

MiFi® 2



## User Guide



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Please visit [www.novatelwireless.com](http://www.novatelwireless.com) for the latest information about your device.

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# 1

## Getting Started

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[Components](#)  
[SIM Card and Battery Instructions](#)  
[Wi-Fi Setup](#)  
[Configure Security](#)  
[Data Usage](#)

# Device Overview

With the powerful, easy-to-use MiFi® 2 Intelligent Mobile Hotspot by Novatel Wireless you can connect up to 10 Wi-Fi enabled devices to fast 4G LTE™ Internet\* and use a brilliant interactive touchscreen to manage your connection. With this next generation intelligent mobile hotspot you can keep your tablets, laptops, gaming consoles, smartphones, e-Readers and other devices connected for up to 11 hours without recharging\*\*.

With a tap on the full color touchscreen you can check data usage, access connection details including Wi-Fi network name and password, view and block connected devices, enable MiFi Media Center and more. See battery level, network and signal strength at a glance. Connect with confidence—global MiFi 2 provides a secure, reliable connection when and where you need it, worldwide †.

## Package Contents

The MiFi 2 package includes:

- MiFi 2
- Rechargeable battery
- Charger
- USB cable
- Quick Start Guide

## System Requirements

To manage your MiFi 2, you need the following:

- A computer or computing device supporting Wi-Fi 802.11 b/g/n
- Internet browser software: i.e., Microsoft Internet Explorer 8.0 or higher, Firefox, Safari, Opera, Chrome, etc.

\*Contact your carrier for coverage and details.

\*\*Battery usage varies according to number of connected devices and level of activity.

† International roaming rates may apply. Contact your service provider for details.

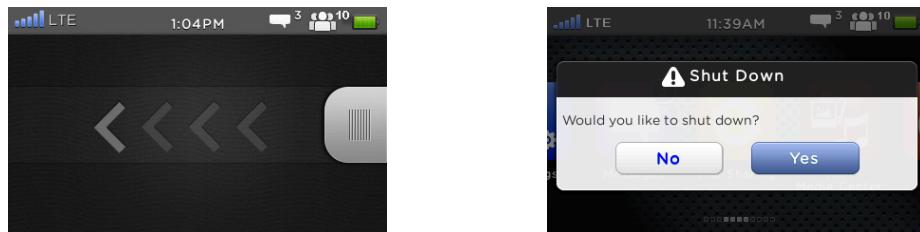
# Insert Battery and Power On

Lift the battery door to open the battery compartment. Insert the SIM card in the SIM card slot if it is not already installed, then insert the battery. Replace battery door to secure the battery in place.

- ① Press and release the power button. Your MiFi 2 is ready to use when the touchscreen displays the interactive icons.



- ② To lock the touchscreen, press and release the power button. To unlock, press and release the power button and slide the lock tab.
- ③ To power off the device, press and hold the power button for 3 seconds to display the Shut Down window, then tap **Yes**.



# Connect to Your MiFi 2

You can connect up to 10 compatible Wi-Fi enabled devices. To connect wireless devices (computers, tablets, e-readers, cameras, media players, smartphones, etc.):

- ① Open the Wi-Fi menu on the device you would like to connect and view the list of available networks.
- ② Select your MiFi 2 Wi-Fi Network Name (SSID) (e.g., MIIFI2-XXXX).
- ③ Select **Connect** and enter the Wi-Fi password displayed under **Connection Info** on the MiFi 2.
- ④ After you connect your computer to your MiFi 2 using Wi-Fi, you can access the MiFi 2 Web Interface to customize settings, change your password, access applications and more. Browse to (<http://my.mifi>), and log in using the default password: **admin**. (See [Log into the MiFi 2 Web Interface](#) on page 24.)
- ⑤ Configure security for your MiFi 2. (See [Configure Security](#) on page 26.)

# Components



- ① **Power Button** — Powers the MiFi 2 on and off.
- ② **Status Bar** — Displays current device status information, including signal strength, time, GPS, messages, connected devices and battery level.
- ③ **Touchscreen Icons** — Provides touchscreen access to the MiFi 2 applications.
- ④ **Micro USB Port** — The A/C charger and USB cable connect here.
- ⑤ **Screen Sleep Indicator** — Flashes blue when the device is in sleep mode.
- ⑥ **Touchscreen** — The interactive device display screen.
- ⑦ **Battery Door** — Remove to access battery and SIM card slot.
- ⑧ **SIM Card Slot** — Active SIM card must be installed for network access.
- ⑨ **Reset Button** — Resets the device to factory default settings.
- ⑩ **microSD™ Slot** — Removable memory storage slot supports microSD and microSDHC cards up to 32GB (card not included).



## Power Sources for Your MiFi 2

Your MiFi 2 will work from its battery or when plugged into a power source.

- **Battery** — The battery lasts up to 11 hours. Charge the battery by plugging in the A/C charger. While the battery is charging the charging battery status icon displays on the MiFi 2 touchscreen status bar. When the battery is fully charged, the message “Battery is fully charged, please disconnect power” displays on the touchscreen. When disconnected from power and fully charged, the battery status icon displays fully charged.
- **A/C wall charger** — Charge your device by plugging it into either the A/C charger connected to a wall socket or to your computer USB port using the cable.

# Service Status Icons

Status icons at the top of the MiFi 2 touchscreen and on the Status bar of the MiFi 2 Web Interface indicate the device status. The appearance of each icon varies according to the current device status.

Status Icon	Status	Description	
No icons	The display is off, and the LED is also off.	The device is powered off or not receiving power.	
Network signal strength status		Network signal strength icon displaying 0-5 bars.	More bars indicate a stronger signal.
Network connection status		Network connection icon.	Identifies the type of network the MiFi 2 is currently connected to.
Data transfer status		Active data transfer icon	The icon displays when data is being transferred to and/or from the MiFi 2.
GPS status		Active GPS icon.	The icon displays when GPS is turned ON and position information is available.
Message status		An unread message(s) icon.	The icon and number of messages displays when there are unread SMS messages.
Connected device status		Connected device(s) icon.	The icon and number of connected devices displays when there are devices connected to the MiFi 2.
Battery status		Battery level icon.	The icon fills to indicate the amount of remaining battery life.

