

Sprint 3G/4G Plug-in-Connect

USB

Web Browser Interface

User Guide



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Get Started

This section gives you all the information you need to set up your device and Sprint service the first time.

[Your Device at a Glance](#)

[Set Up Your Device](#)

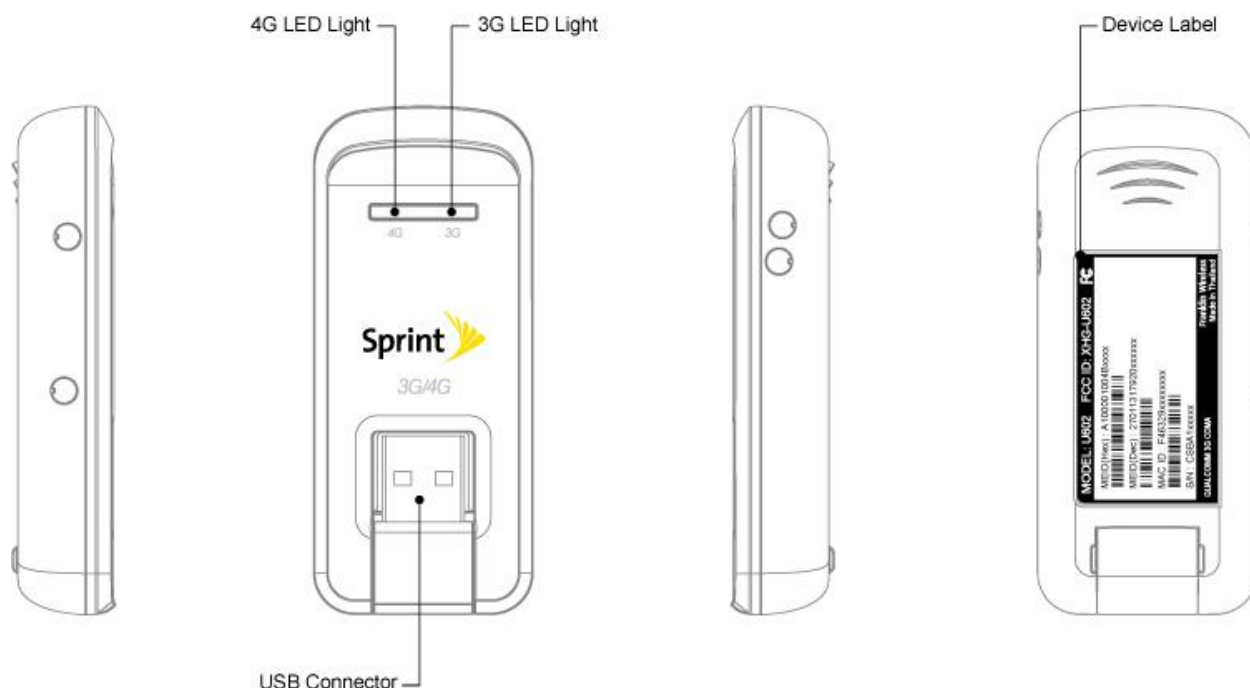
[Activate Your Device](#)

[Sprint Account Information and Help](#)

[Manage Your Account](#)

Your Device at a Glance

The following illustration outlines your device's primary external features.



Set Up Your Device

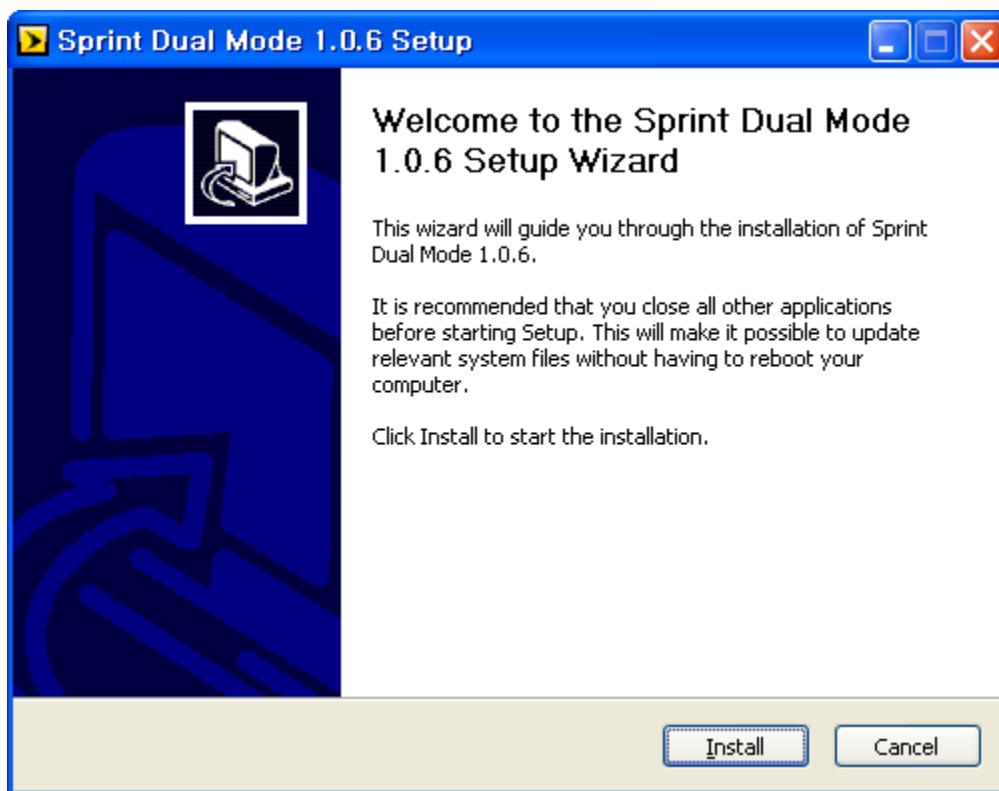
Note: The following section is for Windows XP users only. Mac, Linux, Windows Vista, and Windows 7 users can skip to the 'Activate Your Device' section.

