates now**. (The message next to the button indicates whether updates are available.)

Installing the updates

To install available updates, after you've manually checked for updates:

1. Make sure your device is connected to the AC charger or computer through the micro-USB cable.

Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See "Making a Tethered Connection" on page 29.)

2. Click **Update options**.
3. Read the information in the Software Installation Options window.
4. To install the update, click **Download and install now**.

– or –

If you are not in a strong signal area, make a note of the URL displayed in the window and click **I'll get the update later**. At a later time, access the URL to download the update to your computer, and then follow the steps in "Upgrading Firmware From a File" on page 63.

5. When the installation is complete, reconnect to Wi-Fi. (See "How Do I Connect to Wi-Fi?" on page 120.)

Upgrading Firmware From a File

Use this option when you have an updated firmware file that you've, for example, downloaded from the Sprint or Sierra Wireless website.

Note: During installation of the update:

- DO NOT turn off or unplug the device.
- Your Wi-Fi and Internet connections won't be available.

When the installation is complete, you will need to reconnect to Wi-Fi. (See "How Do I Connect to Wi-Fi?" on page 120).

To upgrade the device firmware from a file:

1. Log in to the home page.
2. Make sure **When connected to USB** is selected (for **Disable Wi-Fi**). (See "Disabling Wi-Fi When Connected Through USB" on page 94.)
3. Make sure your device is connected to the AC charger or computer through the micro-USB cable.
4. Click **Advanced settings** (🔑).
5. If you want to later confirm that the upgrade was successful, write down the current version information (shown in **Device > About**):
 - Software version
 - Firmware version (in the 3G Information section)
 - Firmware version (in the 4G Information section)
6. Click **Device > Basic**.
7. Optionally, save the current configuration (recommended).
 - Click **Export**.
 - Save the file. Note the filename and path.
8. Click the **Browse** button next to the **Update Firmware From File** field, and click the firmware file to upload to the device.
9. Click **Update**.


Please wait while the upgrade occurs; this may take several minutes. The device LCD shows the upgrade status. The device will restart (possibly several times).

Once the upgrade is complete, the LCD device shows the usual icons and text (for example, the device name).
10. Compare the current version information (in **Device > About**) to the values you wrote down in step 5 to confirm that the upgrade was successful.
11. If you've saved the current configuration, reload it.
 - Click the **Browse** button next to the **Import Router Settings** field, and click the file you've saved.
 - Click **Import**.
12. Reconnect to Wi-Fi. (See "How Do I Connect to Wi-Fi?" on page 120.)

Section 4J

Viewing Device Information

To view information about your device:

1. Log in to the home page.
2. Click **Advanced settings** ()
3. Click **Device > About**.

Note: 4G information is not available if **WAN mode** is “3G only.” (**WAN mode** is in **Advanced settings > WAN > Setup**.)

The following information is displayed:

- **Model Number** – This is the manufacturer's model of your device.
- **Activation Status** – This field reflects whether 3G is activated.
- **Manufacturer** – This is the company that made your device.
- **Activation Date** – This is the date that the 3G modem was first activated.
- **Software Version** – This is the firmware version for the routing hardware of the device.
- **Network Operator** – This field shows the carrier that your device was activated with.
- **Reconditioned Status** – This field indicates whether your device has been returned for service or repair and reconditioned (if applicable).
- **Wi-Fi Firmware Version** – This is the firmware version for the Wi-Fi access point of the device.
- **Reconditioned Date** – This field indicates the date that your device has been reconditioned (if applicable).
- **Router PRI Version** – This is the PRI version for the routing hardware of the device. The PRI (Product Release Instructions) is a file that contains the settings used to configure wireless products for a particular service provider, customer, or purpose.
- **Total Bytes** – This is the amount of data transferred over the 3G network during the lifetime of the device.
- **MDN** (Mobile Directory Number) – This is a 10-digit phone number.
- **ESN** or **MEID** (3G).

The ESN (Electronic Serial Number) is the unique first-generation serial number assigned to the 3G component of the device.

The MEID (Mobile Equipment Identifier) is the unique second-generation serial number assigned to the 3G component of the device.

- **PRL Version** – The PRL (Preferred Roaming List) is an account configuration item set by your service provider. It controls the radio channels and network carrier used by the 3G modem. An updated PRL may improve your 3G network service.

- **PRI Version** – This is the PRI version of the 3G component of the device.
- **Firmware Version** – This is the firmware version of the 3G component of the device.
- **Total Bytes** – This is the amount of data transferred over the 4G network during the lifetime of the device.
- **Firmware Version** – This is the firmware version of the 4G component of the device.
- **MAC Address** – This is the MAC address of the 4G module. Each wireless device has a unique MAC address (assigned by its manufacturer).
- **Plan Version** – This is the version information of your 4G channel plan, which determines the frequencies to scan and 4G networks to detect.

The window also has buttons to:

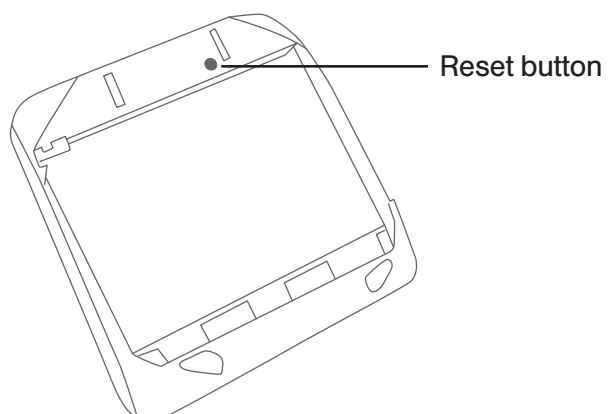
- Save the information to a text file.
- Reset the 3G and 4G configuration of the device to default settings (**Reset Device to Factory Defaults**). (See “Resetting the 3G and 4G Configurations to Default Settings” on page 96.)

Section 4K

Reset Button


◆ Restarting the Device (page 67)

The reset button is inside the hole located near the battery compartment as shown below.



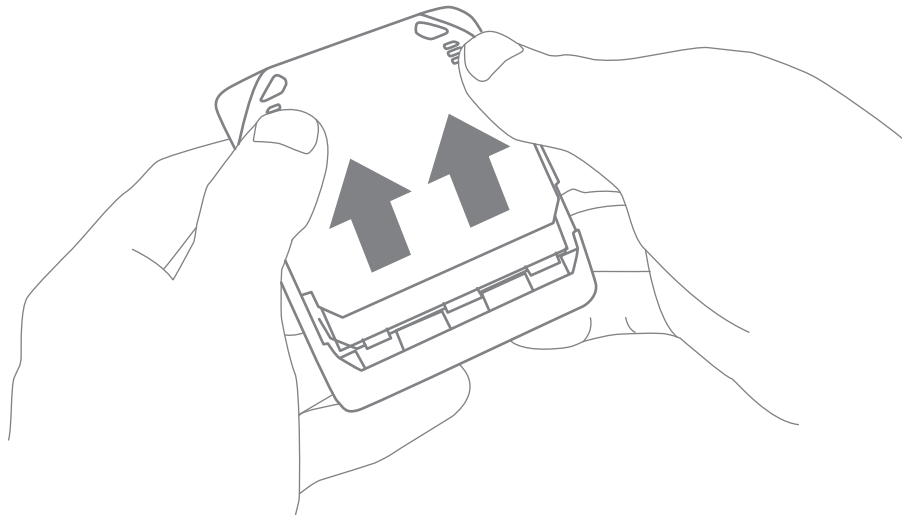
For information on using this button, see “Restarting the Device” (page 67) and “Resetting the Software to Default Settings (Through the Reset Button)” (page 110).

Restarting the Device

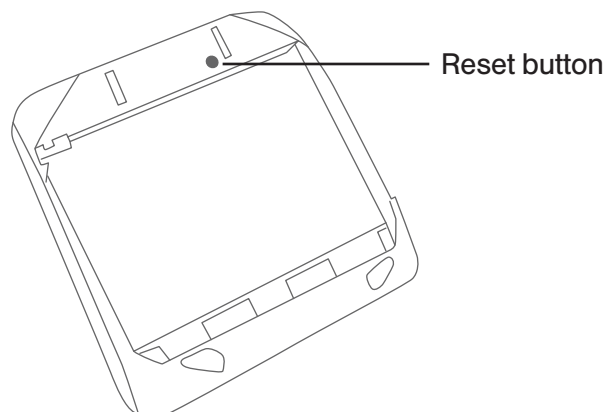
Tip: Alternatively, you may be able to restart the device by pressing and holding the power button  on the device for three to four seconds.

If the device or the home page seems to stop responding, you can reset (restart) the device. To restart the device:

1. Using slight thumb pressure, slide the battery compartment cover upward to remove it.

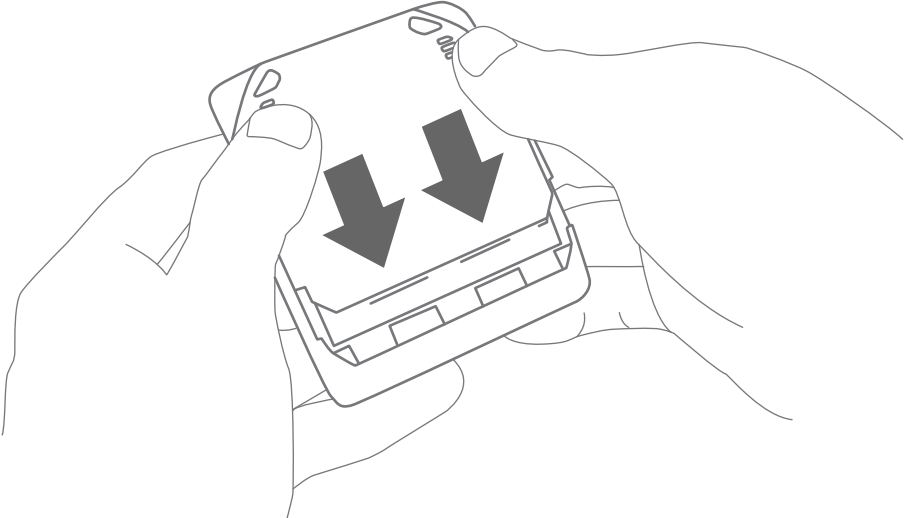


2. Locate the small hole near the battery compartment. The reset button is inside this hole.



3. Insert a thin object (for example, the end of a paper clip) into the hole, and press down for about a second.

4. Replace the battery compartment cover.



Section 5
Settings

Section 5A

Power Settings


- ◆ **Battery and USB Power Settings (page 70)**
- ◆ **AC Power Settings (page 70)**

Battery and USB Power Settings

You can specify the settings for battery power and USB power:

- **Short Range** – This setting improves battery life, at the cost of a shorter Wi-Fi range.
- **Long Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot, at the cost of shorter battery life and the increased possibility of interference with/from other nearby WiFi devices.

To choose an option:


1. Make sure you're logged in to the home page.
2. Click the battery icon . The Battery Information and Settings window opens.
– or –
Click **Advanced settings > Wi-Fi > Network**.
3. Select an option in the **Battery or USB Powered** section.

AC Power Settings

You can specify the settings for AC power:

- **Short Range** – Choose this setting if you have a designated wireless area and you need to minimize the effect of your network on other networks in the vicinity.
- **Long Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot but increases the possibility of interference with or from nearby wireless networks.

To choose an option:

1. Make sure you're logged in to the home page.
2. Click the battery icon . The Battery Information and Settings window opens.
– or –
Click **Advanced settings > Wi-Fi > Network**.
3. Select an option in the **AC Powered** section.

Configuring the LCD

- ◆ Turning the LCD On or Off (page 71)
- ◆ Setting the LCD Timeout (page 71)
- ◆ Setting the LCD Brightness (page 71)

Turning the LCD On or Off

1. Log in to the home page.
2. Click **Advanced settings > Device > Display**.
3. Set the **LCD Backlight** field to **On** or **Off**. (“**Off**” helps prolong the battery life, but you can’t check the LCD for status icons and messages.)

Setting the LCD Timeout

Tip: Alternatively, you can permanently turn the LCD off, in which case it will never become lit and will not display text and icons. (See “Turning the LCD On or Off” on page 71.)

To set the amount of time, after which the LCD of the device temporarily turns off:

1. Make sure you’re logged in to the home page.
2. Click **Advanced settings > Device > Display**.
3. Make sure **LCD Backlight** is set to **On**.
4. In the **Turn Off Backlight** list, click a value. (A smaller value helps prolong the battery life.)

Note: The LCD turns on if an important system event occurs.

Setting the LCD Brightness

1. Make sure you’re logged in to the home page.
2. Click **Advanced settings > Device > Display**.
3. Make sure **LCD Backlight** is set to **On**.
4. Select a value for **On Battery/USB Power**. (A lower brightness prolongs the battery life.)
5. Select a value for **On AC Power**.

Section 5C

Enabling and Disabling the Power Button LED

The power button LED on the device acts as a status indicator. (For more information, see “Using the Power Button to Determine the Device State” on page 14.)

To enable or disable the power button LED:

1. Log in to the home page.
2. Click **Advanced settings > Device > Display**.
3. Set the **Power Button LED** field to **On** or **Off**.

Section 5D

Sounds

- ◆ **Enabling and Disabling Sounds for Specific Events (page 73)**
- ◆ **Low Battery Alert (page 74)**
- ◆ **Critical Battery Level Alert (page 74)**

You can enable or disable sounds of the device through:

- The mute switch on the device (disables all sounds). (See “Mute Switch” on page 17.)
- The browser interface (selectively disables sounds). (See “Sounds Information and Settings” on page 51 and “Enabling and Disabling Sounds for Specific Events” on page 73.)

Enabling and Disabling Sounds for Specific Events

1. Log in to the home page.
2. Click **Advanced settings > Device > Sounds**.
3. Next to each of the event types, select **Enable** or **Disable**.

Sounds for the following events can be individually enabled or disabled:

- **Low Battery** – A sound is played when the battery is low. This is useful as a reminder to charge the device. In the **Alert When** list, you can select a battery level to trigger the alert.
- **System Alerts** – A sound is played when a system alert occurs. When you hear the device beep, use the device LCD or the Alerts window to get information about the alert. (See “Alert Information” on page 46.)