# Touchscreen Icons

Display Icon	Description
No icons	The device is powered off or not receiving power.
Connection Info	 Displays the Wi-Fi Network Name and Wi-Fi Password for your MiFi device, Wi-Fi Security type, maximum number of connected devices, MiFi 2 Web Interface address and Password.
Connected Devices	 Displays details of devices currently connected to or blocked from your MiFi 2.
Data Usage	 Enables you to check your data plan summary, data used, remaining days in your billing cycle, and more.
Settings	 Allows you to access and configure your MiFi 2 device settings.
MiFi Media Center	 Provides access to movies, music and photos stored on your microSD card from connected devices.
Messages	 Connects you to text messages delivered to your MiFi 2, including notifications from your service provider.
File Sharing	 Allows you to upload and download files stored on your microSD card from compatible connected devices.
GPS	 Allows you to share location information with connected devices.
Wi-Fi Protected Setup	 Allows you to connect WPS-enabled devices to MiFi 2 without using a keyboard.
Customer Support	 Displays your wireless number and device model.
About	 Provides access to current status device information, and software updates.

# MiFi 2 Web Interface

The MiFi 2 Web Interface is part of your MiFi device where you can log in to customize settings, change your password, get information and access applications.



## MiFi 2 Web Interface Navigation

Each page contains a menu bar to help you navigate. The navigation panel is at the left of the browser interface on each page and contains the following:

- **MiFi Home** — takes you to the MiFi 2 Home page. (See [MiFi 2 Web Interface](#) on page 12.)
- **Connected Devices** — takes you to the Connected Devices page, where you can view devices currently connected to your MiFi 2 and see blocked devices. (See [Connected Devices](#) on page 31.)
- **Data Usage** — takes you to the Data Usage page, where you can view your current data usage and manage your account. (See [Data Usage](#) on page 35.)
- **Settings** — takes you to the Settings page, where you can customize your device, hotspot, mobile and advanced settings. (See [Settings](#) on page 37.)
- **MiFi Media Center** — takes you to the Media Center page, where you can view and share your movies, music and photos with connected devices. (See [MiFi Media Center](#) on page 69.)

- **Messages** — takes you to the Messages page, where you can view your unread messages sent to your MiFi 2. (See [Messages](#) on page 77.)
- **File Sharing** — takes you to the File Sharing page, where you can customize your file sharing settings, and view all files stored on a microSD card installed in the MiFi device. (See [File Sharing](#) on page 80.)
- **GPS** — takes you to the GPS page, where the GPS receiver on the MiFi device can determine your current location. (See [GPS](#) on page 85.)
- **Customer Support** — displays your wireless number and device model. (See [Customer Support](#) on page 91.)
- **About** — takes you to the About page, where you can get details regarding current status, device information, and software updates. (See [About](#) on page 93.)

# SIM Card and Battery Instructions

## Insert the SIM Card

To insert the SIM card:

- ① Place your MiFi 2 on a flat surface with the battery door facing up.



- ② Steady the MiFi 2 with one hand and place the thumb of your other hand on the battery door thumb notch.



- ③** Using normal thumb pressure on the thumb notch, lift the battery door up to remove the door completely.



- ④** Hold the card with two fingers and insert into the SIM card slot, being careful not to touch the gold contacts on the back of the card.



- ⑤** Push the top of the SIM card firmly until it clicks into place in the card slot.



# Insert and Charge the Battery

Insert and charge the MiFi 2 battery prior to use.

To insert the battery:

- ① With the battery door removed, insert the battery into the battery well, matching the gold contacts.



- ② Push firmly to snap the battery into place.



To charge the battery:

- ① Connect the A/C charger to the USB cable and plug into the MiFi 2's micro USB port. The charging battery status icon  displays on the MiFi 2 touchscreen status bar while the battery is charging.



- ② When the battery is fully charged, the message "Battery is fully charged, please disconnect power." displays on the touchscreen. Remove the USB cable from the MiFi 2's micro USB port. When disconnected from power and fully charged, the battery status icon displays fully charged .

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**IMPORTANT** The battery door cover on your MiFi 2 lifts off to open and snaps on to close. No tools are required to remove or install the battery or battery door. Using any type of tool could result in damage to the device and to the battery. If excessive force appears necessary to remove the door or the battery, please return the MiFi 2 to the vendor where you purchased the device.

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## Remove the Battery

**WARNING!** Never use tools, knives, keys, pens or any type of object to force the door open or to remove the battery. Using any of these types of objects could result in puncturing the MiFi 2 battery.

- ① Place your MiFi 2 on a flat surface with the battery door facing up.



- ② Steady the MiFi 2 with one hand and place the thumb of your other hand on the battery door thumb notch.



- ③ Using normal thumb pressure on the thumb notch, lift the battery door up to remove the door completely.



- 4** Use your forefinger to pull the battery up slightly so that it moves out of the battery well.



- 5** Lift the battery out of the battery well.



## Remove the SIM Card

To remove the SIM card:

- ① Open the battery compartment and remove the battery from the battery well to reveal the SIM card slot.



- ② To release the SIM card from the slot, push and release the top of the SIM card.



- ③ To remove the SIM card, hold the card with two fingers and pull gently, being careful not to touch the gold contacts on the back of the card.