To use the Sprint 3G/4G Plug-in-Connect USB on your computer, you will need to install the Remote NDIS driver included in the modem memory and configure the device. See the next section for more information on driver installation and device configuration.

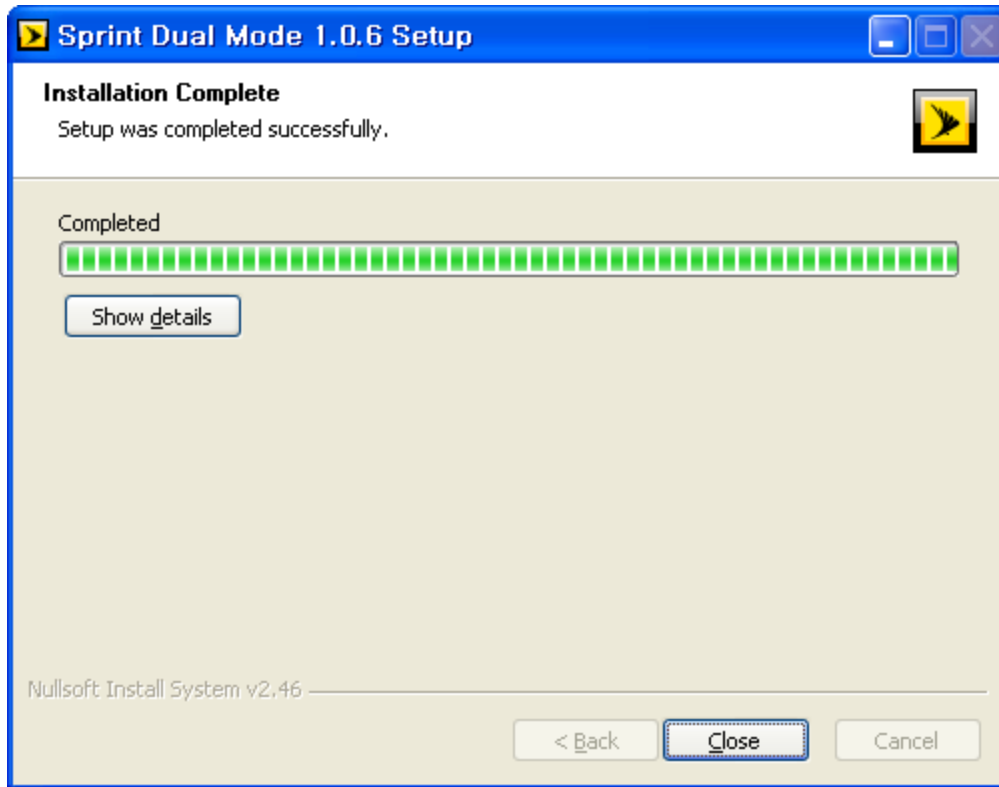
Note: If you have inserted the device properly, Windows will inform you that it has found new hardware. Wait until Windows completes the “Found New Hardware” task. It is normal to hear a short beep each time you insert or remove the device. It is an audible notification that your computer recognizes the new hardware.

Important: Make sure to complete the ejection process before removing the device. If you remove the device improperly, the modem may be damaged.

1. Turn on your computer and close all applications.
2. Insert the device into your USB port.
3. Your computer will recognize the device and install the Remote NDIS driver automatically. If the program does not launch automatically, go to “My Computer,” select ‘FranklinCD’ drive and double click the ‘dm-install.exe’ program.
4. The “Welcome to the Sprint Dual Mode 1.0.6 Setup Wizard” screen will then appear. Click **Install** to continue the installation process.



5. Installation of Remote NDIS driver is now complete. Click **Close** to leave the setup program.

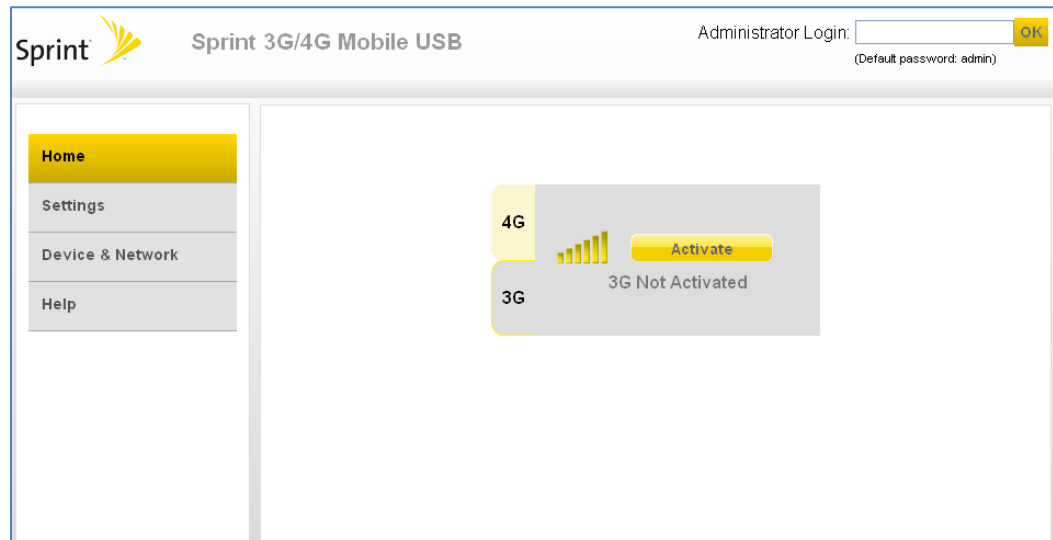


Activate Your Device

Follow the instructions below to activate your device if it has not already been activated. Depending on your account or how and where you purchased your device, it may be ready to use or you may need to activate it on your Sprint account.