Note: System alerts include several types of events, for example:


- Critical battery
- Critical temperature
- Software update available
- Network update available
- Routing hardware settings reset
- Device startup failure

- **Internet Connected** – A sound is played when you connect to the Internet.
- **Internet Disconnected** – A sound is played when you lose the connection to the Internet.
- **Wi-Fi User Has Joined** – A sound is played when a Wi-Fi user connects to your network. This is useful, for example, to detect an unwelcome Wi-Fi user if you’re the only one using the device.
- **Wi-Fi User Has Left** – A sound is played when a Wi-Fi user disconnects from your network.
- **Last User Has Left** – A sound is played when the last Wi-Fi user disconnects from your network. You can turn the device off if nobody will be using it for awhile.
- **Enter Standby Mode** – A sound is played when the device enters standby mode. (See “Standby (Low Power) Mode” on page 49.)

Low Battery Alert

You can set an alert to sound when the battery level is low.

Setting the Alert From the Home Page

1. Make sure you're logged in to the home page.
2. Click the Sounds icon ()
3. In the Sounds window, select **Low battery**.

Setting the Alert From the Advanced Settings Window

1. Log in to the home page.
2. Click **Advanced settings > Device > Sounds**.
3. For the **Low Battery** field, select **Enable**.
4. In the **Alert When** list, select the battery level to trigger the alert.

Critical Battery Level Alert

You can enable an alert to sound when the battery level is critical (that is, dangerously low). To enable this alert:

1. Log in to the home page.
2. Click **Advanced settings > Device > Sounds**.
3. For the **System Alerts** field, select **Enable**.

Note: System alerts include several types of events, for example:

- Critical battery
- Critical temperature
- Software update available
- Network update available
- Routing hardware settings reset
- Device startup failure

Section 5E

Login Settings

- ◆ Changing the Administrator Password (page 75)
- ◆ Automatic Login (“Remember Me”) (page 75)

Changing the Administrator Password

Note: If you forget the Admin Login password, you'll need to reset the device to its default settings and go through the device setup. (See "What Do I Do if I Forget the Administrator Password?" on page 121.)

1. Log in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. In the **Admin Password** field, type the new password (1–20 letters, numbers, or symbols).

Automatic Login (“Remember Me”)

If you enable automatic login:

- Anyone who uses the computer will automatically be logged in to the home page (as long as no one else has already logged in from another computer); entering the administrator password is not required.
- The timeout security feature is disabled – you will never be automatically logged off.

To enable automatic login:

1. From the computer that you want to enable automatic login, log in to the home page.
2. In the login area, select the **Remember me** check box.

You can repeat the above steps on other computers; however, since only one administrator can be logged in at a time, only the first person to display the home page will be logged in.

Viewing Computers That Are Set to Automatically Log In as Administrator

1. Log in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. Next to **Remember me Client List**, click **show list**.

Disabling Automatic Login For a Specific Computer

1. Log in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. Next to **Remember Me Client List**, click **show list**.
4. In the row for the computer that you want to disable automatic login, click **Remove**.

Section 5F

Advanced Settings

- ◆ Accessing the Advanced Settings Window (page 76)
- ◆ Device Tab (page 76)
- ◆ WAN Tab (page 80)
- ◆ Wi-Fi Tab (page 84)
- ◆ Router Tab (page 86)

From the Advanced Settings window you can configure all the settings of the device and the browser interface.

The Advanced Settings window has the following tabs, each with several panels:

- Device tab. (See “Device Tab” on page 76.)
- WAN tab. (See “WAN Tab” on page 80.)
- Wi-Fi tab. (See “Wi-Fi Tab” on page 84.)
- Router tab. (See “Configuring the Router Tab” on page 100.)


For most fields and buttons, contextual help, if enabled, appears to the right of the window when you move the cursor over an item. (For more information, see “Contextual Help in the Advanced Settings Window” on page 119.)

Accessing the Advanced Settings Window

1. Make sure you’re logged in to the home page.
2. Click **Advanced settings** ().

Device Tab

Basic Panel

1. Log in to the home page.
2. Click **Advanced settings** ().
3. Click **Device > Basic**.

From this window, you can view or adjust these settings, or perform the following actions:


- **Admin Password** – This is the password used to login as administrator. (See “Changing the Administrator Password” on page 75.)
- **Remember Me Client List** – You can view and specify computers that are set to automatically log in. (See “Automatic Login (“Remember Me”)” on page 75.)
- **Help for Advanced Settings** – You can enable or disable contextual help for the Advanced Settings window. (See “Contextual Help in the Advanced Settings Window” on page 119.)

- **Import Router Settings** – You can import configuration settings. (See “Importing Settings” on page 112.)
- **Export Router Settings** – You can export configuration settings. (See “Exporting Settings” on page 112.)
- **Update Firmware from File** – You can upgrade the device firmware from a file. (See “Upgrading Firmware From a File” on page 63.)
- **Standby Timer on Battery** and **On AC Power** – You can enable standby (low power) mode. (See “Standby (Low Power) Mode” on page 49.)
- **TRU-Install** – This feature installs the necessary drivers the first time you connect your device to your Windows or Mac computer through the micro-USB cable. (For information on this feature, see “TRU-Install” on page 28.)
- **Check for Updates** and **Check for updates now** – You can check for updates to your device. (See “Automatically Checking for Updates” on page 61 and “Manually Checking for Updates” on page 62.)

Display Panel

From the **Display** panel of the **Device** tab, you can configure settings for the device LCD.


To access this panel:

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Device > Display**.

From this window, you can view or adjust these settings:

- **Power Button LED** – You can enable the power button light on the device. (See “Enabling and Disabling the Power Button LED” on page 72.)
- **LCD Backlight** – You can turn the LCD on or off. (See “Turning the LCD On or Off” on page 71.)
- **Turn Off Backlight** – This setting specifies how soon the LCD goes dormant. (See “Setting the LCD Timeout” on page 71.)
- **Backlight Settings** – You can adjust the brightness of the LCD. (See “Setting the LCD Brightness” on page 71.)

microSD Card Panel

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Device > microSD Card**.


From this window, you can view or adjust these settings, or perform the following actions:

- **Status** – This field reflects the status of the microSD card slot (for example, the slot is disabled, or a card is detected).

- **SD-Card Slot** – Before you can use the microSD Card Slot, you must enable it. (See “Enabling the microSD Card Slot” on page 55.)
- **microSD Shared Folder Name** – This is the name of the folder that the microSD card shows up as (in the file browser program). (See “microSD Shared Folder Name” on page 56.)
- **Username and Password Security** – You can specify whether a username and password are required to access the microSD Card. (See “Setting Up Access to the microSD Card” on page 55.)
- **Guest Username** – This is the username that non-administrators must enter before using the card.
- **Guest Password** – This is the password that non-administrators must enter before using the card.

Sounds Panel

From the **Sounds** panel of the **Device** tab, you can enable or disable sounds for specific types of events. To enable or disable sounds:

1. Log in to the home page.
2. Click **Advanced settings** .
3. Click **Device > Sounds**.
4. Next to each of the event types, select **Enable** or **Disable**.

Sounds for the following events can be individually enabled or disabled:

- **Low Battery** – A sound is played when the battery is low. This is useful as a reminder to charge the device. In the **Alert When** list, you can select a battery level to trigger the alert.
- **System Alerts** – A sound is played when a system alert occurs. You can then use the device LCD or the Alerts window to get information about the alert. (See “Alert Information” on page 46.)

Note: System alerts include several types of events, for example:

- Critical battery
- Critical temperature
- Software update available
- Network update available
- Routing hardware settings reset
- Device startup failure

- **Internet Connected** – A sound is played when you connect to the Internet.
- **Internet Disconnected** – A sound is played when you lose the connection to the Internet.
- **Wi-Fi User Has Joined** – Useful, for example, if you’re the only one using the device, to detect an intruder.
- **Wi-Fi User Has Left** – A sound is played when a Wi-Fi user disconnects from your network.
- **Last User Has Left** – A sound is played when the last Wi-Fi user disconnects from your network. You can turn the device off if nobody will be using it for awhile.
- **Enter Standby Mode** – A sound is played when the device enters standby mode. See “Standby (Low Power) Mode” on page 49.

To play the sound for an event, click its  button.

About Panel

To view information about your device:

1. Log in to the home page.
2. Click **Advanced settings** (🔑).
3. Click **Device > About**.

Note: 4G information is not available if **WAN mode** is "3G only." (**WAN mode** is in **Advanced settings > WAN > Setup**.)

The following information is displayed:

- **Model Number** – This is the manufacturer's model of your device.
- **Activation Status** – This field reflects whether 3G is activated.
- **Manufacturer** – This is the company that made your device.
- **Activation Date** – This is the date that the 3G modem was first activated.
- **Software Version** – This is the firmware version for the routing hardware of the device.
- **Network Operator** – This field shows the carrier that your device was activated with.
- **Reconditioned Status** – This field indicates whether your device has been returned for service or repair and reconditioned (if applicable).
- **Wi-Fi Firmware Version** – This is the firmware version for the Wi-Fi access point of the device.
- **Reconditioned Date** – This field indicates the date that your device has been reconditioned (if applicable).
- **Router PRI Version** – This is the PRI version for the routing hardware of the device. The PRI (Product Release Instructions) is a file that contains the settings used to configure wireless products for a particular service provider, customer, or purpose.
- **Total Bytes** – This is the amount of data transferred over the 3G network during the lifetime of the device.
- **MDN** (Mobile Directory Number) – This is a 10-digit phone number.
- **ESN or MEID**.

The ESN (Electronic Serial Number) is the unique first-generation serial number assigned to the 3G component of the device.

The MEID (Mobile Equipment Identifier) is the unique second-generation serial number assigned to the 3G component of the device.

- **PRL Version** – The PRL (Preferred Roaming List) is an account configuration item set by your service provider. It controls the radio channels and network carrier used by the 3G modem. An updated PRL may improve your 3G network service.
- **PRI Version** – This is the PRI version of the 3G component of the device.
- **Firmware Version** – This is the firmware version of the 3G component of the device.

- **Total Bytes** – This is the amount of data transferred over the 4G network during the lifetime of the device.
- **Firmware Version** – This is the firmware version of the 4G component of the device.
- **MAC Address** – This is the MAC address of the 4G module. Each wireless device has a unique MAC address (assigned by its manufacturer).
- **Plan Version** – This is the version information of your 4G channel plan, which determines the frequencies to scan and 4G networks to detect.

The window also has buttons to:

- Save the information to a text file.
- Reset the 3G and 4G configuration of the device to default settings (**Reset Device to Factory Defaults**). (See “Resetting the 3G and 4G Configurations to Default Settings” on page 96.)

Tip: You can view some of the above information on the “About...” LCD information screen. (See “LCD Information Screens” on page 17.)

Log Panel

1. Log in to the home page.
2. Click **Advanced settings** (🔑).
3. Click **Device > Log**.

From this window, you can:

- Enable logging of system events. (See “Enabling and Disabling Logging of System Events” on page 114.)
- Export logs. (See “Exporting System Events” on page 114 and “Exporting the Connection History” on page 113.)
- Clear logs. (See “Clearing the System Events Log” on page 114 and “Clearing the Connection History” on page 113.)
- Enable logging of connects and disconnects. (See “Enabling and Disabling Logging of Connects and Disconnects” on page 113.)
- Set the method used for time acquisition. (See “Setting the Method Used for Time Acquisition” on page 115.)

WAN Tab

Setup Panel

1. Log in to the home page.
2. Click **Advanced settings** (🔑).
3. Click **WAN > Setup**.

From this window, you can view or adjust these settings, or perform the following actions:

- **Active Network** – This is the network that is currently being used for your data connection: 3G, 4G, or none.
- **Network Operator** – This field shows the carrier that your device was activated with.
- **Session Duration** – The session duration indicates how long you've been connected to the network.
- **Session Total Data** – This indicates the amount of data transferred over the lifetime of the device (by network type) and in the current session.
- **Work Mode** – This indicates the 3G and 4G activation/provisioning status of your device and account. Technical support staff may request this value from you.
- **WAN Mode** – This setting specifies the network(s) to connect to, and in what order.
 - **3G preferred** – The connection can be established to either 3G or 4G; if both are available, 3G is used.
 - **4G preferred** – The connection can be established to either 3G or 4G; if both are available, 4G is used. This setting is recommended if your service provider has no data limit for 4G, but does for 3G, or you want to take advantage of the faster data transfer speeds of 4G.
 - **3G only** – The connection can be established only to 3G. (If you don't have 4G coverage, you can save power by selecting **3G Only**.)
 - **4G only** – The connection can be established only to 4G.
- **Connect Automatically** – You can set your device to connect to the network when the device powers on. To prevent this from happening when you're roaming on 3G, also select **Disable when roaming**.
- **Failover Wait-time** – This setting specifies how long the device should wait, after it loses the connection with the preferred network, before it attempts to connect to the other network (not available if **WAN mode** is "3G only" or "4G only").
- **Switchback Wait-time** – This setting specifies how long the device should wait, when the less-preferred network is connected and the preferred network becomes available, before switching to the preferred network (not available if **WAN mode** is "3G only" or "4G only").
- **Update 3G PRL** – You can check whether an updated PRL is available.

The PRL (Preferred Roaming List) is an account configuration item set by your service provider. It controls the radio channels and network carrier used by the 3G modem. An updated PRL may improve your 3G network service.


Note: A 3G connection to the Internet won't be available until the update is complete. (The 4G connection won't be affected.)

- **Update 3G Profile** – You can check whether an updated profile for your 3G connection is available. An updated profile may improve your 3G network service.
- **Manual Activation** – Click this link if you need to configure Data Link and the Mobile IP settings. (For information on Data Link, see "How Do I Access My Corporate Network Through a VPN?" on page 124.)

3G Panel

See “3G Panel” on page 95.

4G Panel

1. Log in to the home page.
2. Click **Advanced settings** ()
3. Click **WAN > 4G**.

Note: 4G information is not available if **WAN mode** is “3G only.” (**WAN mode** is in **Advanced settings > WAN > Setup**.)