## Battery Advisory

- As with any battery-operated mobile device being used for a certain amount of time, the MiFi 2 device can get warm to the touch. This is normal and within standard specifications, and poses no hazard.
- The MiFi 2 device is configured to automatically stop charging and disconnect the battery if the temperature rises above a set threshold. When the temperature falls below that threshold, the battery reconnects and the unit starts charging again.
- Always use Novatel Wireless original batteries and chargers.
- It normally takes at least four hours to fully charge the battery. If the device is in use the battery may take longer to charge.
- Do not use sharp objects to access the battery well; this may damage the device and the battery.
- Do not use excessive force to remove the battery or to access the battery well.
- Battery life depends on the network, signal strength, temperature, features, and accessories you use.
- New batteries or batteries stored for a long time may take more time to charge.
- When charging your battery, keep it near room temperature.
- When storing your battery, keep it uncharged in a cool, dark, dry place.
- Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F).
- Never leave the device in an unattended vehicle due to uncontrollable temperatures that may be outside the specified temperature for this device.
- Some batteries perform best after several full charge/discharge cycles.
- It is normal for batteries to gradually wear down and require longer charging times. If you notice a change in your battery life, it is probably time to purchase a new battery.
- Avoid placing the device on vibrating surfaces for long period of time (such as a washer or dryer).
- Avoid placing the device near 802.11-radiating devices such as microwave ovens and 2.4 GHz cordless telephones.
- Do not place the device in a closed space where there is no air circulation (e.g., do not wrap the device in a blanket or place it under a pillow).
- Whenever you remove or insert either the battery or the SIM card, ensure your MiFi 2 device is not connected to any device or power source.
- Never use tools, knives, keys, pens or any type of object to force the door open or to remove the battery. Using any of these types of objects could result in puncturing the MiFi 2 device battery.
- **Battery disposal:** Contact your local recycling center for proper battery disposal.
- **In the event of a battery leak:** Do not allow the liquid to come in contact with skin or eyes. If contact is made, wash the area with large amounts of water and seek medical advice.

# Wi-Fi Setup

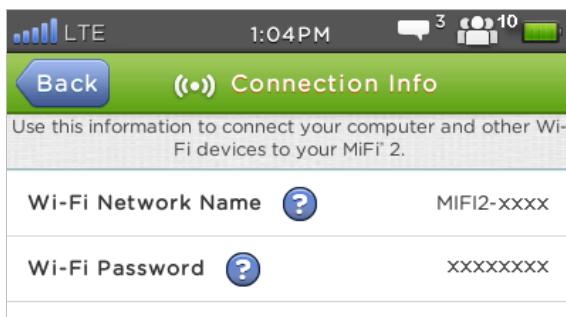
To properly set up your MiFi 2 device, you need to do both of the following tasks:

- Set up a Wi-Fi Connection
- Log into the MiFi Web Interface Home Page

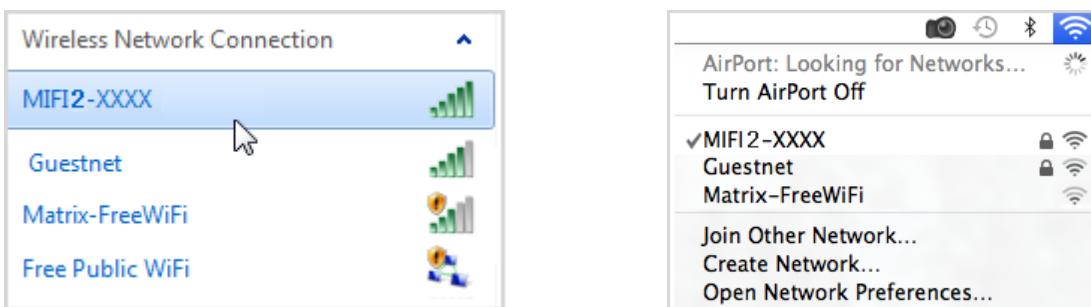
## Set Up a Wi-Fi Connection

To connect to your MiFi 2:

- ① Press the **Power** button.
- ② Tap the **Connection Info** icon  to display your device's Wi-Fi Network Name (SSID) and password.



- ③ Use your normal Wi-Fi manager on your computer to locate the MiFi 2 Wi-Fi Network Name (SSID) and select it.



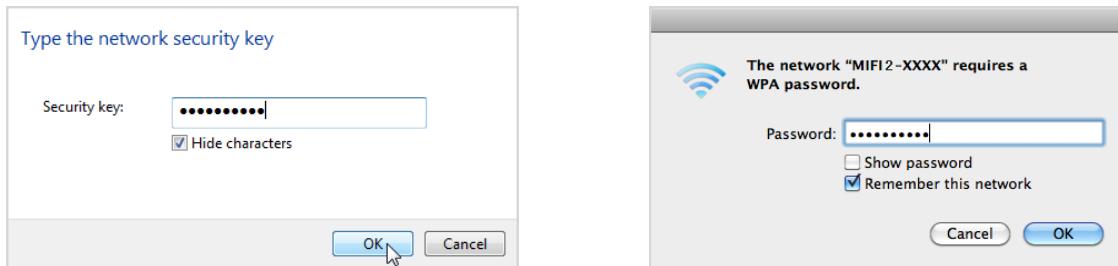
- ④ Windows: Click **Connect**.

Mac OS X: Click the MiFi device network name.



Windows only: The steps to connect to a Wi-Fi network vary depending on your operating system version and whether you use the native application or third-party software.

- 5** A window prompts you for the Wi-Fi password. Type the Wi-Fi password (found on the device) and click **OK**.



**NOTE**

The Wi-Fi password is found on the device and is case-sensitive. Be sure to type it in exactly as it is printed.

# Log into the MiFi 2 Web Interface

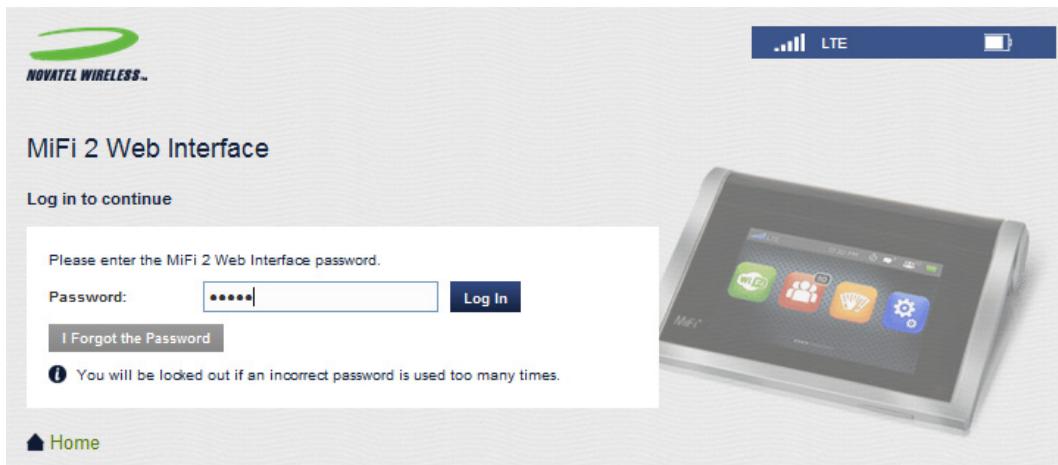
- From your computer's Web browser, type <http://my.mifi> (alternatively, <http://192.168.1.1>) without adding "www" in the address bar and press the **Enter** or **Return** key.