- If you purchased your device at a Sprint Store, it is probably activated and ready to use.
- If you received your device in the mail and it is for a new Sprint account or a new line of service, it is designed to activate automatically.
 - When you plug the device into your computer for the first time, you should see a **Hands Free Activation** message on the top-left of the browser. This message may be followed by a **PRL Update** message and a **Firmware Update** message. Follow the instructions to continue.
- If you received your device in the mail and you are activating a new device for an existing number on your account (you're swapping devices), you can activate via your device's browser interface.
 - To activate on your device's browser interface:
 - Plug your new device into your computer. (Make sure the old one is not in the computer.) Your device will automatically attempt Hands-Free Activation.

- Click **Activate** to override auto-activation and start the manual activation wizard.



- To confirm activation, navigate to any Web page. If your device is still not activated or you do not have access to the Internet, contact Sprint Customer Service at **1-888-211-4727** for assistance.

Tip: Do not remove your device from your computer while the device is being activated. Removing the device from the computer cancels the activation process.

Note: If you are having any difficulty with activation, contact Sprint Customer Service by calling **1-888-211-4727** from any phone.

Sprint Account Information and Help

Learn about account passwords, managing your account, and finding help.

[Sprint Account Passwords](#)

[Manage Your Account](#)

Sprint Account Passwords

As a Sprint customer, you enjoy unlimited access to your personal account information and your data services account. To ensure that no one else has access to your information, you will need to create passwords to protect your privacy.

Account User Name and Password

If you are the account owner, you will create an account user name and password when you sign on to [sprint.com](#). (Click **Sign in/Sign up** and then click **Sign up now!** to get started.) If you are not the account owner (if someone else receives the bill for your Sprint service), you can get a sub-account password at [sprint.com](#).

Data Services Password

With your Sprint device, you may elect to set up an optional data services password to control access and authorize Premium Service purchases.

For more information, or to change your passwords, sign on to [sprint.com](https://www.sprint.com) or call Sprint Customer Service at **1-888-211-4727**.

Manage Your Account

Manage your Sprint account from your computer or any phone.

Online: [sprint.com](https://www.sprint.com)

- Access your account information.
- Check your data usage.
- View and pay your bill.
- Enroll in Sprint online billing and automatic payment.
- Purchase accessories.
- Shop for the latest Sprint phones and devices.
- View available Sprint service plans and options.

From Any Phone

- Sprint Customer Service: **1-888-211-4727**.
- Business Customer Service: **1-888-788-4727**.

Your Device's Browser Interface

This section contains information on your device's browser interface.

The Browser Interface

The Landing Page

The Browser Interface

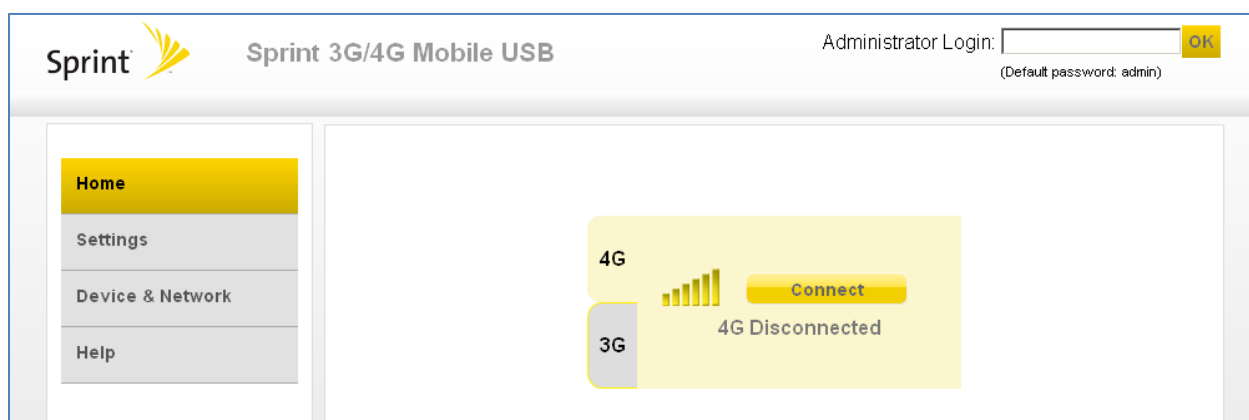
The Web browser interface is a Web-based connection manager for your device. It allows you to manage and monitor the Internet connection between your computer and the wireless network. It has a user-friendly interface and is equipped with many useful features that will enhance your Internet navigation experience.

Opening the Browser Interface

To use the Web browser interface, open the Web browser on your desktop and type <http://192.168.14.1> into the address window and press **Enter** or **Return**.

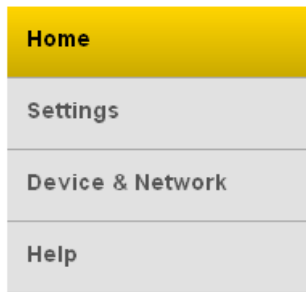
The Landing Page

The Web browser will open the main page for the Sprint 3G/4G Plug-in-Connect USB as shown below. From this page, you can see and manage available network connections, see your current connection state, and see signal strength at a glance. Detailed menus for status and settings are displayed on the left side of the menu.

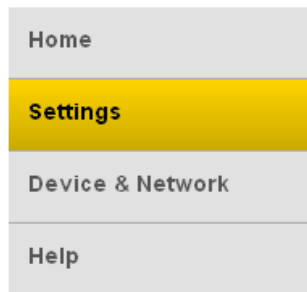
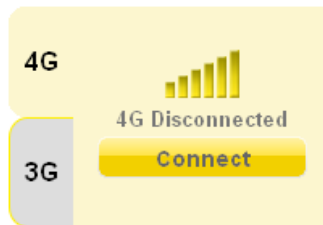


Main Menu

The main menu appears down the left side of the browser interface and allows for ease of Web browser interface navigation.



Unless the Home menu is selected, a small network connection box is displayed. This small box serves as the Home page for connection status at a glance.