From this window, you can view this 4G information:


- **Connection Status** – This field reflects whether you are connected to 4G.
- **Service Type** – This field reflects the 4G service type: 4G, 4G Off, or no service.
- **Coverage Type** – This is a list of the types of 4G networks that are available. The RSSI and CINR for each type are shown.
- **RSSI and CINR**.

RSSI reflects the signal strength of the network.

CINR stands for Carrier to Interference-plus-Noise Ratio and is a measurement of signal effectiveness. For the receiver to decode the carrier signal, the latter must be in an acceptable CINR range.

- **TX Power** – This number indicates the transmitter power. A higher number is better.
- **Center Frequency** – This number indicates the frequency of the 4G channel used for the data connection.
- **NSP-ID** – This number is the ID of the 4G Network Service Provider.
- **NAP-ID** – This number is the ID of the 4G Network Access Provider.
- **BSID** – This number is the ID of the Base Station.
- **Preamble** – This number is the preamble ID of the current base station that the modem is listening to.
- **Realm** – This login address is used for 4G service (user@realm).
- **Certificate Information** – Click the link to display information in a popup window. You will be prompted to enter the Service Programming Code (SPC). (If you don't know your SPC, contact Sprint.)

GPS Panel

1. Log in to the home page.
2. Click **Advanced settings** ()
3. Click **WAN > GPS**.

From this window, you can view or adjust these settings, or perform the following actions:

- **Enable GPS** – To use GPS, and to configure other GPS settings, this check box must be selected. If the GPS privacy agreement opens, you must accept it before you can use GPS.
- **GPS Mode** – This setting determines how often the device should obtain a fix.
 - **One-time** – A single fix is used. Use this option if you'll be using your device at the same location.
 - **Continuous** – Fixes are obtained on a regular basis; also known as auto-tracking. Useful for turn-by-turn (TBT) navigation applications, such as driving directions.
- **Get fix now** – This button starts a one-time fix (not displayed if **GPS Mode** is **Continuous** or a GPS session is already in progress). If you change the value from **Continuous** to **One-time**, you must click **Save** before your changes take effect and the fix becomes possible.
- **Mapping Service** – This determines the mapping service (for example, Google Maps or MapQuest) that displays the GPS results (in a separate browser window).
- **Performance Value** – This specifies the amount of time the device should wait for a satellite to be discovered.
 - **Automatic** – The device automatically determines the most appropriate setting to use.
 - **Manual** – In the input field, enter the number of seconds the device should wait for a satellite to be discovered. If this time is exceeded, an error is reported.
- **Accuracy**
 - **Automatic** – The device automatically determines the most appropriate setting to use.
 - **Manual** – In the input field, enter the number of meters to which the data must be accurate.
Note: If the value is very small (that is, very high accuracy), the fix may fail.
- **Fix Rate** – The smaller the number, the more up-to-date the location tracking will be, at the cost of shorter battery life of the device. This setting is available only if **GPS Mode** is set to **Continuous**.
- **Metric Units** – This specifies whether to use the metric system when displaying the GPS results (for example, the altitude, speed, HEPE).
- **Show GPS Data** or **Hide GPS Data** – This specifies whether the GPS data should be shown in the lower part of the window.



Wi-Fi Tab

Network Panel


1. Log in to the home page.
2. Click **Advanced settings** (🔒).
3. Click **Wi-Fi > Network**.

From this window, you can view or adjust these settings, or perform the following actions:

- **Disable Wi-Fi** – This setting specifies when to turn off the Wi-Fi of the device.
 - **Always** – Select this value if you always want to use the device in tethered mode and you want to make sure the device is never broadcasting any Wi-Fi signals.
 - **When connected to USB** – Only a computer connected through the micro-USB cable to the device will be able to use it.
- **SSID** – This is the Wi-Fi network name; it identifies your Wi-Fi network and is visible to other Wi-Fi-enabled devices. (See “SSID (Wi-Fi Network Name)” on page 87.)
- **Hostname** – This is, in essence, a name you’re giving the device. (See “Host Name (Device Name)” on page 93 and “Displaying the Home Page of the Device” on page 33.)
- **Link SSID and Hostname** – See “Linking the SSID and the Host Name” on page 88.
- **SSID Broadcast** – If broadcast is enabled, the wireless network is displayed in the list of Wi-Fi networks available in the local area. For increased security, set this field to **Disable**. You will need to give the SSID to the people who will be accessing your network.
- **Max Number of Users** – You can limit the number of Wi-Fi users (maximum of eight) that can connect to the device. A smaller number improves performance and security.
- **Battery or USB Powered** (power settings)
 - **Short Wi-Fi Range** – This setting improves battery life, at the cost of a shorter Wi-Fi range.
 - **Long Wi-Fi Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot, at the cost of shorter battery life and the increased possibility of interference with/from other nearby WiFi devices.
- **AC Powered** (power settings)
 - **Short Wi-Fi Range** – Choose this setting if you have a designated wireless area and you need to minimize the effect of your network on other networks in the vicinity.
 - **Long Wi-Fi Range** – This setting allows you to use your wireless devices farther from your Overdrive Pro 3G/4G Mobile Hotspot but increases the possibility of interference with or from nearby wireless networks.
- **Wi-Fi Channel** – This is the active channel of the Wi-Fi access point. If your network is having performance issues (possibly caused by other Wi-Fi networks in the vicinity using the same channel), try a different Wi-Fi channel.
- **RTS Threshold** – This setting specifies the smallest packet size, in bytes, for which RTS/CTS (Request to Send/Clear to Send) handshaking is used. The recommended value is 2347. Change this value only if you’re experiencing inconsistent data flow. Make only minor changes to this value.

- **Fragmentation Threshold** – This setting specifies the largest allowable size, in bytes, for a packet. If the packet is larger than this, it is fragmented into multiple packet before it is transmitted. To prevent poor network performance, it's recommended to keep this value as large as possible (up to 2346).
- **Wi-Fi Power Save Mode** – If this field is set to “On,” the Wi-Fi component of the Overdrive Pro 3G/4G Mobile Hotspot enters power save mode, when possible. If your computer tends to lose the Wi-Fi connection and stops responding, set this field to “Off.”
- **Wi-Fi Age Out Time** – This is the amount of time of inactivity (no traffic), after which the Overdrive Pro 3G/4G Mobile Hotspot drops the connection to a device.
- **WMM Support** – Wi-Fi Multimedia (WMM) is a standard that defines quality of service (QoS) in Wi-Fi networks. WMM improves the performance of audio, video and voice applications transmitted over Wi-Fi.
- **List of connected devices** – You can display a window that shows connected computers. A table row may show one or both of these icons:
 -  –The user of this computer is logged in as administrator.
 -  –This computer is connected to the device through the micro-USB cable.

Security Panel

1. Log in to the home page.
2. Click **Advanced settings** ().
3. Click **Wi-Fi > Security**.

From this window, you can set the:

- **Security** – This specifies the security used by Wi-Fi. (See “Wi-Fi Security” on page 89.)
- **Wi-Fi Password** – This password is used to connect to the Wi-Fi network. (See “Wi-Fi Password” on page 90.)
- **Password Reminder** – This feature displays the Wi-Fi password on the LCD of the device. (See “Wi-Fi Password Reminder” on page 90.)
- **Basic Rate** – This setting determines the type of wireless devices that can connect to your network.
 - If you're certain that all of the Wi-Fi devices used with your device support 802.11g, then select **802.11g only** (this ensures faster Wi-Fi speeds); otherwise, select **802.11b/g/n compatibility** or **802.11b/g compatibility**.
 - If you change this value to **802.11b/g/n compatibility** and the specified Wi-Fi security type is not supported by this value, the security type may change to WPA/WPA2 Personal.


MAC Filter Panel

The MAC (Media Access Control) filter is used to grant (“whitelist”) or block (“blacklist”) wireless devices access to the Wi-Fi, 3G, and 4G networks. Access is based on the MAC address of each wireless device.

MAC filtering can prevent unauthorized wireless devices from connecting to your network.

MAC filtering increases security of your network. You can give access to your network, based on the MAC address of the wireless devices. This makes it harder for a hacker to use a MAC address to access your network.

To access this panel:

1. Log in to the home page.
2. Click **Advanced settings** ()
3. Click **Wi-Fi > MAC Filter**.

From this window, you can:

- Turn off MAC filtering (**MAC Filter Mode** = “No filtering”)
- Display a list of computers that are:
 - Allowed to access the network (**MAC Filter Mode** = “Allow all in list”)
 - Not allowed to access the network (**MAC Filter Mode** = “Block all in list”)
- Add or remove a computer from the lists. (See “Specifying Computers That Can Access the Network” on page 91 and “Specifying Computers That Are Not Allowed to Access the Network” on page 92.)
- Display a list of computers that are currently connected through Wi-Fi (**List of connected devices**). (See “Displaying a List of Currently Connected Computers” on page 92.)


Router Tab

See “Configuring the Router Tab” on page 100.

Configuring the Wi-Fi Network


- ◆ SSID (Wi-Fi Network Name) (page 87)
- ◆ Wi-Fi Security (page 89)
- ◆ Host Name (Device Name) (page 93)
- ◆ Setting the Maximum Number of Wi-Fi Users (page 93)
- ◆ Wi-Fi Channel (page 94)
- ◆ Disabling Wi-Fi When Connected Through USB (page 94)

You can configure basic settings of the Wi-Fi network through the setup pages. To display the setup pages:

1. Make sure you're logged in to the home page.
2. Click **Admin Setup** (.

For more information, see “Changing the Password and Settings” on page 21.

You can configure basic and advanced settings of the Wi-Fi network through the **Advanced Settings** window. To display the **Advanced Settings** window:

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Wi-Fi > Network**.

For more information, see “Network Panel” on page 84.

See also:

- “Disabling Wi-Fi When Connected Through USB” on page 94.
- “Battery and USB Power Settings” on page 70.
- “AC Power Settings” on page 70.

SSID (Wi-Fi Network Name)

The SSID identifies your Wi-Fi network and is visible to other Wi-Fi-enabled devices. It appears on your device's LCD screen; if more than one Overdrive Pro 3G/4G Mobile Hotspot is available, you can use this name to tell the devices apart.

You can display the home page by typing the SSID in your Web browser (if **Link SSID and Hostname** is selected. (See “Linking the SSID and the Host Name” on page 88.)

You should make the SSID unique and change it on a regular basis for optimal security.

To change the SSID:

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > Network**.

3. In the **SSID** field, enter the new name.

If the SSID field is not available, **Link SSID and Hostname** is enabled. You must either edit **Hostname** (and the SSID will get the same value), or disable **Link SSID and Hostname** and edit the SSID.

4. Click **Save**.
5. Follow the onscreen instructions to reconnect to Wi-Fi. (See “How Do I Connect to Wi-Fi?” on page 120.)

Notes: If you're sharing your connection, other users must also reconnect to Wi-Fi; provide them with the new SSID.


For security reasons, it's recommended you disable SSID Broadcast. (See "Network Panel" on page 84.)

Linking the SSID and the Host Name

If you link the **SSID** (Wi-Fi network name) and the **Hostname** (name of your device):

- The SSID becomes whatever the Hostname is (you cannot change the SSID – only the Hostname).
- You only need to remember one name when selecting the Wi-Fi network, accessing the browser interface, or accessing the microSD card.

To link the SSID and the Hostname:

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Wi-Fi > Network** or **Router > LAN**.
4. Select the **Link SSID and Hostname** check box.

The **SSID** field gets the value of **Hostname** and becomes unavailable (grayed out).

5. Click **Save**.

The device resets, after which you must reconnect to Wi-Fi. (See “How Do I Connect to Wi-Fi?” on page 120.)

Wi-Fi Security

By default, Wi-Fi security is enabled for your device and the Wi-Fi network.

Note: All the devices used with the Overdrive Pro 3G/4G Mobile Hotspot must support the selected security type.

To change the security used by Wi-Fi:

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > Security**.
3. Select one of the following options. Note that not all options may be displayed, depending on the **Basic Rate** setting.
 - **None** – No security is used (no password is required to access the Wi-Fi network); this setting is not recommended. Anyone may access your device and use your Internet connection. (You are responsible for payment for data usage fees.)
 - **WEP 64 Bit - Shared** – This option provides security, but it's relatively weak. This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.
 Shared WEP uses the same key for encryption and authentication; some consider shared WEP to be less secure than open WEP.
 - **WEP 128 Bit - Shared** – This option provides security, but it's relatively weak (but stronger than **WEP 64 Bit - Shared**). This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.
 Shared WEP uses the same key for encryption and authentication; some consider shared WEP to be less secure than open WEP.
 - **WEP 64 Bit - Open** – This option provides security, but it's relatively weak. This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.
 Open WEP uses the key for encryption, but not for authentication.
 - **WEP 128 Bit - Open** – This option provides security, but it's relatively weak (but stronger than **WEP 64 Bit - Open**). This option works with older and newer Wi-Fi devices, and is recommended only if any of your devices don't support WPA or WPA2.
 Open WEP uses the key for encryption, but not for authentication.
 - **WPA-Personal TKIP** – This is a strong security standard that is supported by most Wi-Fi devices.
 - **WPA-Personal TKIP/AES** – This is a strong security standard that is supported by most Wi-Fi devices.
 - **WPA2-Personal AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.
 - **WPA2-Personal TKIP/AES** – This is a stronger, newer security standard that is limited to newer Wi-Fi devices.

- **WPA/WPA2 Personal** (recommended setting) – Wi-Fi devices that use either WPA or WPA2 can connect to the Overdrive Pro 3G/4G Mobile Hotspot. Supported by most Wi-Fi devices.

4. Click **Save**.

The option you select determines the Wi-Fi security used and also the maximum length of the Wi-Fi password.

Wi-Fi Password

If Wi-Fi security is enabled, a Wi-Fi password is required to connect to the Wi-Fi network.

To make your password more secure:

- Use letters and numbers
- Use special characters (for example, @)
- Use both uppercase and lowercase letters

To change the Wi-Fi password:

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > Security**.
3. In the **Wi-Fi Password** field, type the password; the maximum length depends on the Wi-Fi security type that you've selected.

- **None** – No security is used (no password is required to access the Wi-Fi network); this setting is not recommended. Anyone may access your device and use your Internet connection. (You are responsible for payment for data usage fees.)

- **WEP 64 bit - Shared** – The password must be 5 ASCII characters.