The MiFi Home page launches.



- Click **Login**.

- ③** Type the web interface password: **xxxxxxxx** (case sensitive) into the login field (the default is **admin**).



- ④** Click **Login**.

The **MiFi Home** page opens.

A screenshot of the MiFi 2 Home page. The top header features the Novatel Wireless logo and a "Log In" button. On the left is a vertical sidebar with icons for "MiFi Home", "Connected Devices" (with 10 devices connected), "Data Usage", "Settings", "MiFi Media Center", "Messages" (with 3 notifications), "File Sharing", "GPS", "Customer Support", and "About". The main content area has a large "MiFi® 2" logo and the text "by Novatel Wireless, Inc.". It includes a "Quick Links" section with links to "Customize Hotspot Settings", "Change MiFi 2 Web Interface Password", "Install Advanced Services", and "Access User Guide". To the right is a large image of the MiFi device. Below the sidebar are three cards: "Share Files" (easily share files on a microSD card with connected devices), "Play Media" (access and play music, videos and photos on multiple devices), and "Locate with GPS" (share GPS location information with connected devices). Each card has a "Learn More" button.

powered by **MiFi®**

# Configure Security

Although your device is pre-configured to have security enabled, you should change the password to a password you can easily remember and that is hard for others to guess.

Using security with your wireless network is very important. It is recommended that you configure security immediately by changing the following:

- **Change the Web Interface Password**
- **Change the Wi-Fi Password**

## Change the Web Interface

- ① Open your browser, go to <http://my.mifi>, and then click **Login**. (See [Log into the MiFi 2 Web Interface](#) on page 24).
- ② Enter the device password and then click **Login**.
- ③ Click **Change MiFi 2 Web Interface Password** in the MiFi Quick Links panel.



The **Settings > Device Settings > Web Interface Password** page opens.

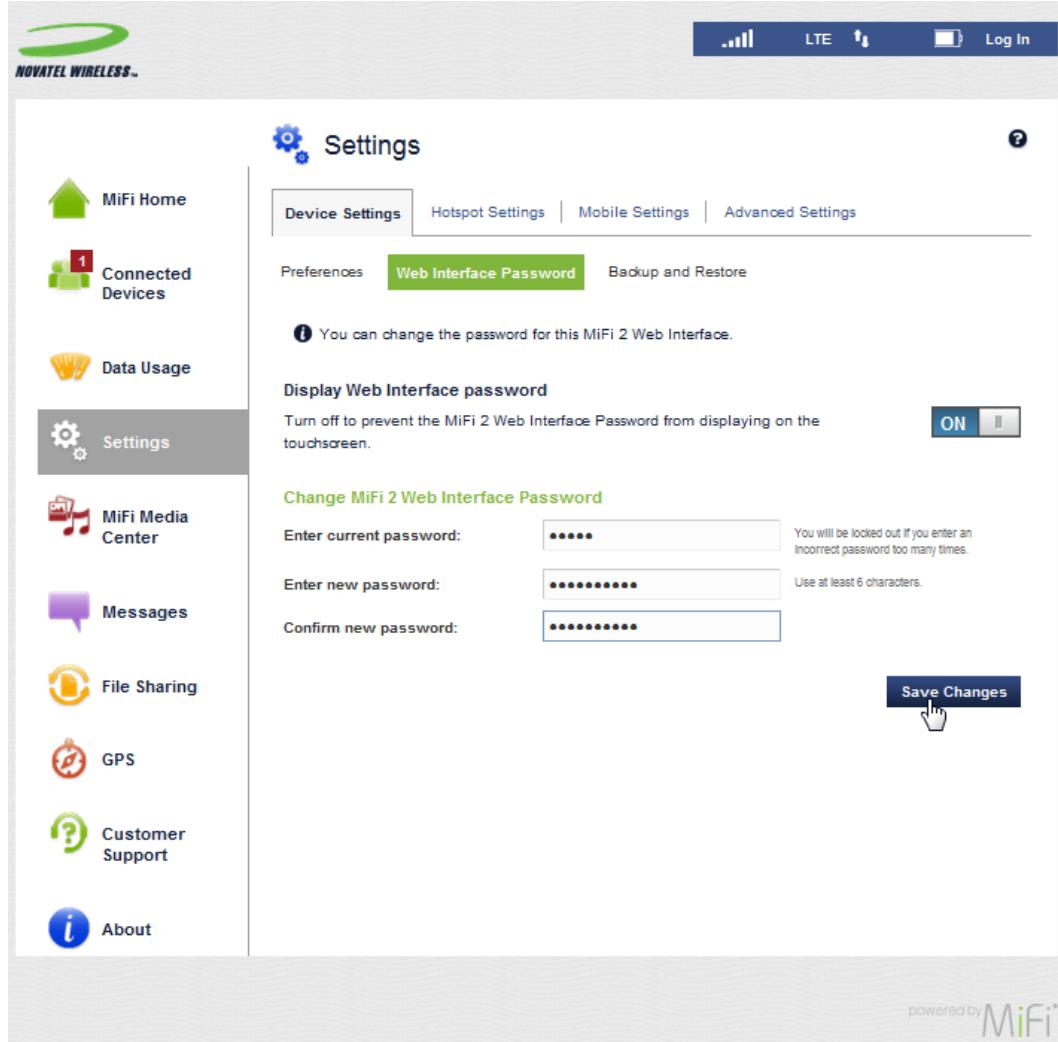
- ④ Type your current Web Interface password into the **Enter Current password** field.

**NOTE**

There are two types of passwords:

- The Web Interface password to access the MiFi 2 Web Interface to configure settings.
- The Wi-Fi password (also called the Wi-Fi key or network security key) that you need to connect your MiFi 2 to your computing device(s).

- ⑤ Select a new Web Interface password and type it into the **Enter new password** and **Confirm new password** fields.
- ⑥ Click **Save Changes**.