Home Menu

The Home menu provides your current connection status.

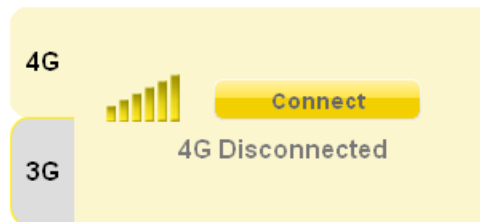
Connection Status

Device Status and Connection Button Descriptions

Connecting to a Network

Connection Status

Information regarding your current network connection can be seen in the Network Connection Box displayed in the center of the main page. This box displays both 3G and 4G tabs, and each tab has the following items:



- **Signal strength bar:** Displays your current signal strength. Supports 0-6 levels of signal strength.
- **Connection button:** Connects you to a network and lets you switch between a 3G and a 4G connection.
- **Status:** Displays the current status of your device.
- **Connection time:** Displays the time after your device is connected.

Device Status and Connection Button Descriptions

The following table provides device status and connection button descriptions.

Status	Connection Button	Description
"No Signal"	No Signal	Radio power is on but device is in low signal. All actions are disabled.
"Disconnected"	Connect	Radio power is on and device is disconnected. Ready to connect.
"Radio off"	Switch to 3G Switch to 4G	Radio power is off and ready to switch to other network.
"Connecting"	Cancel	Device is in connecting and available to cancel the connection.

"Connected"	Disconnect	Device is connected and available to disconnect the connection.
"Not Activated"	Not Activated	Device activation is required.

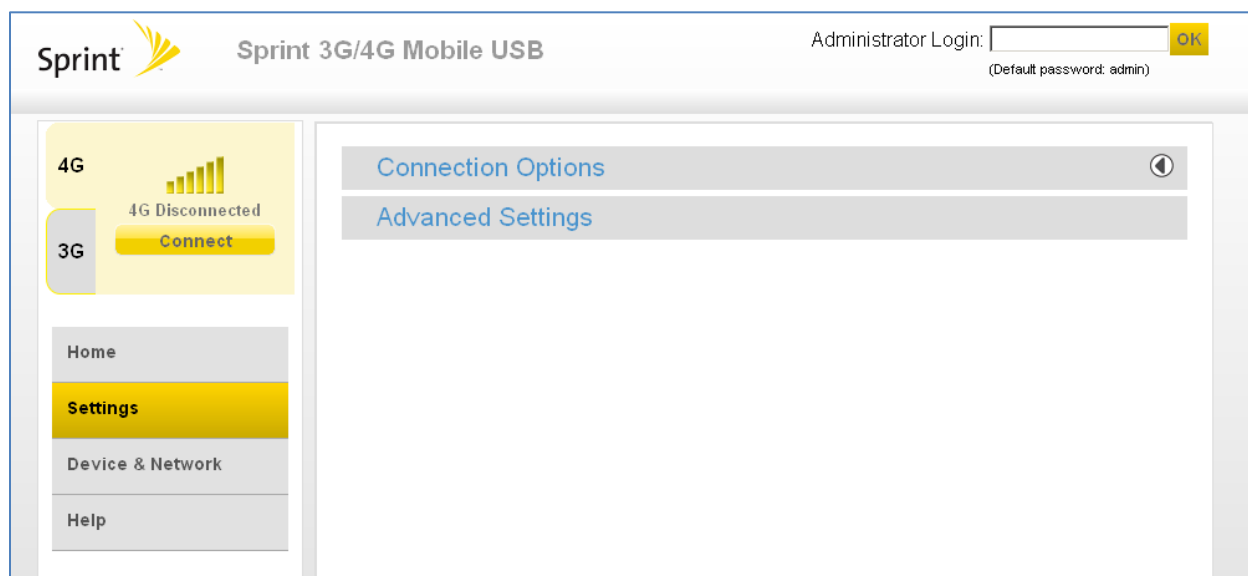
Connecting to a Network

Once your device is properly configured, connecting to the Internet is as simple as clicking **Connect**. Once connected, **Connect** will change to **Disconnect**. Simply click **Disconnect** to end your current connection. To connect to any other network shown, select it, and then click **Connect**.

The Settings Menu

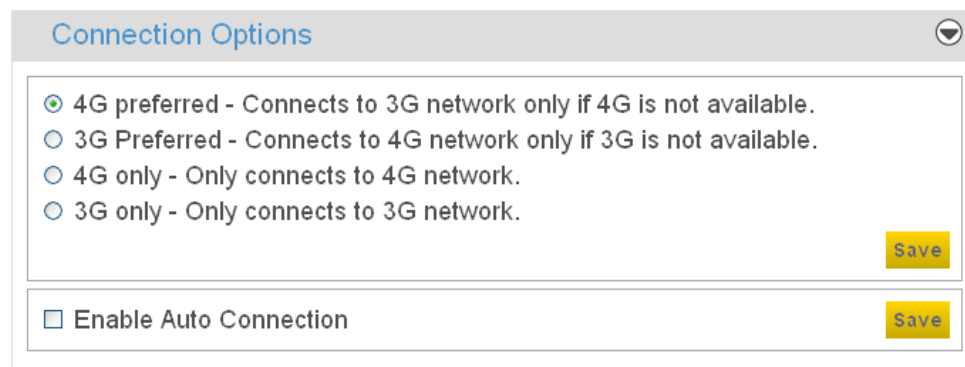
The Settings menu allows you to set your Connection Options.

Connection Options



Connection Options

When you open the Selection Options menu, the following choices are available:



Change Connection Options

1. Select a connection option.
2. Click **Save**.

Note: If the device is not activated, the options will be unavailable (grayed out).