- **WEP 128 bit - Shared** – The password must be 13 ASCII characters.

- **WEP 64 bit - Open** – The password must be 5 ASCII characters.

- **WEP 128 bit - Open** – The password must be 13 ASCII characters.

- **WPA-Personal TKIP** – The password must be 8 to 63 ASCII characters.

- **WPA-Personal TKIP/AES** – The password must be 8 to 63 ASCII characters.

- **WPA2-Personal AES** – The password must be 8 to 63 ASCII characters.


- **WPA2-Personal TKIP/AES** – The password must be 8 to 63 ASCII characters.



- **WPA/WPA2 Personal** – The password must be 8 to 63 ASCII characters.

4. Click **Save**.

Wi-Fi Password Reminder

To display the Wi-Fi password on the LCD of the device when the Wi-Fi Password Reminder feature is enabled:

1. If the LCD is dark (no text or icons are displayed):
 - Make sure the LCD is enabled. (See “Turning the LCD On or Off” on page 71.)
 - Briefly press the power button  on the device.

2. Press the power button  on the device two times quickly (within a half-second interval). The information is displayed for approximately 20 seconds. To clear the information before that, briefly press the power button  on the device.

Enabling the Wi-Fi Password Reminder

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > Security**.
3. In the **Password Reminder** section, select **On**.
4. Click **Save**.

Allowing or Denying Computers Access to the Network

The MAC (Media Access Control) filter is used to grant (“whitelist”) or block (“blacklist”) wireless devices access to the Wi-Fi, 3G, and 4G networks. Access is based on the MAC address of each wireless device.

MAC filtering can prevent unauthorized wireless devices from connecting to your network.

In the **MAC Filter** panel of the **Wi-Fi** tab (**Advanced Settings > Wi-Fi > MAC Filter**), you can choose one of three modes:

- **No filtering** – All computers are allowed to access the network.
- **Allow all in list** – Only computers that are in this list are allowed to access the network.
- **Block all in list** – All computers are allowed to access the network, unless they’re in this list.

In any case, a user still needs to provide the correct Wi-Fi password to access the network.

Specifying Computers That Can Access the Network

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > MAC Filter**.
3. In the **MAC Filter Mode** list, click **Allow all in list**.
4. Do one of the following:
 - If the computer you want to allow access is currently connected to the Overdrive Pro 3G/4G Mobile Hotspot, click **List of connected devices**. In the row for the computer, click **Add**.

– or –
 - Click **Add**. In the **MAC Address** field, enter the MAC address of the computer you’re adding to the list. (If you don’t know this address, see “Finding the MAC Address” on page 128.) In the **Name** field, enter a name, for example “Amy’s PC.”
5. Repeat step 4 for each computer for which you want to allow access.

Specifying Computers That Are Not Allowed to Access the Network

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > MAC Filter**.
3. In the **MAC Filter Mode** list, click **Block all in list**.
4. Determine and block an undesired user of your network.
 - Click the **List of connected devices** link.
 - If you see a device you don't recognize, you can compare its MAC address to the MAC address of each of the devices on your network.

To determine the MAC address of each device you have, see "Finding the MAC Address" on page 128. If none of your devices have this MAC address, that device might be an intruder.
 - In the row for the device you want to block, click **Add**.
5. For each computer you want to block, repeat step 4.

Tip: The Connected Users window has a **Block** check box, available for each currently connected user. (See "Wi-Fi Users Information and Settings" on page 47.)

Removing a Computer From the Allowed or Disallowed Lists


1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > MAC Filter**.
3. In the **MAC Filter Mode** list, click either **Allow all in list** or **Block all in list**.
4. Click the row that you want to remove. A row of buttons (**Delete**, **OK**, **Cancel**) appears.
5. Click **Delete**.

Displaying a List of Currently Connected Computers

1. Make sure you're logged in to the home page.
2. Click the  icon to display the Connected Users window.

— or —

Click **Advanced settings > Wi-Fi > Mac Filter**, and click **List of connected devices**.

A row displays the  icon if the user is logged in as administrator.

Host Name (Device Name)


The host name is, in essence, a name you're giving the device.

The host name is shown on your device's LCD screen; if more than one device is available, you can use this name to tell the devices apart. (See "Linking the SSID and the Host Name" on page 88.)

This name is also used when you type a command to access the:

- Home page. (See "Displaying the Home Page of the Device" on page 33.)
- microSD card. (See "Accessing the microSD Card" on page 57.)

To change the host name:


1. Log in to the home page.
2. Click **Advanced settings** ()
3. Click **Wi-Fi > Network** or **Router > LAN**.
4. In the **Hostname** field, enter a name for your device.

The name must be 1–15 ASCII characters. Valid characters are:

- a-z
- A-Z
- 0-9. Note that the host name cannot be all numbers.
- - (hyphen). Note that the host name cannot start or end with a hyphen.

Setting the Maximum Number of Wi-Fi Users

If your network is having performance issues, you might want to decrease the number of Wi-Fi users allowed to connect to the device. To do this:

1. Make sure you're logged in to the home page.
2. Click the  icon and, in the Connected Users window, click a value in the **Max Wi-Fi users** list.

— or —

Click **Advanced settings > Wi-Fi > Network**, and click a value in the **Max Number of Users** list.

Wi-Fi Channel

The Wi-Fi channel is the active channel of the Wi-Fi access point. If your network is having performance issues (possibly caused by other Wi-Fi networks in the vicinity using the same channel), try a different Wi-Fi channel. To use a different Wi-Fi channel:

1. Log in to the home page.
2. Click **Advanced settings > Wi-Fi > Network**.
3. Click a channel number in the **Wi-Fi Channel** list, or, to have the device automatically determine the channel to use, click **Auto**.

Disabling Wi-Fi When Connected Through USB

You can optionally turn off the device's Wi-Fi when connected via the micro-USB cable. In this case:

- Only a computer that is connected to the device through the micro-USB cable can use the device.
- You can prolong the battery life of the device.
- The battery charges faster.

To enable this feature:

1. Make sure you're logged in to the home page.
2. Click the Connected Users icon (for example, ) and set **Disable Wi-Fi** to **When connected to USB**.

— or —

Click **Advanced settings > Wi-Fi > Network** and set **Disable Wi-Fi** to **When connected to USB**.

- ◆ Viewing 3G Activation Information (page 95)
- ◆ 3G Panel (page 95)
- ◆ Resetting the 3G and 4G Configurations to Default Settings (page 96)

Viewing 3G Activation Information

1. Log in to the home page.
2. Click **Advanced settings** (🔍).
3. Click **Device > About**.

The following fields are related to 3G activation:

- **Activation Status** – This field reflects whether 3G is activated.
- **Activation Date** – This is the date that the 3G modem was first activated.
- **Network Operator** – This field shows the carrier that your device was activated with.

3G Panel

1. Log in to the home page.
2. Click **Advanced settings** (🔍).
3. Click **WAN > 3G**.

From this window, you can view this information:

- **Connection Status** – This field reflects the status of the 3G connection: connected, not connected, or dormant.
Dormant means a connection is established, but no data is being transferred.
- **Service Type** – This is the network that is currently being used for your data connection (1xRTT, EVDO, or EVDO Rev. A).
- **Coverage Type** – This is a list of the types of 3G networks that are available. The **RSSI** and **Ec/Io** for each type are shown.

RSSI reflects the signal strength of the network.

Ec/Io is a dimensionless ratio of the average power of a channel, typically the pilot channel, to the total signal power.

- **MDN** (Mobile Directory Number) – This is a 10-digit phone number.
- **SID** (System ID) – The System ID identifies your home network area and is used in conjunction with your phone number to determine if you are “home” or “roaming.”

- **MSID** (Mobile Station ID) – Also known as IMSI (International Mobile Station Identity), the MSID is an identifier of a device on the 3G network.
- **NAI** (Network Access Identifier) – This is your User ID for accessing the 3G network.
- **Roaming Status** – This indicates whether you are home or roaming (outside of Sprint coverage).
- **PRL Version** – The PRL (Preferred Roaming List) is an account configuration item set by your service provider. It controls the radio channels and network carrier used by the 3G modem. An updated PRL may improve your 3G network service.

Tip: You can view the 3G connection status on the “Network Status” LCD information screen. (See “LCD Information Screens” on page 17.)

Resetting the 3G and 4G Configurations to Default Settings

Note: Reset the configurations only if instructed by a Sprint representative.
 After a configuration reset:

- You must go through the device setup (page 20) and 3G activation. (The latter starts automatically.)
- Any changes you’ve made to the settings are lost.

1. Log in to the home page.
2. Click **Advanced settings > Device > About**.
3. Click **Reset Device to Factory Defaults**.
4. When prompted, enter the SPC (Service Programming Code). (If you don’t know your SPC, contact Sprint.)

To be able to establish a data connection after you’ve reset the device to factory defaults, you must first:

1. Go through the device setup (page 20).
2. Go through 3G activation or, if using 4G, use pay-as-you-go.

- ◆ **Setting the GPS Mode (page 97)**
- ◆ **Setting the GPS Fix Rate (page 98)**
- ◆ **Using Metric Units (page 98)**
- ◆ **Changing Your Mapping Service (page 98)**
- ◆ **Performance Setting (GPS) (page 98)**
- ◆ **Accuracy (page 99)**

Basic GPS settings can be changed in the GPS Information and Settings window. (See “GPS Information and Settings” on page 46.)

Additional settings are available at **Advanced settings > WAN > GPS**.

Setting the GPS Mode

GPS mode determines whether the location fix is done:

- Once (“one-time”), or
- Periodically (“continuous”) – used, for example, for turn-by-turn (TBT) navigation applications.

To set the GPS mode:

1. Make sure you’re logged in to the home page.
2. Click **Advanced settings > WAN > GPS**.
3. Select the **Enable GPS** check box if it is not selected.
4. Select one of the following:
 - **One-time** – A single fix is used. Use this option if you’ll be using your device at the same location.

Tip: If you want to get a fix immediately, click **Get fix now**.

- **Continuous** – Fixes are obtained on a regular basis; also known as auto-tracking. Useful for turn-by-turn (TBT) navigation applications, such as driving directions.


Setting the GPS Fix Rate

The GPS fix rate determines how often GPS fixes are obtained. This option is available only if the fix mode (**GPS Mode**) is set to **Continuous**.

1. Log in to the home page.
2. Click **Advanced settings > WAN > GPS**.
3. Make sure **GPS Mode** is set to **Continuous**.
4. In the **Fix Rate** field, enter a number of seconds between 1 and 999. (The smaller the number, the more up-to-date the location tracking will be, at the cost of shorter battery life of the device.)


Using Metric Units

To use metric units in the display of location information (for example, speed and altitude):

1. Make sure you're logged in to the home page.
2. Click the GPS icon  on the left side of the home page.
3. In the GPS Information and Settings window, select the **Metric units** check box.

Changing Your Mapping Service

To change the mapping service (for example, Google Maps or MapQuest) that displays the GPS results (in a separate browser window):

1. Make sure you're logged in to the home page.
2. Click the GPS icon  on the left side of the home page.
3. Click a service in the **Mapping service** list in the GPS Information and Settings window.

Performance Setting (GPS)

The performance setting determines the amount of time the device waits for a satellite to be discovered when obtaining GPS information.

1. Log in to the home page.
2. Click **Advanced settings > WAN > GPS**.
3. In the **Performance Value** section, select one of the following:
 - **Automatic** – The device automatically determines the most appropriate setting to use.
 - **Manual** – In the input field, enter the number of seconds the device should wait for a satellite to be discovered. If this time is exceeded, an error is reported.


Accuracy

The accuracy setting determines how accurate the location information is.

1. Log in to the home page.
2. Click **Advanced settings > WAN > GPS**.
3. In the **Accuracy** section, select one of the following:
 - **Automatic** – The device automatically determines the most appropriate setting to use.
 - **Manual** – In the input field, enter the number of meters to which the data must be accurate.
Note: If the value is very small (that is, very high accuracy), the fix may fail.


Section 5J

Configuring the Router Tab

- ◆ Basic Panel (page 100)
 - ◆ LAN Panel (page 101)
 - ◆ Port Forward Panel (page 105)
 - ◆ Port Trigger Panel (page 107)
 - ◆ DMZ Panel (page 108)
 - ◆ Resetting the Software to Default Settings (page 109)
1. Log in to the home page.
 2. Click **Advanced settings** (.
 3. Click **Router**.
 4. Depending on the settings you want to configure, click one of the panels:
 - **Basic**. (See “Basic Panel” on page 100.)
 - **LAN**. (See “LAN Panel” on page 101.)
 - **Port Forward** – Port forwarding lets you forward incoming traffic to specific ports and devices (per their local IP address) on your network. (See “Port Forward Panel” on page 105.)
 - **Port Trigger** – You can set the device to monitor outgoing data on specific port numbers (trigger ports). (See “Port Trigger Panel” on page 107.)
 - **DMZ** – You can select one computer to receive all unsolicited incoming connections. (See “DMZ Panel” on page 108.)

Basic Panel

To access this panel:

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Router > Basic**.

From this window, you can enable or disable these features, and perform these actions:

- **USB Tethered Networking** – To prevent an unauthorized user from using the device through the micro-USB cable, set this field to **Disable**. Users will be able to connect only through Wi-Fi and only after they provide the correct Wi-Fi password (if Wi-Fi security is enabled).

This setting does not affect the ability to charge the Overdrive Pro 3G/4G Mobile Hotspot through the micro-USB cable.

- **Port Forwarding** – Port forwarding lets you forward incoming traffic to specific ports and devices (per their local IP address) on your network. (See “Port Forward Panel” on page 105.)

- **Port Triggering** – You can set the device to monitor outgoing data on specific port numbers (trigger ports). (See “Port Trigger Panel” on page 107.)
- **DMZ** – You can select one computer to receive all unsolicited incoming connections. (See “DMZ Panel” on page 108.)
- **UPnP** (universal plug and play). (See “UPnP (Universal Plug and Play)” below.)
- **SPI** (stateful packet inspection). (See “SPI (Stateful Packet Inspection)” below.)
- **Router Settings Reset**. (See “Resetting the Software to Default Settings (Through the Browser Interface)” on page 111.)