This is the new Web Interface Password you use when you log into the browser interface.

**NOTE**

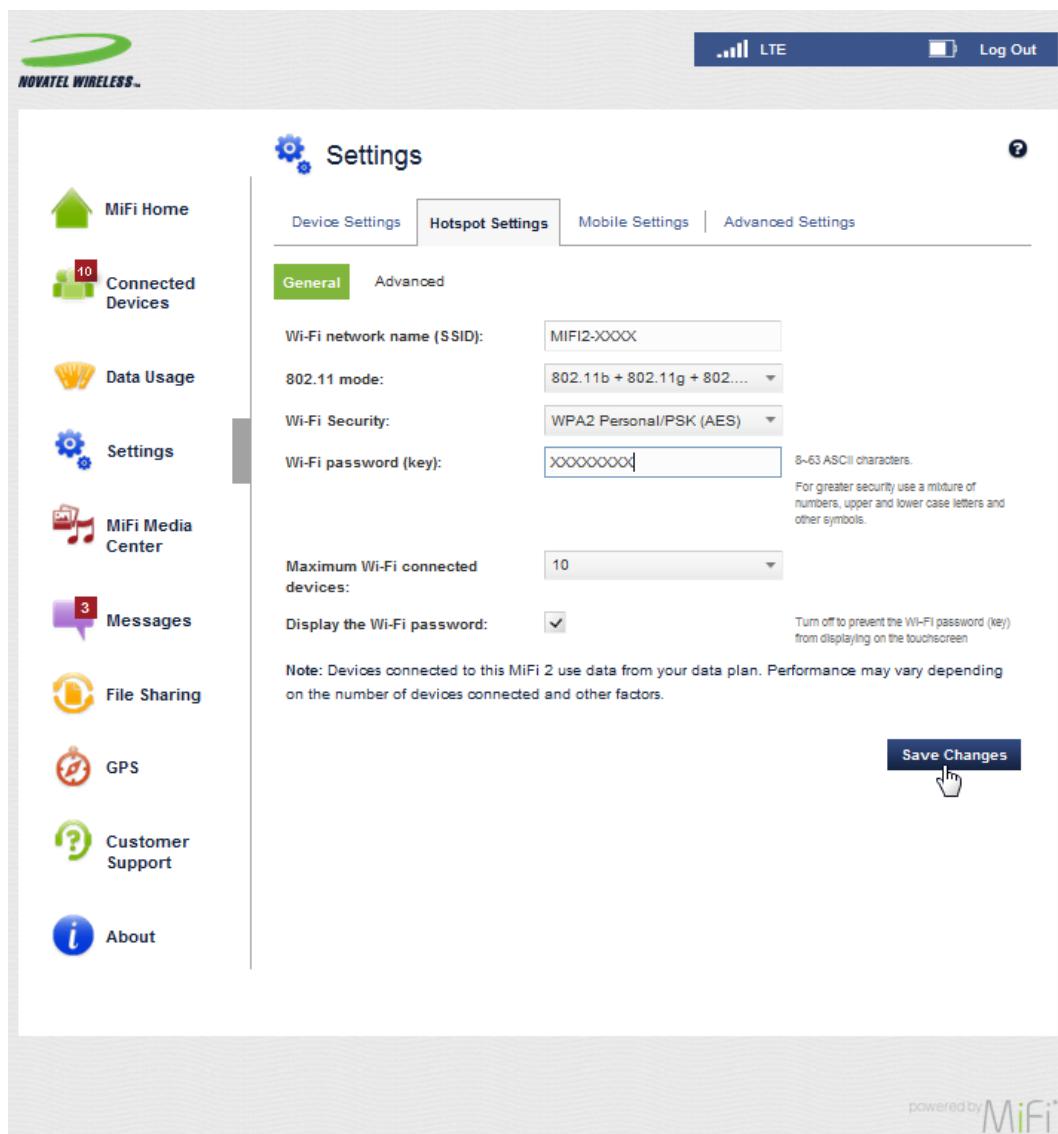
You can find your current Web Interface password by tapping **Connection Info** on the MiFi 2 touchscreen.

# Change the Wi-Fi Password

You can use WEP (64- or 128-bit), WPA-PSK, WPA2-PSK, or WPA/WPA2 mixed mode security.

**IMPORTANT** Record your Wi-Fi password (also referred to as the Wi-Fi key or network security key depending on your operating system).

- 1 Open your browser, go to <http://my.mifi>, then click **Login**.
- 2 Enter the Web Interface password and then click **Login**.
- 3 Click **Settings** on the Navigation panel and then select **Hotspot Settings**. The **Hotspot Settings > General** window opens.
- 4 Enter your new Wi-Fi password in the Wi-Fi Password (Key) field. The password must be 8-63 ASCII characters.
- 5 Click **Save Changes**. A confirmation message will display in the green bar near the top of the page when the changes have been successfully saved. You will need to reconnect all Wi-Fi devices using the new Wi-Fi password.



# 2

## Accessing MiFi 2 Features

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[MiFi 2 Web Interface](#)  
[Connected Devices](#)  
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[Settings](#)  
[MiFi Media Center](#)  
[Messages](#)  
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# MiFi 2 Web Interface

## MiFi 2 Web Interface Home Page

The MiFi 2 Web Interface Home page is the first page you see when you connect to your MiFi 2. This is where you click **Login** to go to the MiFi 2 Login page and enter your 8-digit password to log in and customize your device and access advanced features and settings.

The MiFi 2 Web Interface allows you to check data usage and available data storage, view details for connected devices, enable file sharing, GPS, and the MiFi Media Center, read messages, and change the MiFi settings.



# Connected Devices

The Connected Devices application allows you to view devices currently connected or blocked from connection to your MiFi 2. You can also block and unblock devices from this screen.

The Connected Devices page contains the following.

- **Connected Devices** — a list of compatible devices currently connected to your MiFi 2.
- **Blocked Devices** — a list of compatible devices currently blocked from connecting to your MiFi 2.

## On the MiFi 2 Touchscreen

- ① Tap the **Connected Devices** icon  to display the Connected Devices page.



- ② Tap the connected device name to display detailed information about the device, including the device type, time connected, and Mac and IP address. Tap **Block** at the top right side of the screen to add the device to the Blocked Devices list.