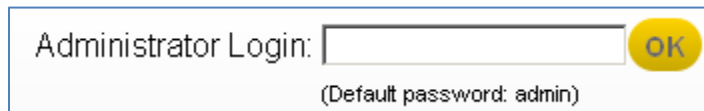
Enable or Disable Auto Connection

1. Select or clear the **Enable Auto Connection** check box.
2. Click **Save**.

Note: If you click **Connect**, **Enable Auto Connection** will be cleared automatically regardless of whether **Enable Auto Connection** was selected before rebooting the device.

Advanced Settings

If you want to enter the Advanced Settings, you will need to sign in.



Administrator Login:

(Default password: admin)

The default password is “admin.” You will be able to change your password in the Advanced Settings menu. Detailed information of Advanced Settings menu is described in the Advanced Settings Menu section.

The Advanced Settings Menu

The Advanced Settings menu allows you to set general settings, roaming configuration, manual configuration, and to update your device. It also allows you to access the engineering and equipment settings with additional security information.

[General Settings](#)

[Manual Configuration](#)

[Roaming Configuration](#)

[Updates](#)

General Settings

Selecting the General Settings tab displays the following options:

The screenshot shows a mobile application interface for 'General Settings'. At the top is a grey header with the title 'General Settings' and a dropdown arrow. Below the header are four distinct sections, each with a title and a 'Save' button:

- LED Control**: Contains a checkbox labeled 'Disable LED' and a yellow 'Save' button.
- GPS Access**: Contains a checkbox labeled 'Disable GPS - Remove all GPS access from the application.' and a yellow 'Save' button.
- NMEA**: Contains a checkbox labeled 'Enable NMEA' and a yellow 'Save' button.
- Advanced Settings Password**: Contains three text input fields labeled 'Original Password(Default is admin)', 'New Password', and 'Confirm New Password', followed by a yellow 'Save' button.

LED Control

LED Control allows you to turn the LED on or off.

To turn the LED on or off:

1. Select or clear the **Disable LED** check box.
2. Click **Save**.

Note: Refer to Appendix 1 for details about your device's LED lights.

GPS Access

GPS Access allows you to enable or disable GPS access.

To enable or disable the GPS access:

1. Select or clear the **Disable GPS – Remove all GPS access from the application** check box.
2. Click **Save**.

NMEA (National Marine Electronics Association)

NMEA allows you to enable or disable the NMEA.

To enable or disable the NMEA:

3. Select or clear the **Enable NMEA** check box.
4. Click **Save**.

Important: If the NMEA driver is not installed on your computer, NMEA will fail and the Driver CD will be detected. If you want to enable NMEA, please install the driver from Driver CD first. If the NMEA driver has already been installed, NMEA will be enabled in a short time. NMEA is not supported on Mac or Linux platforms.

Note: If you select the **Enable NMEA** check box, **Disable GPS** will be cleared even if it was selected.

Advanced Settings Password

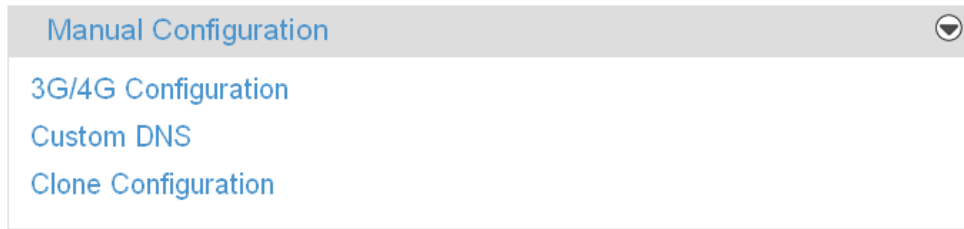
The Advanced Settings Password allows you to change the password.

To change your password:

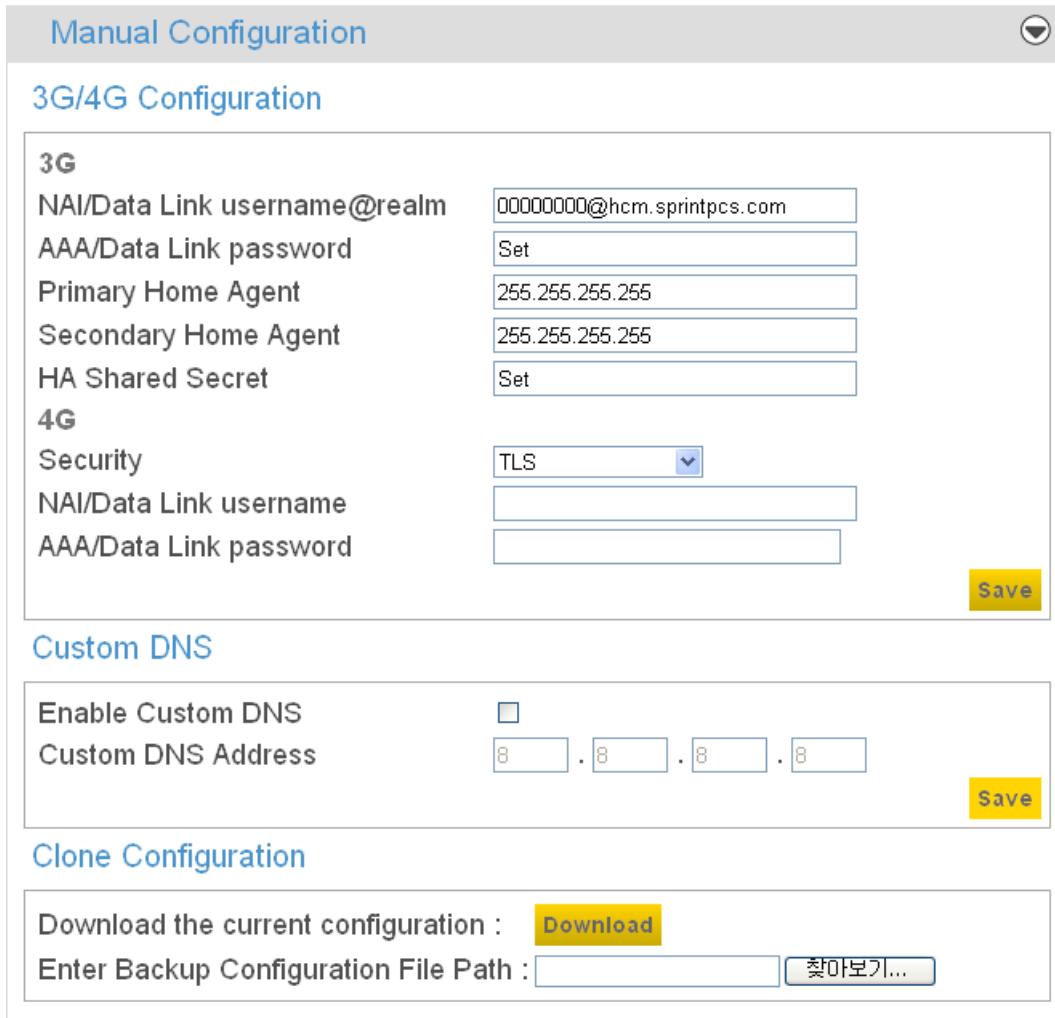
1. Enter the original password in the **Original Password** field.
2. Enter your new password in the **New Password** field.
3. Re-enter your new password in the **Confirm New Password** field.
4. Click **Save**.