UPnP (Universal Plug and Play)

UPnP provides simple and robust connectivity among consumer electronics, intelligent appliances, and mobile devices from many different vendors. (For more information, see www.upnp.org.)

Note: If UPnP is enabled, there are potential security risks.

Enabling UPnP

Before you can use UPnP, you must enable it.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Next to **UPnP**, select **Enable**.

SPI (Stateful Packet Inspection)


SPI, also known as “dynamic packet filtering,” helps to prevent cyberattacks by validating that the traffic passing through a session conforms to the protocol used for this type of session. Packets that are not conforming get rejected.

Enabling SPI

Before you can use SPI, you must enable it.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Next to **SPI**, select **Enable**.

LAN Panel

1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **Router > LAN**.

From this window, you can view or adjust these settings, or perform the following actions:

- **Router IP Address** – This is the routing hardware’s IP address on the LAN.
- **Subnet Mask** – This is the routing hardware’s internal LAN subnet mask.
- **Hostname** – This is, in essence, a name you’re giving the device. (See “Host Name (Device Name)” on page 93.)
- **Link SSID and Hostname** – With this feature you only need to remember one name when selecting the Wi-Fi network, accessing the browser interface, or accessing the microSD card. (See “Linking the SSID and the Host Name” on page 88.)
- **SSID** – This is the name of the Wi-Fi network. (See “SSID (Wi-Fi Network Name)” on page 87.)
- **MTU Mode** – This specifies whether optimization is used.
 - **Auto** – Optimization is not used.
 - **Optimized** – Optimization is used; this may improve data transmission.
- **DHCP Server** – This field enables DHCP.

Note: The following settings are displayed only when DHCP is enabled.

- **DHCP IP Address Range** – This specifies the starting and ending address of the range of IP addresses available for the device to dynamically (that is, not permanently) assign to computers connected to it.
- **DHCP Lease Time** – This is the amount of time, in minutes, a computer can use its assigned IP address before it is required to renew the lease. After this time is up, the computer is automatically assigned a new dynamic IP address.
Enter a number between 2 and 10080.
- **Max DHCP Clients** – This is the number of DHCP addresses that can be assigned and active at one time. It’s recommended you set this to a number greater than the number of Wi-Fi users.
- **DNS Mode** – This specifies how the DNS servers (that the DHCP clients are to communicate with) are obtained.
 - **Auto** – The DNS server specified by Sprint is used. **DNS Relay** is enabled by default.
 - **Manual** – The routing hardware assigns DHCP clients the DNS servers specified in the **Manual DNS Server #1** and **#2** fields.
Use this option to access a DNS server that provides customized addressing or if you have a local DNS server on your network.
If **DNS Relay** is disabled, the routing hardware rejects DNS requests targeting the internal DNS proxy.
- **Manual DNS Server #1** and **#2** – These are the static IP addresses to use for the DNS servers (if **DNS Mode** is Manual); available only if **DNS Mode** is Manual.
- **DNS Relay** – If enabled, and if **DNS Mode** (see above) is Manual, the routing hardware assigns DHCP clients the DNS servers specified in the **Manual DNS Server #1** and **#2** fields.
If **DNS Relay** is set to Disable, the routing hardware rejects DNS requests targeting the internal DNS proxy.

The **DNS Relay** field is configurable and displayed only if **DNS Mode** is Manual. If **DNS Mode** is Auto, DNS Relay is enabled by default.

- **DHCP Static IP Assignment List** – You can assign a permanent IP address to a MAC address, and view the static IP assignment list. (See “DHCP Static IP Assignment List” on page 104.)

DHCP

DHCP (Dynamic Host Control Protocol) automatically assigns an IP address to each device on the network and manages other network configuration information for devices connected to your network. You do not need to manually configure the IP address on each device that's on your network.

The assigned IP addresses are not permanent (as opposed to when using static IP).

Most ISPs (Internet Service Providers) use DHCP.

Normally, you should enable DHCP, in which case you must configure each device on the network with one of the following:

- TCP/IP settings set to “Obtain an IP address automatically.”
- TCP/IP bound to the Ethernet connection with DHCP.

If DHCP is disabled, you must configure each device on the network with:

- Fixed (permanent/static) IP address.
- DNS server addresses (provided by Sprint).

Enabling DHCP

1. Log in to the home page.
2. Click **Advanced settings > Router > LAN**.
3. Next to **DHCP Server**, select **Enable**.

Configuring DHCP

To configure DHCP settings, DHCP must be enabled (**Advanced settings > Router > LAN > DHCP Server**).

You can set the following DHCP settings in **Advanced settings > Router > LAN**:

- **DHCP IP Address Range** – This is the starting and ending address of the range of IP addresses available for the device to dynamically (that is, not permanently) assign to computers connected to it.

The start address must be 192.168.0.10 or above.

The ending address must be 192.168.0.50 or below.

- **DHCP Lease Time** – This is the amount of time, in minutes, a computer can use its assigned IP address before it is required to renew the lease. After this time is up, the computer is automatically assigned a new dynamic IP address.

Enter a number between 2 and 10080.

- **Max DHCP Clients** – This is the number of DHCP addresses that can be assigned and active at one time. It's recommended you set this to a number greater than the number of Wi-Fi users.
- **DNS Mode** – This specifies how the DNS servers (that the DHCP clients are to communicate with) are obtained. (See “DNS Mode” on page 105.)
- **DHCP Static IP Assignment List** – You can assign a permanent (static) IP address to a device on your network, and view the static IP assignment list. (See “DHCP Static IP Assignment List” below.)

DHCP Static IP Assignment List

With DHCP, IP addresses are assigned dynamically; devices typically don't have a permanent IP address.

However, in some cases you might want to assign a static (permanent) IP address to a device, while still using DHCP for the rest of the devices on your network. This is also known as “DHCP reservation.” You might want to do this with, for example, a Web server, FTP server, or media server.

Viewing the Static IP Assignment List

1. Log in to the home page.
2. Click **Advanced settings > Router > LAN**.
3. Make sure DHCP is enabled (**DHCP Server**).
4. Click **DHCP Static IP Assignment List**.

Assigning an IP Address Based on a MAC Address

1. Follow the above steps to display the DHCP Static IP Assignment List window.
2. In the **Hostname** field, enter a meaningful description of the device.
3. In the **MAC Address** field, enter the MAC address of the device. (If you don't know this address, see “Finding the MAC Address” on page 128.)
4. In the **IP Address** field, enter the IP address you want to assign to the device.
5. Select the **Enable** check box to have the device use the designated IP address.
6. Click **Add**.
7. Click **Save**.

Removing an IP Address Based on a MAC Address

1. Click **DHCP Static IP Assignment List** on the **LAN** panel of the **Router** tab.
2. To keep the device information in the list (in case you want to re-enable DHCP for this MAC address later on), clear the **Enable** check box.

– or –

To remove the device from the list:

- Click the row that you want to remove. A row of buttons (**Delete**, **OK**, **Cancel**) appears.
- Click **Delete**.

DNS Mode

The **DNS Mode** setting specifies how the DNS servers (that the DHCP clients are to communicate with) are obtained.

1. Log in to the home page.
2. Click **Advanced settings** (🔑).
3. Click **Router > LAN**.
4. Set **DNS Mode** to one of the following:
 - **Auto** – The DNS server specified by Sprint is used. **DNS Relay** is enabled by default.
 - **Manual** – The routing hardware assigns DHCP clients the DNS servers specified in the **Manual DNS Server #1** and **#2** fields.
Use this option to access a DNS server that provides customized addressing or if you have a local DNS server on your network.
If **DNS Relay** is disabled, the routing hardware rejects DNS requests targeting the internal DNS proxy.

For information on DNS Relay, see “LAN Panel” on page 101.

Port Forward Panel

Normally, incoming traffic (from the Internet) is blocked. However, port forwarding lets you forward incoming traffic to specific ports and devices (per their local IP address) on your network. For example, you can configure port forwarding so that:

- You can access your Remote Desktop from the Internet (by specifying the WAN [public] IP address that the device is using).
- Internet users can access a Web, FTP, or email server, or gaming or Internet application hosted by your computer.

Notes: Port forwarding creates a security risk. When not required, port forwarding should be disabled.

Port forwarding does not apply to normal browsing, file downloading, running most online games or other applications hosted on the Internet. (Some online games require port forwarding.)

Before you can use or configure port forwarding, you must enable it, as explained in “Enabling Port Forwarding” on page 106.

From the **Port Forward** panel of the **Router** tab of the **Advanced Settings** window, you can:

- Enable port forwarding for an application. (See “Enabling Port Forwarding for an Application” on page 106.)
- Remove an application from the port forwarding list. (See “Disabling Port Forwarding for an Application” on page 106.)

Enabling Port Forwarding

Before you can use or configure Port Forwarding, you must enable it.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Next to **Port Forwarding**, select **Enable**.
4. Click **Save**.

Enabling Port Forwarding for an Application

1. Make sure you've enabled port forwarding. (See "Enabling Port Forwarding" on page 106.)
2. Click **Advanced settings > Router > Port Forward**.
3. In the last row of the table, click the **Application** field, and select the application type from the list.
The values for **Start** and **End** ports are automatically filled in.
4. If necessary, change the range of port numbers associated with the application. Traffic will be allowed (not blocked) if its destination port number is in the specified range.
 - In the **Start** field, enter the number that starts the port range.
 - In the **End** field, enter the number that ends the port range.
If the range consists of only one port, enter the number that you entered in the **Start** field.
5. In the **Protocol** list, click the protocol(s) used for this application (TCP, UDP, or both).
6. In the **IP Address** field, enter the IP address of the server to be accessed.
7. Make sure **Enable** is selected.
8. Click **Add**.
9. Click **Save**.

Disabling Port Forwarding for an Application

1. Make sure you've enabled port forwarding. (See "Enabling Port Forwarding" on page 106.)
2. Click **Advanced settings > Router > Port Forward**.
3. To keep the application in the list (in case you want to re-enable port forwarding later on), clear the **Enable** check box.
– or –
To remove the application from the list:
 - Click the row that you want to remove. A row of buttons (**Delete**, **OK**, **Cancel**) appears.
 - Click **Delete**.

Port Trigger Panel

Some applications require multiple ports open for communication, many of which may be initiated by a computer on the WAN. Examples of this include video conferencing, VoIP (Internet telephony), and Internet gaming.

With port triggering, the device monitors outgoing data on specific port numbers (trigger ports).

The device keeps track of the IP address of the computer that sends data on these trigger ports, so that when incoming data on the forward ports arrives, the device sends the incoming data to the same computer.

Before you can use or configure port triggering, you must enable it, as explained in “Enabling Port Triggering” below.

From the **Port Trigger** panel of the **Router** tab of the **Advanced Settings** window, you can:

- Enable port triggering for specified protocols and ports. (See “Enabling Port Triggering for Specified Protocols and Ports” below.)
- Remove protocols and ports from the port triggering list. (See “Removing Ports From the Port Triggering List” on page 108.)

Enabling Port Triggering

Before you can use or configure Port Triggering, you must enable it.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Next to **Port Triggering**, select **Enable**.

Enabling Port Triggering for Specified Protocols and Ports

1. Make sure you've enabled port triggering. (See “Enabling Port Triggering” [above].)
2. Click **Advanced settings > Router > Port Trigger**.
3. In the last row of the table, in the first **Protocol** list, click the protocol(s) used by the application for outgoing traffic (to the Internet, sent through the trigger ports).
4. In the **Trigger Ports** field, enter the port number(s) used to determine that the application is in use. (That is, specify the port number or range of port numbers that the application uses for outgoing traffic. Check the user documentation for the application.)
To specify a range of port numbers, separate the start and end port number with a hyphen.
5. In the second **Protocol** list, click the protocol(s) used by the application for incoming traffic (from the Internet).
6. In the **Forward Ports** field, enter the ports to forward to the computer that triggered the rule. (That is, specify the port number or range of port numbers that the application uses for incoming traffic. Check the user documentation for the application.)
7. To specify a range of port numbers, separate the start and end port number with a hyphen.
8. Make sure **Enable** is selected.

9. Click **Add**.
10. Click **Save**.

Removing Ports From the Port Triggering List

1. Make sure you've enabled port triggering. (See "Enabling Port Triggering" on page 107.)
2. Click **Advanced settings > Router > Port Trigger**.
3. To keep the entry in the list (in case you want to re-enable this entry later on), clear the **Enable** check box.

– or –

To remove the entry from the list:

- Click the row that you want to remove. A row of buttons (**Delete, OK, Cancel**) appears.
- Click **Delete**.

DMZ Panel

DMZ stands for "demilitarized zone." You can select one computer to receive all unsolicited incoming connections.

The IP address of the DMZ is the default recipient of incoming packets (from the Internet) that are not handled by port forwarding rules, port triggering rules, or NAT'd connections:

1. If port forwarding, port triggering, or both are enabled, incoming traffic is routed according to the port forwarding rules, port triggering rules, or NAT'd connections.
2. If incoming traffic was not routed as a result of the above:
 - If DMZ is enabled, then incoming traffic is routed to the computer that uses the IP address specified by the DMZ settings.
 - If DMZ is not enabled, the incoming traffic is blocked.

Note: Putting a computer in the DMZ opens all the ports of that computer, and exposes that computer to various security risks. Use this option only as a last resort – if possible, use other options instead (for example, port forwarding or port triggering).

Enabling DMZ

Before you can use or configure DMZ, you must enable it.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Next to **DMZ**, select **Enable**.
4. Click **Save**.

Configuring DMZ

1. Make sure you've enabled DMZ. (See "Enabling DMZ" on page 108.)
2. Click **Advanced settings > Router > DMZ**.
3. Specify the computer that you want exposed to the Internet: in the **Destination IP Address** field, enter the IP address of the computer. (If you don't know how to find the IP address, see "Finding the IP Address" on page 129.)
4. In the **Source IP Address** section, specify what incoming traffic (not handled by port forwarding, port triggering, or NAT) to forward to this computer.

To forward all incoming traffic, click **Any**.

– or –

To forward incoming traffic from certain IP addresses:

■ Click **Restriction**.

■ In the two additional fields that are displayed, enter the start and end IP addresses of a range.