Device Type	?	Generic
Time Connected	01/28/2013 1:02 PM	
MAC Address	xx:xx:xx:xx:xx:xx	
IP Address	xxx.xxx.x.x	

Device Type	?	Generic
Time Connected	01/28/2013 1:02 PM	
MAC Address	xx:xx:xx:xx:xx:xx	
IP Address	xxx.xxx.x.x	

- ③ Tap **Unblock** at the top right side of the page to remove a device from the Blocked Devices list.

- ④ Go to <http://my.mifi/connecteddevices> to manage your connected devices.

The screenshot shows the 'Connected Devices' page of the Novatel Wireless MiFi 2 web interface. At the top, there's a header with the Novatel logo, signal strength, LTE indicator, battery level, and a 'Log In' button. On the left is a sidebar with icons and labels: 'MiFi Home', 'Connected Devices' (which is selected, showing a count of 10), 'Data Usage', 'Settings', 'MiFi Media Center', 'Messages', 'File Sharing', 'GPS', 'Customer Support', and 'About'. The main content area has a title 'Connected Devices' with a subtitle 'View devices currently connected to your MiFi 2. Blocked devices are also displayed.' It shows 10 connected devices, each with an edit icon, a 'Block' button, and a MAC address. Below this is a section for 'Blocked Devices' with one entry for 'Device\_10'. At the bottom right, it says 'powered by MiFi®'.

Connected Devices		
		10 of 10
Device_1	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_2	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_3	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_4	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_5	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_6	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_7	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_8	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
Device_9	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	
<hr/>		
Blocked Devices		
Device_10	IPv4: xxx.xxx.x.x   MAC address:xx:xx:xx:xx:xx:xx	

## On the MiFi 2 Web Interface

To access the Connected Devices page and display a list of compatible connected and blocked devices, click **Connected Devices** on the Navigation panel. The Connected Devices page contains the following:

- **Connected Devices** — a list of compatible devices currently connected to your MiFi 2.
- **Blocked Devices** — a list of compatible devices currently blocked from connecting to your MiFi 2.



- ① Click the pencil icon to assign a name to a connected device.
- ② Enter the desired name into the name field, then select the type of device from the device type drop-down menu.

The screenshot shows the 'Connected Devices' interface. At the top, there's a green icon of three people and the text 'Connected Devices'. Below it is a status message: 'View devices currently connected to your MiFi 2. Blocked devices are also displayed.' A dropdown menu titled 'Connected Devices' is open, showing options like 'Other', 'Laptop', 'Desktop', 'Tablet', 'Mobile Phone', 'Camera', 'Game System', 'Home Entertainment', and 'Other'. The 'Laptop' option is selected and highlighted with a blue background. To the right of the dropdown is a search bar containing 'Device\_1' with a checkmark icon next to it. In the top right corner, there's a question mark icon.

- ③ Click the check mark to finalize the changes.

This screenshot shows the same 'Connected Devices' interface as the previous one, but with a different configuration. The dropdown menu now shows 'Laptop' as the selected device type. The search bar still contains 'Device\_1'. In the bottom right corner of the search bar area, there is a 'Finish' button with a checkmark icon over it, indicating the changes have been saved.

- ④ Click **Block** to add a connected device to the Blocked Device list.

The screenshot displays the 'Connected Devices' screen again. It lists two devices: 'Device\_1' and 'Device\_2'. Each device entry includes its IP address (IPv4) and MAC address. To the right of each entry are two buttons: a pencil icon for editing and a 'Block' button. The 'Block' button for 'Device\_1' has a hand cursor icon hovering over it, while the 'Block' button for 'Device\_2' is already highlighted with a grey background and a hand cursor icon.

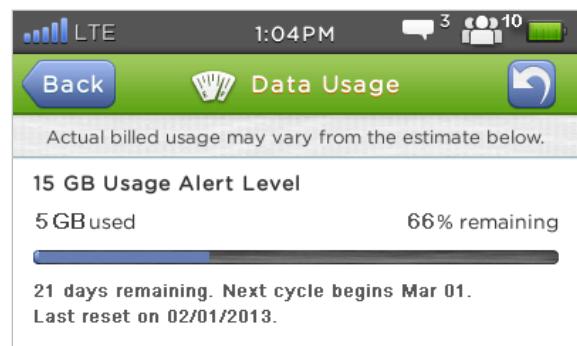
- ⑤ Click **Unblock** to remove a device from the Blocked Devices list.

# Data Usage

You can quickly and easily check your data usage directly on the MiFi 2 touchscreen, or on the MiFi 2 Web Interface.

## On the MiFi 2 Touchscreen

- ① To display your data plan summary, data used, and days remaining in your billing cycle, tap the **Data Usage**  icon on the touchscreen.
- ② To update the data plan summary, click **Refresh**.



## On the MiFi 2 Web Interface

To access the Data Usage page, click Data Usage on the Navigation panel. The Data Usage page contains the following.

- **Alert Level** — alerts will be generated to warn you that data usage is approaching or has reached the alert level specified on this page.
- **Reset Data Counter** — use to restart the data counter and set the last reset date to today's date.
- **Settings** — use to select your desired usage alert level and cycle start date.

Your estimated data usage is displayed below.

**15 GB Alert Level**

5 GB of 15 GB used      66 % remaining

21 days remaining. Next cycle begins on Mar 01  
Last reset on 02/01/2013

**Reset Data Counter**

**Settings**

Usage alert level: **15 GB** If the desired level is not listed, select 'None'.

Cycle start date: **1** Data counter resets on this day of the month.

Note: Actual billed data usage may be higher than the estimated usage displayed above.

**Save Changes**

- ① To display your estimated data usage, reset your data counter, and manage your settings, select the **Data Usage** tab on the Navigation panel on the MiFi 2 Web Interface Home page.
- ② Click **Reset Data Counter** to restart the data counter, and to set the last reset date to today's date.
- ③ To set your data usage alert level, select the desired option from the Usage alert level drop-down menu. If the desired option is not available, select **None**, and data usage will be recorded and displayed, but no alerts will be generated.
- ④ To set the day of the month you wish the data counter to reset to zero, select the desired day from the cycle start date drop-down menu.
- ⑤ Click **Save Changes**.