Manual Configuration

Selecting the Manual Configuration tab displays the following options:



Manual Configuration consists of three submenus (**3G/4G Configuration**, **Custom DNS** and **Clone Configuration**). Selecting a submenu displays the following:



3G/4G Configuration

The **3G/4G Configuration** box allows you to modify the 3G/4G device configuration.

To modify the 3G/4G configuration:

1. Enter your NAI/Data Link username and domain as “username@realm” format.
2. Enter your Primary Home Agent IP address.

3. Enter your Secondary Home Agent IP address.
4. Enter your HA Shared Secret.
5. Select the Security Type in Security combo box.
6. Enter your NAI/Data Link username.
7. Enter your AAA/Data Link password.
8. Click **Save**

Custom DNS

Custom DNS allows you to use a customized DNS rather than the one assigned by your network.

To set the custom DNS:

1. Select **Enable Custom DNS**.
2. Enter your Custom DNS IP address.
3. Click **Save**.

Clone Configuration

Clone Configuration allows you to download the current system configuration or restore a previously downloaded system configuration.

Download current system configuration

To download the current system configuration:

1. Click **Download**.
2. Click **Save** after the file download dialog box is shown.
3. Select your folder.

Restore configuration

To restore a previously downloaded configuration:

1. Click **Browse**.
2. Select a backup configuration file previously downloaded.

Roaming Configuration

When you open the **Roaming Configuration** menu, it displays the following options:

Roaming Configuration

Roaming Mode

Sprint Only

Automatic

Enable International Roaming (additional changes will apply).

Roaming Guard

Always ask before roaming.

Never ask before roaming

Save

Change Roaming Configuration

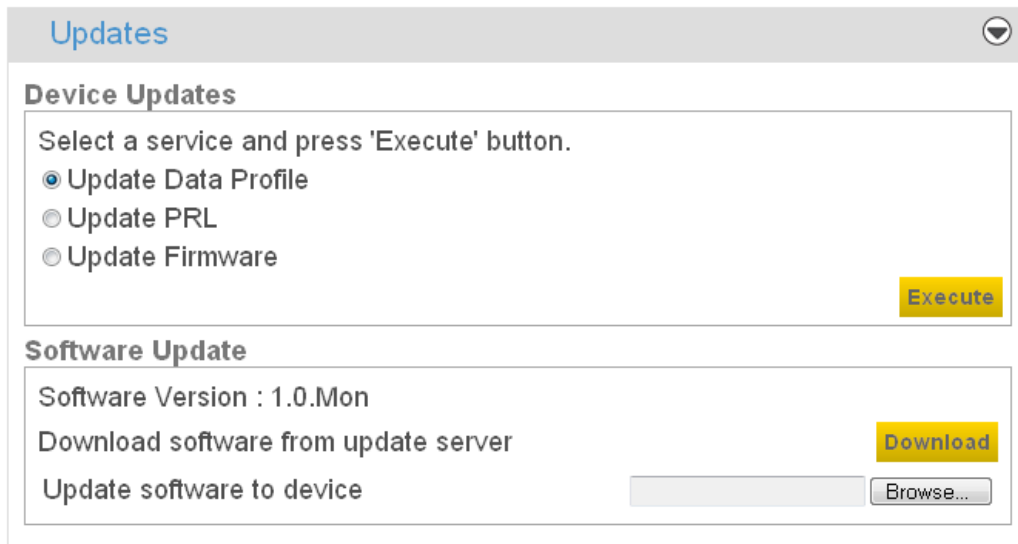
1. Select a roaming mode.
2. Select or clear the **Enable International Roaming** check box as needed.
3. Select **Roaming Guard**.
4. Click **Save**.

Important: After clicking **Save**, the device will reboot. **DO NOT** remove the device from your computer before the device finishes rebooting. If you remove the device improperly, the modem may be damaged.

Note: If you select **Sprint Only**, the device will search only for the Sprint network and no roaming networks will be used. (International Roaming and Roaming Guard options will be disabled and grayed out). If you select **Automatic**, the device will use any available network.

Updates

When you open the Updates menu, it displays the following options:



Device Update

The Device Update tab allows you to update your network profile, your PRL, software, and firmware.

To update:

1. Select the button for anything you wish to update.
2. Click **Execute**.

Important: After clicking **Execute**, the device will start the update. At the end of the update, the device will reboot. **DO NOT** remove the device from your computer before the device finishes rebooting. If you remove the device improperly, the modem may be damaged.