5. Using the DHCP Static IP Assignment List, assign an IP address based on the MAC address of the computer that is in the DMZ. (See "Assigning an IP Address Based on a MAC Address" on page 104.)

– or –

On the computer that is in the DMZ, disable DHCP, and manually assign the IP address, gateway, and DNS server.

Resetting the Software to Default Settings

WARNING: If you reset the software to default settings:

- You must go through the device setup (page 20), as if you've just purchased the device.
- Any changes you've made to the settings are lost.

Your 3G and 4G account information is not affected; after reset, the device remains provisioned for service.

You'll need to reset the software to default settings if:

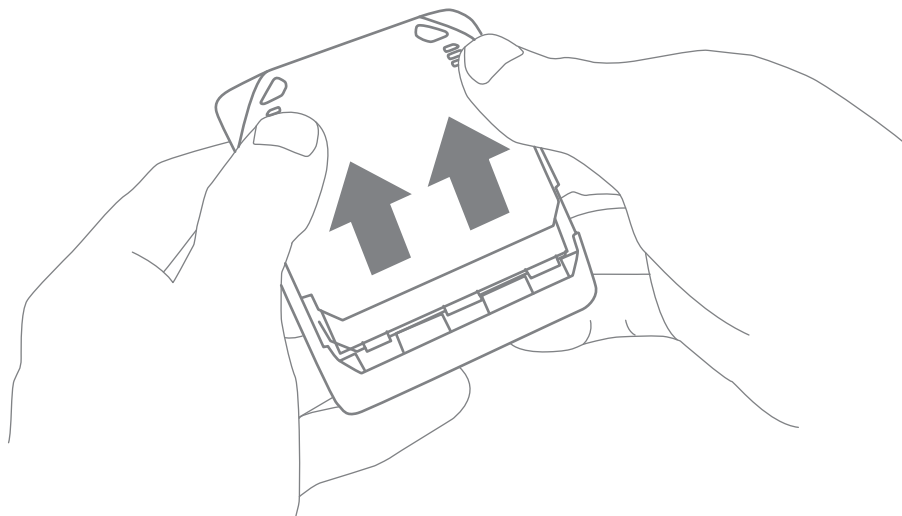
- You've forgotten the administrator password.
- You've changed the DHCP settings such that the device is inoperable (for example, there's no communication with the device).

You have two options to initiate the reset:

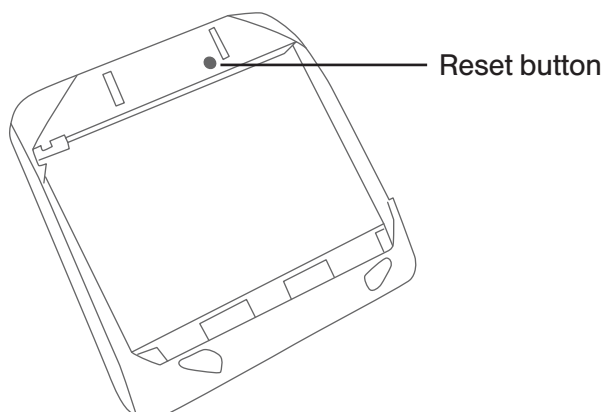
- Through the software. (See "Resetting the Software to Default Settings (Through the Browser Interface)" on page 111.)
- Through the reset button on the device. (See the following section.)

Resetting the Software to Default Settings (Through the Reset Button)

1. Using slight thumb pressure, slide the battery compartment cover upward to remove it.

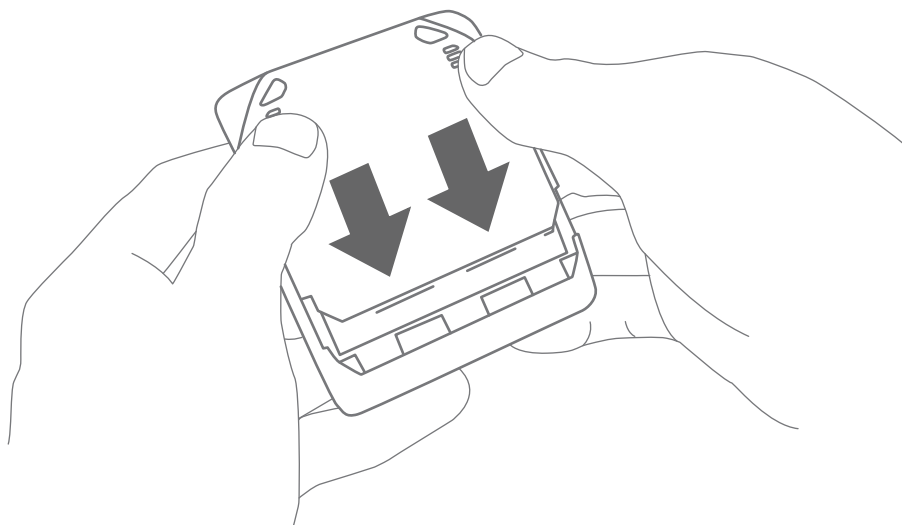




2. Locate the small hole near the battery compartment. The reset button is inside this hole.



3. Insert a thin object (for example, the end of a paper clip) into the hole, and press down **for five or more seconds**.

4. Replace the battery compartment cover.





5. Check the device LCD. If it displays “Reset to factory defaults? Press  to accept,” press the power button  on the device.
6. Follow the instructions on the device LCD.

Resetting the Software to Default Settings (Through the Browser Interface)

WARNING: If you reset the software to default settings:

- You must go through the device setup (page 20), as if you’ve just purchased the device.
- Any changes you’ve made to the settings are lost.

Your 3G and 4G account information is not affected; after reset, the device remains provisioned for service.

1. Log in to the home page.
2. Click **Advanced settings > Router > Basic**.
3. Click **Router Settings Reset**.
4. Check the device LCD. If it displays “Reset to factory defaults? Press  to accept,” press the power button  on the device.
5. Follow the instructions on the device LCD.

Section 5K

Exporting and Importing Settings

- ◆ Exporting Settings (page 112)
- ◆ Importing Settings (page 112)

Exporting Settings

Settings include configuration information for the device, network, and browser interface.

You can, for example, save the current configuration, then make some changes and test them. You can then use the **Import** button to restore (load) the saved configuration.

To export the settings to a text file:

1. Log in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. Click **Export**.

Importing Settings

1. Log in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. Browse to and click the file with the saved settings.
4. Click **Import**.

Note: Your device may reset, and you may need to reconnect to Wi-Fi and the Internet. (See “How Do I Connect to Wi-Fi?” on page 120 and “Launching Your Network Connection” on page 40.)

- ◆ Available Logs (page 113)
- ◆ Connection History (page 113)
- ◆ System Events (page 114)
- ◆ Setting the Method Used for Time Acquisition (page 115)

Available Logs

The following types of logs are available:

- Connects and disconnects. (See the following section.)
- System events. (See “System Events” on page 114.)

Connection History

The connection history shows the time of connections to and disconnections from the Internet.

Note: The connection history does not log the amount of data transferred. In the Internet Connection Information window, you can view information on the current billing cycle and lifetime of the device. (See “Internet Connection Information” on page 49.)

Enabling and Disabling Logging of Connects and Disconnects

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. In the **Connect/Disconnect** section, select **Enable** or **Disable**.
4. Click **Save**.

Exporting the Connection History

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. Make sure **Connect/Disconnect** is set to **Enable**.
4. Click **Export**.

Clearing the Connection History

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. In the **Connect/disconnect** section, click **Clear log**.

System Events

You can enable or disable, as a group, the logging of the following events:

- Software update available
- Network update available
- Primary WAN failover
- Primary WAN switchback
- Unexpected data connection loss
- Changes to miscellaneous settings

The following system events are always logged:

- Intrusion alerts
- Unexpected power loss
- Critical battery
- Critical temperature
- Routing hardware settings reset
- Firmware update

Enabling and Disabling Logging of System Events

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. In the **Verbose System Event Logging** section, select **Enable** or **Disable**.
4. Click **Save**.

Note: Certain events are always logged. (See “System Events” [above].)

Exporting System Events

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. Make sure **Verbose System Event Logging** is set to **Enable**.
4. Click **Export**.

Clearing the System Events Log

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. Make sure **Verbose System Event Logging** is set to **Enable**.
4. Click **Clear log**.

Setting the Method Used for Time Acquisition

Time information is stored in the connection history log and system events log.

To set the method used for obtaining the time:

1. Log in to the home page.
2. Click **Advanced settings > Device > Log**.
3. Select the **3G** or the **NTP** check box.
 - **3G** – Time information is obtained from the 3G (CDMA) network; this is more accurate than NTP, but requires 3G coverage.
 - **NTP** – The device's clock is synchronized to a Network Time Protocol server on the Internet; not as accurate as when using the **3G** setting, but doesn't require 3G coverage. Use this setting if you have 4G but no 3G coverage.

Section 5M

Setup Pages

- ◆ Welcome to Your Device Window - Select an Option (page 116)

Welcome to Your Device Window - Select an Option

The Welcome to Your Overdrive Pro window opens:

- Automatically, as part of the initial setup of your newly purchased device.
- When you click **Admin Setup** (🌐) from the home page, make changes (if applicable) and then click **Submit** (you must be logged in).

Note: This window displays the administrator password and the address of the device home page. Please remember this information or write it down in a safe place.

This window provides several options.

- To keep the default settings of the device, select one of the following:
 - **The Internet** – This connects you immediately to the Internet.
 - **My Overdrive Pro's home page** – From the home page you can view the device status and customize settings.
- To change security settings, select **Set up my Overdrive Pro**.

Section 6

Resources

Section 6A

More Information

- ◆ Visiting the Sprint Website (page 118)
- ◆ Contacting Customer Service (page 118)
- ◆ Online Help (page 118)

Visiting the Sprint Website

Sign on to www.sprint.com to get up-to-date information on Sprint services, options, and more.

You can also:

- Review coverage maps.
- Access your account information.
- Add additional options to your service plan.
- Purchase accessories.
- Check out frequently asked questions.
- And more.

Contacting Customer Service

You can reach Sprint Customer Service by:

- Logging on to your account at www.sprint.com.
- Calling us toll-free at **1-800-927-2199** (business use) or **1-888-211-4727** (personal use).

Online Help


In the browser interface, click **Help**  and, from the menu, select **Online Help**.

The Help system opens in a new Web browser window or tab.

You have several options to find the information you need:

- Browse the Table of Contents.
- Use the Index or Search feature: click the appropriate button in the lower left part of the help window, and type the information you're looking for.

Other Ways to View Help Information

- Some windows have a  icon. Click the icon to view Help information.
- When you move the cursor over a field or button in **Advanced Settings**, help information, if available, appears to the right of the window.

Contextual Help in the Advanced Settings Window

When you move the cursor over a field or button in **Advanced Settings**, help information on this item, if available, appears to the right of the window.

To turn this feature on or off:

1. Make sure you're logged in to the home page.
2. Click **Advanced settings > Device > Basic**.
3. Set **Help for Advanced Settings** to **Show** or **Hide**.
4. Click **Save**.



Section 6B

Frequently Asked Questions

- ◆ How Can I Tell I'm Connected to 3G or 4G? (page 120)
- ◆ How Do I Connect to Wi-Fi? (page 120)
- ◆ Is Roaming on 4G Supported? (page 121)
- ◆ What Do I Do if I Forget the Wi-Fi Password? (page 121)
- ◆ What Do I Do if I Forget the Administrator Password? (page 121)
- ◆ What Do I Do if the Home Page Displays "Charging paused"? (page 122)
- ◆ If the Connection is "Always On," Am I Always Being Billed? (page 122)
- ◆ Questions About GPS and Sprint Location Services (page 122)
- ◆ How Do I Access My Corporate Network Through a VPN? (page 124)
- ◆ Are Terminal Sessions Supported? (page 124)

How Can I Tell I'm Connected to 3G or 4G?

When you're connected:

- The 3G or 4G icon (on the left side of the home page) is solid. For example, .
- The bottom area of the device LCD, the Virtual Device, and the Mini Window show the data transfer icon  and data transfer information (amount of data; connection duration).

How Do I Connect to Wi-Fi?

You may have to manually connect to Wi-Fi after certain events — for example, as part of the initial device setup, or after a software update.

Tip: The Wi-Fi network name is displayed on the device LCD.

To connect to Wi-Fi:

1. Do one of the following, depending on your operating system.

Windows

Windows 7: Right-click the  icon in the system tray.

Windows Vista: Click **Control Panel > Network and Internet > Network and Sharing Center > Connect to a network.**

Windows XP: Click **Control Panel > Network Connections > Wireless Network Connections > View available wireless networks.**

Mac

Click the AirPort icon  (in the upper right corner of your screen).

Linux

Please see the user documentation of the Linux distribution.

Other operating systems

Please see the user documentation for your operating system or computer.

2. Select the Wi-Fi network provided by the Overdrive Pro 3G/4G Mobile Hotspot and connect to it. (If prompted for a network key/security key/password, enter the Wi-Fi password.)

Is Roaming on 4G Supported?

At the time of this release, roaming on 4G is not supported.

What Do I Do if I Forget the Wi-Fi Password?

- If the Wi-Fi Password Reminder feature is enabled, display the password on the device. (See “Wi-Fi Password Reminder” on page 90.)
- Connect the device to your computer through USB, then log in and view the Wi-Fi password (in **Advanced settings > Wi-Fi > Security**). Write the password down in a safe place. (See “Connecting Through USB” on page 11.)

Note: If you've forgotten both the Wi-Fi password and the administrator (login) password, then you must reset the software to default settings. (See “Resetting the Software to Default Settings” on page 109.)

What Do I Do if I Forget the Administrator Password?

1. Reset the software to default settings. (See “Resetting the Software to Default Settings” on page 109.)
2. Go through the device setup, during which the administrator password will be displayed; write it down in a safe place. (See “Device Setup” on page 20.)

What Do I Do if the Home Page Displays “Charging paused”?

If the text after the battery icon (on the home page) includes “Charging paused” (as shown in the screenshot below), try the following:

- Connect your device through the micro-USB cable.
- Disconnect from the 3G or 4G network.
- Turn the device off and wait until it no longer feels warm to the touch.



Note: The “About...” LCD information screen will display “chrg paused.” (For more information on the LCD information screens, see page 17.)