**NOTE**

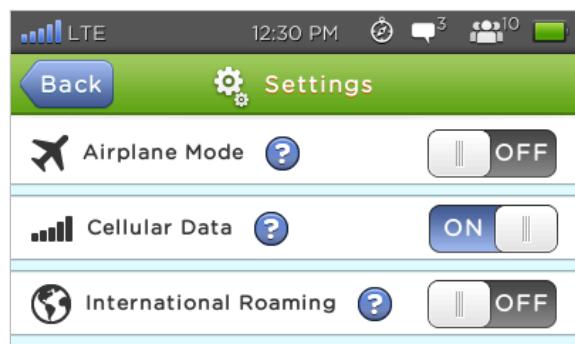
Actual billed usage can be higher than estimated data usage displayed on the usage meter.

# Settings

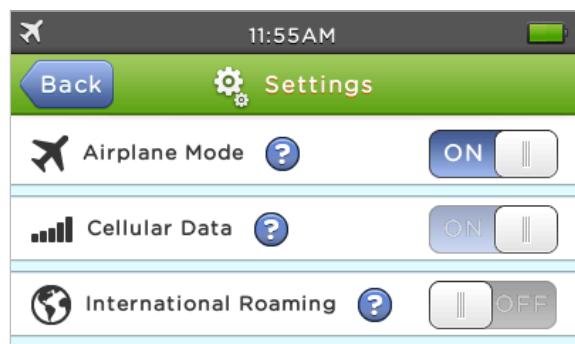
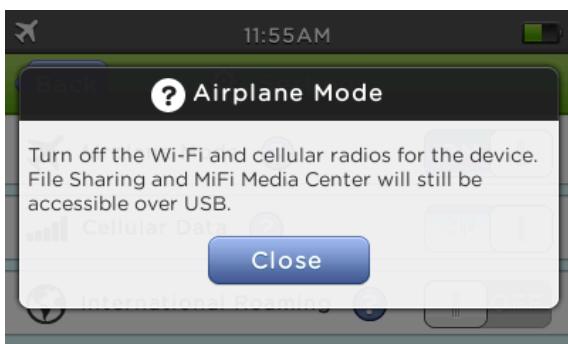
The Settings page allows you to configure and customize your MiFi2. You can enable/disable Airplane Mode, Cellular Data access, and International Roaming; configure Screen Timeout and Brightness settings; set Sound Alerts and device Wi-Fi Range; configure USB Mode and select from available language options.

## On the MiFi 2 Touchscreen

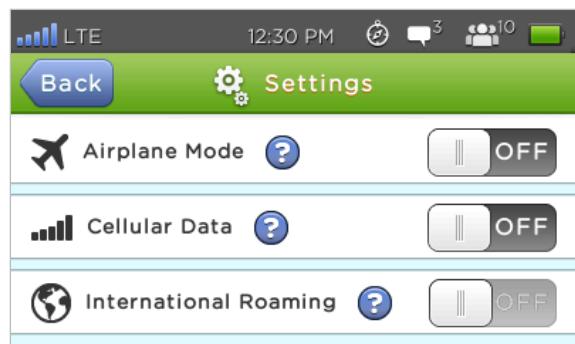
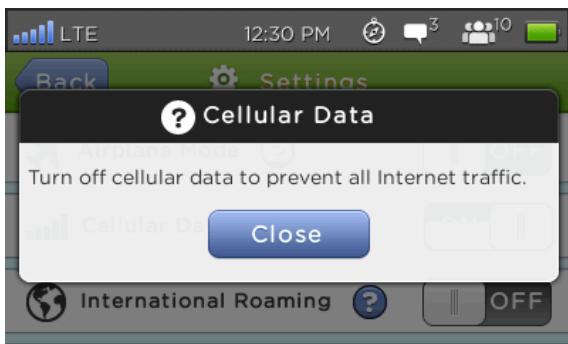
- 1 Tap the **Settings** icon  to display the Settings page.



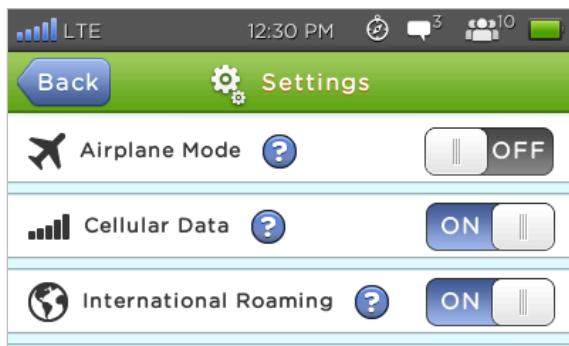
- 2 To enable **Airplane Mode**, slide the Airplane Mode ON/OFF button to **ON**. Wi-Fi and cellular radios will be turned off, and File Sharing and MiFi Media Center will still be accessible over USB. An airplane icon will display in the upper left corner of the touchscreen to indicate the device is in Airplane Mode, and the ON/OFF buttons will fade for unavailable options.



- 3 To disable all Internet traffic, slide the **Cellular Data** ON/OFF button to **OFF**.

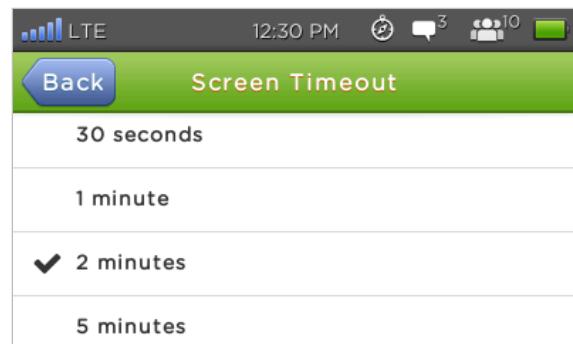
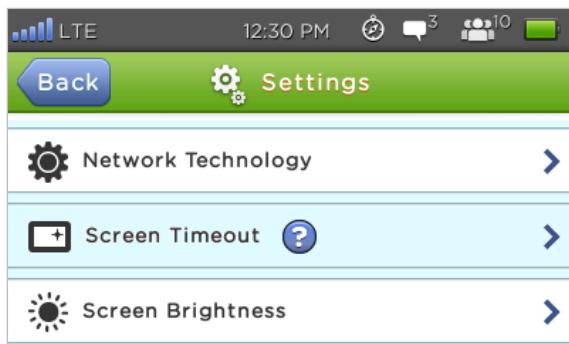


- 4** To enable **International Roaming**, slide the International Roaming button to **ON**, then click **Yes** to accept data roaming charges that will apply to data usage outside the U.S., Puerto Rico and the U.S. Virgin Islands.