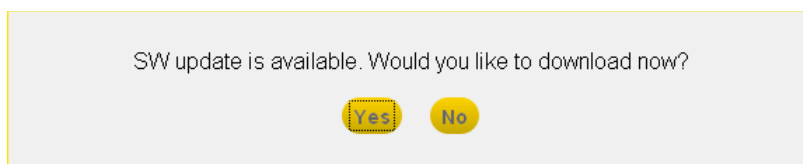
System Upgrade

The System Upgrade tab allows you to upgrade the Web browser interface.

Download the latest Web browser interface

To get the latest Web browser interface:

1. Click **Download**.
2. If a newer version is available, you will see the following dialog:



3. Click **Yes** and select a folder to save the Web browser update.

Upgrade Web browser interface

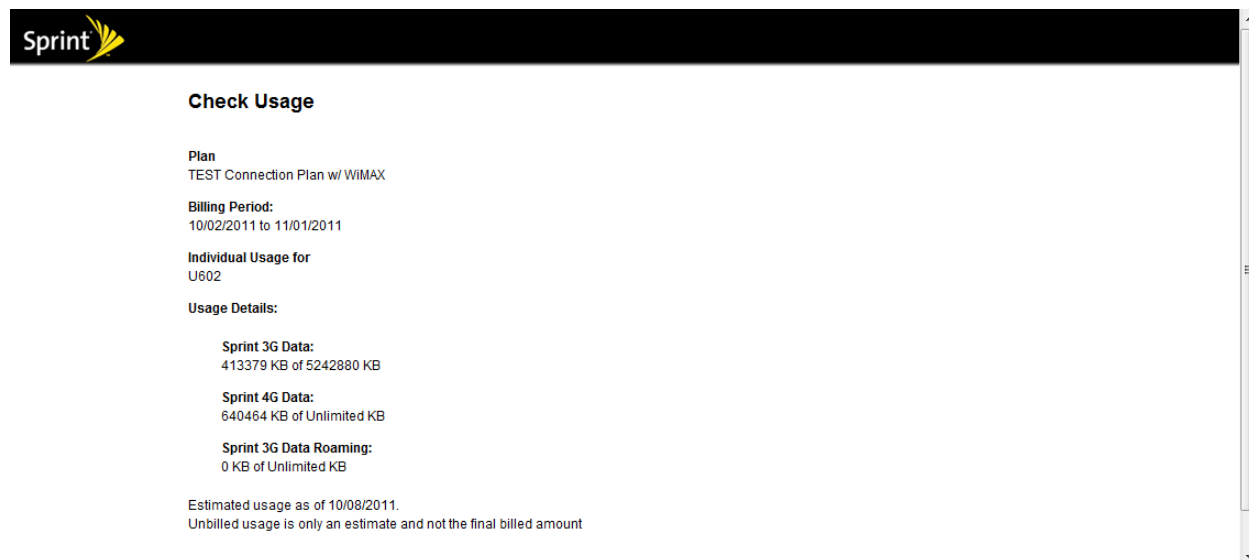
To upgrade:

1. Click **Choose file** for the Web browser update.
2. Click **Browse** and select system update file.
3. Click **Start Upgrade**.

Important: The system upgrade takes a few minutes. **DO NOT** unplug the device before the browser refreshes the page automatically or if the refresh dialog is still open.

The Check Usage Menu

The Check Usage menu allows you to review your usage history online. Please ensure that you have an Internet connection. Selecting the Check Usage menu displays your 3G and 4G data usage to date.



Sprint

Check Usage

Plan
TEST Connection Plan w/ WIMAX

Billing Period:
10/02/2011 to 11/01/2011

Individual Usage for
U602

Usage Details:

- Sprint 3G Data:**
413379 KB of 5242880 KB
- Sprint 4G Data:**
640464 KB of Unlimited KB
- Sprint 3G Data Roaming:**
0 KB of Unlimited KB

Estimated usage as of 10/08/2011.
Unbilled usage is only an estimate and not the final billed amount

The Device & Network Menu

The Device & Network menu allows you to view information about your device and network status.

[General Device and Network Information](#)

[3G Device and Network Information](#)

[4G Device and Network Information](#)



General Device and Network Information

The General Device and Network Information tab reflects the following information:

General Device and Network Information	
General Device	
Device Name	FWXU602USB
Device Description	Franklin U602 USB
Manufacturer	Franklin Wireless Corp.
Modem Model	U602
Hardware Version	P 3.0
CM Version	1.0.819
General Network	
IP Address	211.255.113.76
Gateway	192.168.54.146
DNS Server	203.236.43.5 211.234.229.23
Data Received	64
Data Sent	70
Data Total	134

General Device

- **Device Name** – name of the device
- **Device Description** – description of the device
- **Manufacturer** – manufacturer of the device
- **Modem Model** – model name of the device
- **Hardware Version** – current internal hardware version
- **CM Version** – current CM version

General Network

- **IP Address** – the current Internet Protocol address of the device
- **Gateway** – the current network point entrance address
- **DNS Server** – the current Domain Name Server system address
- **Data Received** – the number of bytes received
- **Data Sent** – the number of bytes sent
- **Data Total** – the total data received and sent

3G Device and Network Information

The 3G Device and Network Information tab reflects the following information:

3G Device and Network Information	
3G Device	
MEID	A1000010063A16
Technology	EVDO
Firmware Version	Q6085B-4390-NS-4.0.110.480
Modem Port	/dev/ttyUSB1
User Name(NAI)	A000000000000@hcm.sprintpcs.com
Phone Number(MDN)	1098765432
Home Carrier Name	Sprint
Home Carrier ID	0
PRL Version	10006
MSID(IMSI_S)	1098765432
3G realm	@hcm.sprintpcs.com
Workmode	2
3G Network	
Status	Disconnected
RSSI	-50 dBm
Ec/fo	-1.0 dB