If the Connection is “Always On,” Am I Always Being Billed?

No. The connection to the network goes dormant after a period of inactivity, but the connection can be re-established faster than having to reconnect. Billing occurs only when data is passed across the network.

Questions About GPS and Sprint Location Services

What is LBS?

LBS (Location-Based Services) is used to provide enhanced Local Search feature via internet mapping services. (For more information, see “Performing a Location Search” on page 60.)

What is GPS?

GPS stands for Global Positioning System, which is a system that uses a series of 24 geosynchronous satellites to provide location data.

GPS satellites transmit signals to equipment on the ground. GPS receivers passively receive satellite signals, but do not transmit.

What is Enhanced Local Search?

Enhanced Local Search is a quick, easy method to run, via the browser interface, local search queries to find locations and directions to locations and businesses.

The enhanced Local Search feature uses LBS and allows you to search for Sprint stores, restaurants, banks, hotels, or other points of interest. (For more information, see “Performing a Location Search” on page 60.)

How Do I Use the Enhanced Local Search Feature?

See “Performing a Location Search” on page 60.

Where Can I Use GPS?

GPS works wherever you have line-of-sight access to the GPS satellites.

How Do I Enable or Disable GPS?

By default, Sprint Location Services are disabled. To enable Sprint Location Services, see “Enabling GPS” on page 59.

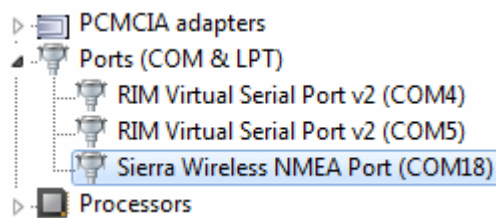
Location-Based Services Limitations

Weather conditions may affect your ability to get a clear view of the satellites and thus to acquire a GPS fix.

How Can I Stream GPS Data to Use With a Third-party GPS Application?

1. Install the device driver. (See “Making a Tethered Connection” on page 29.)
2. Set **GPS Mode** (in **Advanced settings > WAN > GPS**) to **Continuous**.
3. Determine the COM port number that your Sierra Wireless device (that is, your Overdrive Pro 3G/4G Mobile Hotspot) is using.

In the following example for Windows, the Device Manager shows that COM 18 is used. In your case, the COM port number might be different.



(If you don't know how to access the Device Manager, see http://sierrawireless.custhelp.com/app/answers/detail/a_id/698.)

4. Configure your GPS application to use the same COM port. For help, see the documentation of the GPS application.

How Do I Access My Corporate Network Through a VPN?

Using Sprint Data Link

Sprint Data LinkSM is a network feature that allows you to directly connect to your corporate VPN.

With Data Link, you and your mobile workforce can maintain a secure, seamless VPN connection between your enterprise network and the advanced Sprint Mobile Broadband Network.

To learn more about Data Link, to arrange a connectivity solution that works for you, or to configure Data Link, please contact Sprint.

If You're Not Using Sprint Data Link


Once you complete a wireless connection, you may need to launch an extranet client provided by your company and supply the appropriate user name and password to gain access. For support, contact your company help desk.

Are Terminal Sessions Supported?

Terminal sessions (for example, via `telnet` or `ssh`) are not supported.

- ◆ Extending Battery Life (page 125)
- ◆ Device Location (page 126)
- ◆ Improving Signal Strength (page 126)
- ◆ Improving 3G Network Service (page 126)
- ◆ Improving Wi-Fi Performance (page 127)
- ◆ Security Tips (page 128)
- ◆ Finding the MAC Address (page 128)
- ◆ Finding the IP Address (page 129)

Extending Battery Life

- Consider purchasing and using a battery extender (a high-capacity battery that provides improved battery life; available at <https://www.sierrawireless.com/eStore>).
- When you're not using the device, turn it off, or end the 3G/4G connection. (Click **Disconnect** on the home page or in the Mini Window.)
- Connect the device through the micro-USB cable to your computer, and disable Wi-Fi. (See "Disabling Wi-Fi When Connected Through USB" on page 94.)
- Adjust the LCD – do one or more of the following:
 - Turn the LCD off (**Advanced settings > Device > Display > LCD Backlight**).
 - Decrease the brightness of the LCD (**Advanced settings > Device > Display > Backlight Settings > On Battery/USB Power**).
 - Set the LCD to turn off sooner. (See "Setting the LCD Timeout" on page 71.)
- Configure the setting (for when battery powered or connected via USB) to "Short Wi-Fi Range" (**Advanced settings > Wi-Fi > Network > Battery or USB Powered**).
- Enable standby (low power) mode. (See "Standby (Low Power) Mode" on page 49.)
- Turn off the lighting of the power button  (that is, LED) (**Advanced settings > Device > Display > Power Button LED**).
- Limit the number of Wi-Fi users (**Advanced settings > Wi-Fi > Network > Max Number of Users**).
- If you have 3G but not 4G coverage, set **WAN mode** to "3G only" (**Advanced settings > WAN > Setup > WAN Mode**).
- Set **Wi-Fi > Network > Wi-Fi Power Save Mode** to "On."
(If your computer tends to lose the Wi-Fi connection and stops responding, set this field to "Off.")
- If GPS is enabled and you're using your device from the same location, set **GPS Mode** to "One-time." (See "Setting the GPS Mode" on page 97.)

Device Location

- Avoid moisture or extreme temperatures.
- For improved reception, place the device near a closed window.
- Place your device within easy reach of a reliable power supply and the computer to which it will be connected.

Improving Signal Strength


- Make sure you're inside a 3G or 4G coverage area.
- Try reorienting your device.
- Move the device and your computer to another location — you may be in or near a structure that is blocking the signal. Every obstacle (for example, walls, ceilings, furniture) between the Overdrive Pro 3G/4G Mobile Hotspot and other wireless devices decreases the signal strength.
- Place the device in a centralized location, as high as possible in the room.
- Make sure there's plenty of space around your device to provide the best signal reception.
- Keep the device at least 3–6 feet away from electrical devices that generate RF interference (for example, microwaves, TVs, 2.4 GHz cordless phones, cellular phones, baby monitors, wireless speakers). If you're not using these electrical devices, turn them off.
- If possible, place your devices so that the signal passes through open doorways or drywall, as opposed to concrete, brick, metal, walls with insulation, and so on.
- If you cannot obtain service, contact Sprint — a network or account problem may be preventing you from obtaining service.

Improving 3G Network Service

To improve your network service, periodically check for PRL and profile updates.

The PRL (Preferred Roaming List) is an account configuration item set by your service provider. It controls the radio channels and network carrier used by the 3G modem.

To check for these updates:

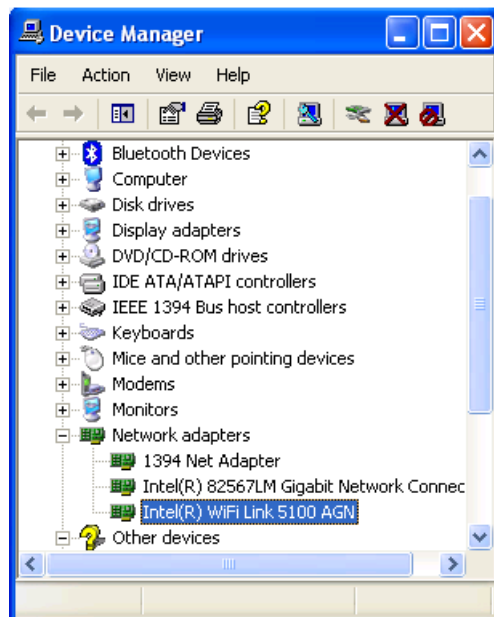
1. Log in to the home page.
2. Click **Advanced settings** (.
3. Click **WAN > Setup**.
4. Click **Update 3G PRL**.
5. After the update checking is completed, click **Update 3G Profile**.

Improving Wi-Fi Performance

- Try a different channel number. (See “Wi-Fi Channel” on page 94.)
- Check whether any device updates are available. (See “Updates” on page 61.)
- See the tips in “Improving Signal Strength” on page 126.
- Limit the number of Wi-Fi users (**Advanced settings > Wi-Fi > Network > Max Number of Users**).
- Select a longer Wi-Fi range (**Advanced settings > Wi-Fi > Network > Long Wi-Fi Range > Battery or USB Powered or AC Powered**).

Windows XP Users

1. Open the Device Manager.
 - Click **Start > Settings > Control Panel**.
 - Double-click **System**.
 - Click **Hardware**.
 - Click **Device Manager**.
2. Double-click **Network adapters**.
3. Double-click the Wi-Fi client network adapter of your computer – for example, “Intel(R) WiFi Link 5100 AGN” in the screenshot below.



4. If the Wi-Fi client network adapter is by Intel, click **Advanced** and, in the **Property** list, click **Power Management** and move the slider all the way to the right (to **Highest**). Click **OK**.

– or –

If the Wi-Fi client network adapter is not by Intel, select a configuration with minimal power savings (to maximize throughput).

Note: The above settings are often controlled by 3rd-party value-add applications and may be automatically changed. If Wi-Fi performance improves for a while after performing the above steps, but then declines, recheck the above settings.

Security Tips

- Change the Wi-Fi network name (SSID) and Wi-Fi password on a regular basis. (See “SSID (Wi-Fi Network Name)” on page 87 and “Wi-Fi Password” on page 90.)
- Disable SSID Broadcast. (See “Network Panel” on page 84.)
- Use the highest level of Wi-Fi security that your devices support. (See “Wi-Fi Security” on page 89.)
- Change the login password. (See “Changing the Administrator Password” on page 75.)
- Use MAC filtering to specify computers that are or aren’t allowed to connect to the network. (See “MAC Filter Panel” on page 86.)

Finding the MAC Address

You’ll need to know the MAC address of a device when:

- Assigning an IP address based on a MAC address (when using DHCP). (See “DHCP Static IP Assignment List” on page 104.)
- Allowing or denying computers access to the network. (See “Allowing or Denying Computers Access to the Network” on page 91.)


Tip: You can display a list of connected devices, including the MAC address of each device: click **List of connected devices**, available from **Advanced settings > Wi-Fi > MAC Filter** or from **Advanced settings > Wi-Fi > Network**.

The steps to finding the MAC address of a device vary, depending on your operating system.

Windows

1. Open a command prompt window.
 - Click **Start** and **Run**.
 - Type **cmd** or **command**, and click **OK**.
2. At the command prompt, type **ipconfig/all** and press **Enter**.
3. Write down the Physical Address for the entry that relates to the wireless network connection; it appears as a series of numbers and letters – this is the MAC address of your wireless adapter.

Mac OS X

1. From the Apple menu () , select **System Preferences**.
2. Select **Network**.
3. Select the adapter that is connecting to the routing hardware.
4. Select **Advanced**.
5. Select **Ethernet**. The Ethernet ID is listed. This is the same as the MAC address.

Linux

Please see the user documentation of the Linux distribution.

Other operating systems

Please see the user documentation for your operating system or computer.

Finding the IP Address

You'll need to know the IP address of a device when configuring any of the following:


- Port forwarding
- Port triggering
- DMZ
- Static DHCP features

The steps to finding the IP address of a device vary, depending on your operating system.

Windows

1. Open a command prompt window.
 - Click **Start** and **Run**.
 - Type **cmd** or **command**, and click **OK**.
2. At the command prompt, type **ipconfig** and press **Enter**.
3. Write down the IP Address for the entry that relates to the wireless network connection. (The IP address might be listed under "Ipv4 Address," or something similar.)

Mac OS X

1. From the Apple menu () , select **System Preferences**.
2. Select **Network**.
3. Select the wireless adapter. The IP address is displayed in the right pane.

Other operating systems

Please see the user documentation for your operating system or computer.

Section 6D

Troubleshooting Tips



- ◆ General Tips (page 130)
- ◆ LCD Is Dark (page 131)
- ◆ Insufficient Signal Strength (page 131)
- ◆ Messages Displayed on the Device LCD (page 131)
- ◆ Cannot Connect to Wi-Fi (page 133)
- ◆ Cannot Connect Through USB (page 134)
- ◆ Cannot Display the Home Page (page 134)
- ◆ Cannot Connect to the 3G or 4G Network (page 135)
- ◆ Sprint Location Services Aren't Working or Don't Seem to Be Available (page 136)
- ◆ GPS Fix Not Available (page 136)
- ◆ Cannot Check for Updates (page 136)
- ◆ Sounds Are Enabled, but the Device Doesn't Generate Any Sounds (page 136)

General Tips

- Check the system events log. (See “Exporting System Events” on page 114.)
- If some settings are preventing you from connecting to Wi-Fi, connect to the device through the micro-USB cable, and then change the settings. (See “Requirements for a USB Tethered Connection” on page 28 and “Making a Tethered Connection” on page 29.)
- Go to www.sprint.com/support to access troubleshooting and other resources.
- The knowledge base at the Sierra Wireless website (www.sierrawireless.com/support/customer_help.aspx) may also be useful.

LCD Is Dark

The following table describes situations that can cause the LCD to be dark (that is, not displaying any text or icons), and recommends actions.

Device state	LCD state	Your action
On	Off (Advanced settings > Device > Display > LCD Backlight is set to “Off”)	Turn on the LCD: set LCD Backlight to “On.”
On	On, but dormant (inactivity timeout)	Briefly press the power button  on the device.
Off	Off	Turn the device on: <ul style="list-style-type: none">● Make sure a battery is inserted into the device.● Press the power button  on the device for approximately two seconds.

If the LCD is still dark, use the micro-USB cable to connect the device to the AC charger or to a computer.

Insufficient Signal Strength

If you have insufficient signal strength, the icon  is displayed on the left side of the home page.

Insufficient signal strength may occur because:

- You are outside a 3G or 4G coverage area.
- Your device's internal antenna is pointing in the wrong direction.
- You are in or near a structure that is blocking the signal.
- You are near a device that is causing radio signal interference.
- A network or account problem is preventing you from obtaining service.

See also “Improving Signal Strength” on page 126.

Messages Displayed on the Device LCD

See also “SD Card Error” on page 38.

3G Activation Failed

1. Make sure you're in 3G coverage and the signal strength is strong.
2. Turn the device off and on. (See “Turning Your Device Off” on page 14 and “Turning Your Device On” on page 13.)