3G Device

- **MEID** – unique number the network uses to identify your device
- **Technology** – type of network you are connected to
- **Firmware Version** – current internal software version
- **Modem Port** – name of the port to which the modem is connected
- **User Name** – assigned user name on your device
- **Phone Number (Mobile Data Number [MDN])** – the public ID for your specific wireless service
- **Home Carrier Name** – name of the network operator
- **Home Carrier ID** – ID of the network operator
- **PRL Version** – used to verify that your Preferred Roaming List is the most current
- **MSID** – internal ID Sprint uses to identify your account
- **3G Realm** – name of the domain
- **Work mode** – type of current work mode

3G Network

- **Status** – current network status
- **RSSI** – measurement in dBm of current signal strength
- **Ec/Io** – measurement in dB of current Ec/Io

4G Device and Network Information

The 4G Device and Network Information tab reflects the following information:

4G Device and Network Information	
4G Device	
Mac ID	F4-63-49-00-04-C0
Base Band Chip	MT7111
RF Chip Version	MTK
Firmware Version	E20110517-7643
4G realm	@sprintpcs.com
4G Network	
Status	Radio off
CINR	0
RSSI	0
Tx	0
BSID	00:00:00:00:00:00

4G Device

- **Mac ID** – current Media Access Control address
- **Base Band Chip** – chip name of the device
- **RF Chip Version** – the current internal RF chip version
- **Firmware Version** – current internal software version
- **4G Realm** – name of the 4G domain

4G Network

- **Status** – current network status
- **CINR** – Carrier to Interface and Noise Ratio measurement in dBm
- **RSSI** – measurement in dBm of current signal strength
- **Tx** – measurement of power transmitted in dBm

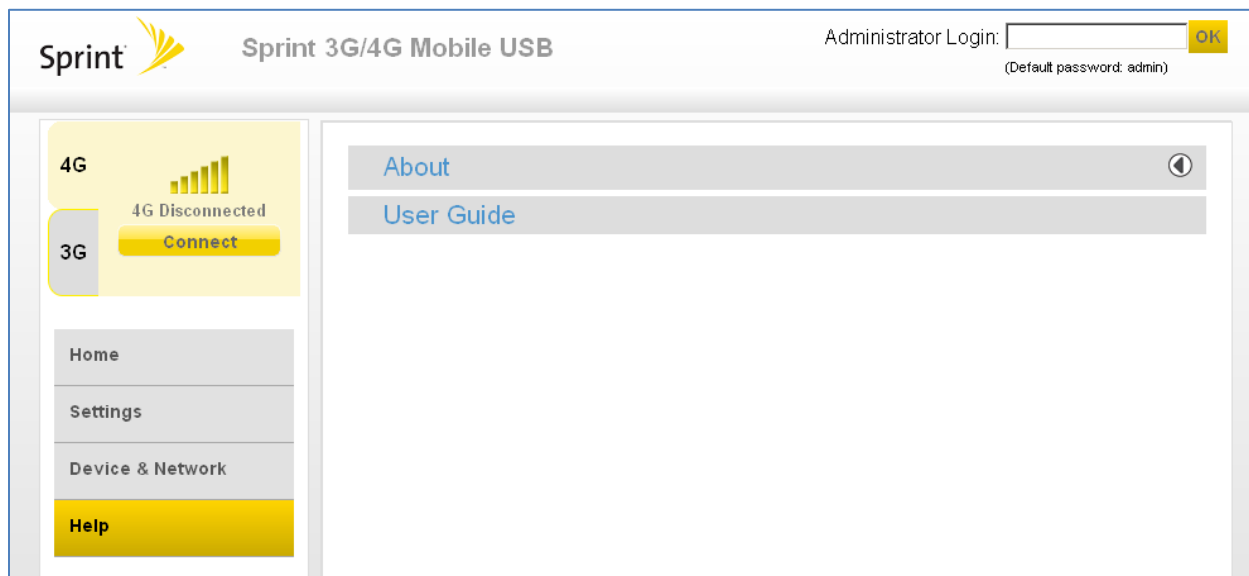
- **Realm** – name of the domain
- **BSID** – the number of biometrics secured identification devices available or connected

The Help Menu

The Help menu allows you to view system information and the online user guide.

[About](#)

[User Guide](#)



About

About displays the following device information:

- **System Name** – the current system name
- **CM Version** – the current Web browser interface version



User Guide


When you open **User Guide**, it downloads the user guide on the host system.



The screenshot shows a web browser window with a toolbar at the top containing icons for print, save, home, back, forward, and search. The address bar shows '1 / 46' and the zoom level is '69.9%'. The main content area displays the following text:

Sprint 3G/4G Plug-in-Connect USB Web Browser Interface

User Guide



On the left side of the browser window, there is a sidebar menu with the following items: Home, Settings, Device & Network, and Help (highlighted in yellow). Above the menu, there is a network status indicator showing '4G' with a signal strength bar and '4G Disconnected' with a 'Connect' button. Below that, there is a '3G' indicator.

Appendix 1: LED Operation

Your device has LED lights that indicate the following details.

LED Colors LED Status	3G LED Color (Right)		4G LED Color (Left)	
	Red	Green	Red	Blue
3G Mode	3G Enabled		4G Disabled Shutdown Mode	
3G in service and Stand by Ready to Connect	OFF	ON	—	—
Power ON Boot and Reset	ON	OFF	—	—
3G out of service or is still acquiring service	OFF	Flash every 1sec	—	—
3G CDMA No service	OFF	Flash every 1sec	—	—
3G Data Connected Active	OFF	Flash every 0.2sec	—	—
3G Data Connected Dormant	OFF	Flash every 3sec	—	—
4G Mode	3G Disabled Low Power Mode		4G Enabled	
4G in service and no activity Ready to connect 4G	—	—	OFF	OFF
4G out of service or is still acquiring service	—	—	ON	OFF
4G Error condition Firmware Web browser interface update	—	—	Flash	OFF
4G Data Connected Active	—	—	OFF	Flash by Data Speed
4G Data Connected No Data activity, Idle Mode	—	▶	OFF	OFF
4G Data Shout Down Mode For Power Saving	—	◀	OFF	OFF