3. If the “Activation failed” message is still displayed, contact Sprint Customer Service and have the following available:
 - Your billing information.
 - ESN of the device (displayed on the packaging, inside the battery compartment, and at **Advanced settings > Device > About**).

Connecting to 3G/4G




1. Check the signal strength. If it is weak, try the tips in “Improving Signal Strength” on page 126.
2. Try a different Connection Preferences setting. (See “Mobile Broadband Information and Settings” on page 44.)
3. Turn the device off and on. (See “Turning Your Device Off” on page 14 and “Turning Your Device On” on page 13.)
4. Update the 3G profile: click **Advanced settings > WAN > Setup > Update 3G Profile**.
5. If you’re still unable to connect to 3G or 4G, contact Sprint.

Connection Error

1. Log in to the home page.
2. Click **Advanced settings** (🔑).
3. Click **WAN > Setup > Update 3G Profile**.
4. If an error message and number are displayed on the LCD after the update, note the information and contact Sprint.

Device Activation Required

If the LCD displays this message, display the 3G Activation Required alert and start the activation. To do this:

1. Make sure you’re logged in to the home page.
2. Click the alerts icon  to display the alert window.
3. If more than one alert is available, use the  and  buttons (at the top of the alert window) to browse to the alert.
4. In the 3G Activation Required alert window, click **Activate now**.

Tip: Alternatively, click **Advanced settings > WAN > Setup > Update 3G Profile**.

Searching for Network

The LCD displays this message until a 3G or 4G network is acquired.

If this message persists, see the tips in “Cannot Connect to the 3G or 4G Network” on page 135.

Update Failed

If this message appears on the device LCD or in the 3G Network Update Available or Software Update Available alert windows (after you've attempted the update):

1. Make sure your device is connected to the AC charger or computer through the micro-USB cable.

Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See "Making a Tethered Connection" on page 29.)

2. Retry the update.
3. If the "Update failed" message is still displayed, contact Sprint.

Cannot Connect to Wi-Fi

If your computer cannot connect to the Wi-Fi network of the Overdrive Pro 3G/4G Mobile Hotspot, make sure that:

- The maximum number of Wi-Fi users has not been reached. (To determine the number of connected Wi-Fi users and set the maximum, see "Wi-Fi Users Information and Settings" on page 47.)
- You're connecting to the correct Wi-Fi network (SSID), and you're using the correct Wi-Fi password. If the Wi-Fi Password Reminder feature is enabled (page 90), you can use it to display the SSID and Wi-Fi password on the device LCD.
- Nobody has changed the name or password of the Wi-Fi network. If the Wi-Fi Password Reminder feature is enabled (page 90), you can use it to display the SSID and Wi-Fi password on the device LCD.
- Nobody is connected through the micro-USB cable when **When connected to USB** is selected (for **Advanced settings > Wi-Fi > Network > Disable Wi-Fi**).
- **Always** is not selected (for **Advanced settings > Wi-Fi > Network > Disable Wi-Fi**).
- Your computer supports the type of Wi-Fi security that the network is set to use.

Note: All the devices used with the Overdrive Pro 3G/4G Mobile Hotspot must support the selected security type.

- Your computer supports Wi-Fi 802.11g (if **Basic Rate** is set, in **Advanced settings > Wi-Fi > Security**, to **802.11g only**).
- Your computer has not been blocked through MAC filtering. (See "Specifying Computers That Are Not Allowed to Access the Network" on page 92.)

Tip: If some settings are preventing you from connecting to Wi-Fi, connect to the device through the micro-USB cable, and then change the settings. (See "Requirements for a USB Tethered Connection" on page 28 and "Making a Tethered Connection" on page 29.)

Cannot Connect Through USB

If your computer cannot connect to the Overdrive Pro 3G/4G Mobile Hotspot through the micro-USB cable:

1. Make sure that you've installed the device driver, as described in “Making a Tethered Connection” on page 29.
2. Connect to the Overdrive Pro 3G/4G Mobile Hotspot through Wi-Fi.
3. Make sure that **USB Tethered Networking** is set, in **Advanced settings > Router > Basic**, to **Enable**.
4. Restart the device.

Cannot Display the Home Page

Your Web browser may display an error message when you try to display the home page. The error message depends on your Web browser.

- “Could not connect to remote server” (Opera)
- “Internet Explorer cannot display the webpage” (Internet Explorer)
- “Oops! This link appears to be broken” (Google Chrome)
- “Safari can’t open the page” (Safari)
- “The connection has timed out” (FireFox)

Check the following:

- The device is turned on. (See “Turning Your Device On” on page 13.)
- You have established a connection to the device (through Wi-Fi or through the micro-USB cable).
- Make sure you’re typing the correct address in the Web browser.
 - Try **http://<SSID>**, where <SSID> is as displayed on the device LCD.
 - If the home page is still not displayed, try **http://192.168.0.1** or, if you’re using custom routing settings, replace “192.168.0.1” with the appropriate IP address.
- The Web browser is a recent version, and Java-enabled. The following are recommended:
 - Internet Explorer (version 6.0 or higher)
 - Mozilla Firefox (version 2.0 or higher)
 - Google Chrome (version 2.0.172.28 or higher)
 - Apple Safari (version 2.0 or higher)
 - Opera version 9.64
- If your computer has other adapters (for example, Ethernet) connected to other networks, disable or remove them from your computer.
- If Internet security software is running on your computer, disable it and see whether the error message still occurs. Some firewall software may block access to the home page.


- If DHCP is enabled on the device, make sure DHCP is enabled on your computer. (See “DHCP” on page 103.)
- Check your Web browser settings.
 - Open the Control Panel in Windows.
 - Double-click **Internet Options**.
 - From the **Security** tab, restore the default settings.
 - From the **Connections** tab, select **Never dial a connection**.
 - From the **Advanced** tab, restore the default settings.
 - Close and reopen your Web browser.
- Disconnect the device from your computer (if you’re using the micro-USB cable). Remove the battery from the device. Reinsert the battery.

If, after checking all of the above, you still cannot display the home page, consider resetting the software to default settings. (See “Resetting the Software to Default Settings” on page 109.)

Cannot Connect to the 3G or 4G Network

- Make sure your computer is connected to the device (through the micro-USB cable or Wi-Fi). (See “How Do I Connect to Wi-Fi?” on page 120 or “Making a Tethered Connection” on page 29.)
- Make sure you’re in 3G or 4G coverage.
- Try the tips in “Improving Signal Strength” on page 126.
- Check the **WAN Mode** setting (**Advanced settings > WAN > Setup**). For example, if it’s set to **4G only**, you won’t be able to connect if:
 - You have 4G coverage, but you’re roaming.
 - You don’t have 4G coverage.
- If you’re roaming, make sure that 3G roaming is enabled. (In the 3G Roaming Information window, select **Allow 3G Roaming**.)

Note: Roaming charges may apply.

- If you’re roaming internationally, make sure that **Allow international access** is selected (on the 3G Roaming Information window).
- Check whether 4G is in power save mode – the LCD of the device displays “Power Save Mode. 4G Network not found.” If this is the case, press the power button  on the device or click the **Scan for 4G** button in the Signal Quality window.
- Check with Sprint – a network or account problem may be preventing your device from obtaining service.

The Device Seems to Have Stopped Charging

If the “About...” LCD information screen shows “chrg paused” or the text after the battery icon (on the home page) includes “Charging paused,” see “What Do I Do if the Home Page Displays “Charging paused”?” on page 122. (For more information on the LCD information screens, see page 17.)

Sprint Location Services Aren't Working or Don't Seem to Be Available

Make sure that GPS is enabled. (See “Enabling GPS” on page 59.)

For best results, minimize the number of obstructions between your device and the GPS satellites.

GPS Fix Not Available

Make sure you have a clear view of the sky; if you're in a forested area, or in or near tall buildings, move to another location.

To retry a fix, click **Retry Now**. Otherwise, click **Cancel**.

Cannot Check for Updates

Make sure your device is connected to the AC charger or computer through the micro-USB cable.

Note: If you'll be using USB for data transfer (and not just for charging the device), you must install the device driver. (See “Making a Tethered Connection” on page 29.)

Sounds Are Enabled, but the Device Doesn't Generate Any Sounds

Check that sounds are not turned off through the mute switch on the device. (See “Mute Switch” on page 17.)

Section 7

*Technical Specifications,
Safety Information, and
Regulatory Information*

Section 7A

Technical Specifications

- ◆ LED Operation (page 138)
- ◆ Radio Frequency and Electrical Specifications (page 138)
- ◆ Software Specifications (page 139)
- ◆ Environmental Specifications (page 140)
- ◆ Mechanical Specifications (page 140)

LED Operation

See “Using the Power Button to Determine the Device State” on page 14.

Radio Frequency and Electrical Specifications

Approvals	FCC
Battery	Size: 1800 mAh Duration for full charge: <ul style="list-style-type: none">● AC charger: 1.5 hours● PC USB cable: 3.6 hours Charge life: <ul style="list-style-type: none">● 4 hours under standard use● 3 hours of continuous use
Current	Maximum: 1000 mA Standby current: <ul style="list-style-type: none">● 48 mA (1xEV-DO/IS2000 hybrid mode)● 48 mA (WiMAX)
Transmit	PCS: 1850 to 1910 MHz Cellular: 824 to 849 MHz WiMAX: 2495 to 2690 MHz
Receive	PCS: 1930 to 1990 MHz Cellular: 869 to 894 MHz WiMAX: 2495 to 2690 MHz GPS: 1575.42 MHz

Software Specifications

CDMA (3G) specification	IS-2000 Release 0
Data service	IS-707A
WiMAX (4G) specification	IEEE 802.16e-2005
Wi-Fi specification	IEEE 802.11b IEEE 802.11g IEEE 802.11n
Wi-Fi security and encryption protocols	WEP Open & Shared WEP-64 WEP-128 WPA-Personal TKIP & AES (Pre-Shared Key or WPA-PSK) WPA2-Personal TKIP & AES (WPA2-PSK) WPA+WPA2-Personal (WPA+WPA2 PSK)
SMS (IS-637)	Not supported
FAX	Not supported
IOTA	Supported
OTASP (IS-683A, IS-683B, IS-683C)	Supported
OTAPA	Supported
PRL (Preferred Roaming List)	Supported
Authentication	Supported
Voice	Not supported
NAM	Single
Position Location	Standalone
TTY/Accessibility	Not supported
Mobile IP	Supported
Network protocols (routing hardware)	TCP, UDP, ARP, RARP, ICMP
VPN	Pass-through of the following VPN types: <ul style="list-style-type: none"> ● PPTP ● IPSec Tunneling of multiple VPN sessions simultaneously is supported.

Environmental Specifications

Operating temperature	-4 to +131°F
Storage temperature	-13 to +140°F
Humidity	90%, non-condensing
Vibration	10–1000 Hz, 6G, 60 min/axis, 3 hrs total (non-operating)
Drop	1 m (approx. 39") on concrete

Mechanical Specifications

Dimensions (W x L x H)	2.7" x 2.7" x 0.69"
Power button	Supported
Headset jack	Not supported
LED	White

Section 7B

Safety Information

- ◆ Important Notice (page 141)
- ◆ Safety and Hazards (page 141)

Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the Overdrive Pro 3G/4G Mobile Hotspot are used in a normal manner with a well-constructed network, the device should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the device, or for failure of the device to transmit or receive such data.

Safety and Hazards

Do not operate your device:

- In areas where blasting is in progress
- Where explosive atmospheres may be present
- Near medical equipment
- Near life support equipment, or any equipment that may be susceptible to any form of radio interference.

In such areas, your device **MUST BE POWERED OFF**. The device can transmit signals that could interfere with this equipment.

Do not operate the device in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, the device **MUST BE POWERED OFF**. When operating, the device can transmit signals that could interfere with various onboard systems.

Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. The device may be used at this time.

The driver or operator of any vehicle should not operate the device while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some jurisdictions, operating such communications devices while in control of a vehicle is an offense.

Proper Battery Use and Disposal

Note: Improper battery use may result in a fire, explosion, or other hazard.

To ensure safe and responsible battery use:

- Do not open, disassemble, puncture, crush, bend, or shred.
- Do not expose to water or other liquids, fire, explosion, or other hazards.
- Use the battery only in the Overdrive Pro 3G/4G Mobile Hotspot.
- If using with a charger, use only the AC charger supplied with the device.
- Do not short circuit the battery.
- When replacing a battery, use the same model of battery that was supplied with the device.
- Follow local regulations when disposing of a used battery.
- Avoid dropping the device or the battery. If dropped and you suspect damage, take it to a service center for inspection.

Section 7C

Regulatory Notices

The design of the Overdrive Pro 3G/4G Mobile Hotspot by Sierra Wireless complies with U.S. Federal Communications Commission (FCC) guidelines respecting safety levels of radio frequency (RF) exposure for mobile devices, which in turn are consistent with the following safety standards previously set by U.S. and international standards bodies:

- ANSI / IEEE C95.1-1999, *IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to 300 GHz*
- National Council on Radiation Protection and Measurements (NCRP) Report 86, 1986, *Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields*
- International Commission on Non-Ionising Radiation Protection (ICNIRP) 1998, *Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz)*

FCC ID: N7N-MHS802.

RF Exposure - The Overdrive Pro 3G/4G Mobile Hotspot has been tested for compliance with FCC RF exposure limits in a portable configuration. At least 1.0 cm of separation distance between the Overdrive Pro 3G/4G Mobile Hotspot by Sierra Wireless and the user's body must be maintained at all times. This device must not be used with any other antenna or transmitter that has not been approved to operate in conjunction with this device.

WARNING (EMI) - United States FCC Information - This equipment has been tested and found to comply with the limits for a Class B computing device peripheral, pursuant to Parts 15 and 27 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any changes or modifications not expressly approved by Sierra Wireless could void the user's authority to operate the equipment.

This device complies with Parts 15 and 27 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Section 7D

Legal

- ◆ Patents (page 145)
- ◆ Licenses (page 145)
- ◆ Trademarks (page 157)
- ◆ Copyright (page 158)
- ◆ Limitation of Liability (page 158)
- ◆ Additional Information and Updates (page 158)

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Version 2, June 1991

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lperf performance test

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