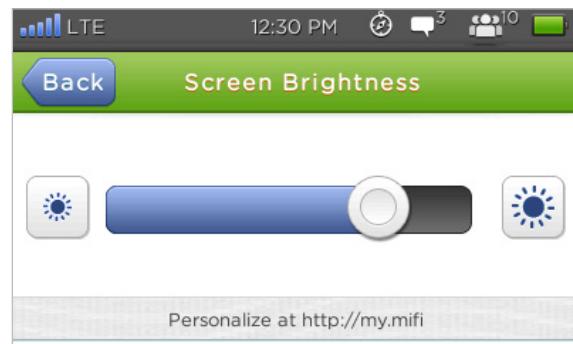
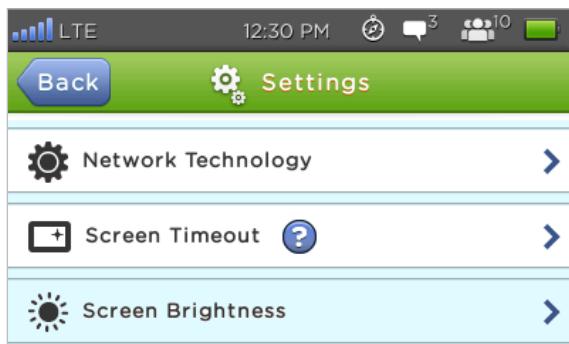


- 5** To configure the amount of time the touchscreen displays after a period of inactivity, tap **Screen Timeout**. Scroll to select a timeout interval from 30 seconds to 5 minutes, or never to disable Screen Timeout. If Screen Timeout is set to never, Automatic Shutdown is disabled.

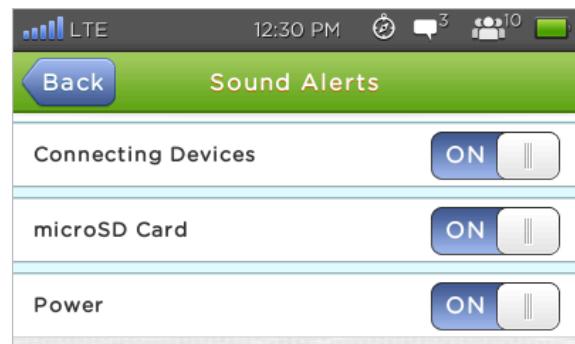
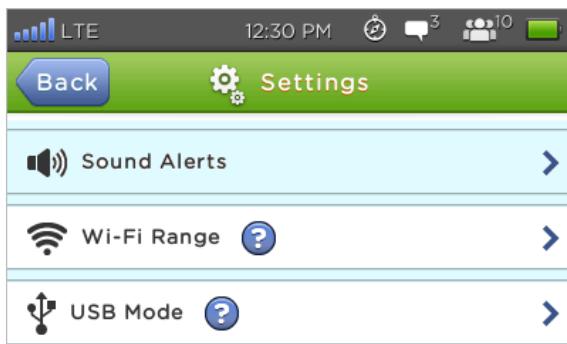
**NOTE** The screen sleep indicator on the front of the MiFi 2 touchscreen will flash blue when the device is in sleep mode.



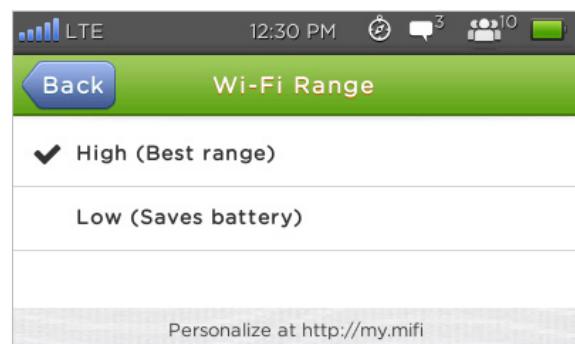
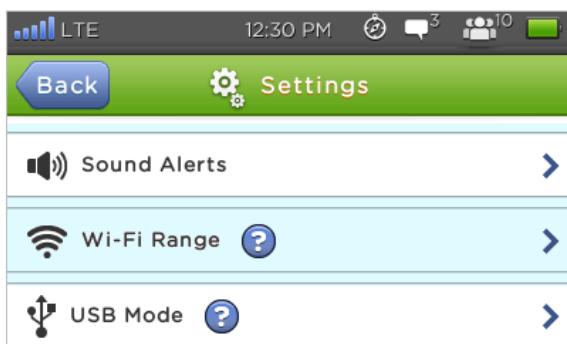
- 6** To adjust touchscreen brightness, tap **Screen Brightness**. Slide the brightness indicator button to set the desired level.



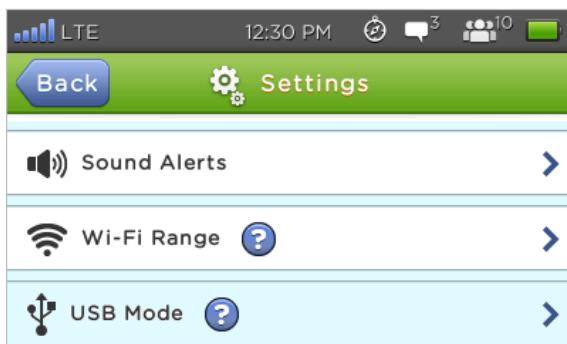
- 7 To enable or disable sound alerts, tap **Sound Alerts**. Scroll to select from available alerts, including Battery, Data Usage, International Roaming, Connecting Devices, microSD Card and Power. Slide the ON/OFF button **ON** to enable the selected alert.



- 8 To configure the device Wi-Fi Range, tap **Device Wi-Fi Range**. Select **High** for the largest network area, or **Low** to conserve battery power.

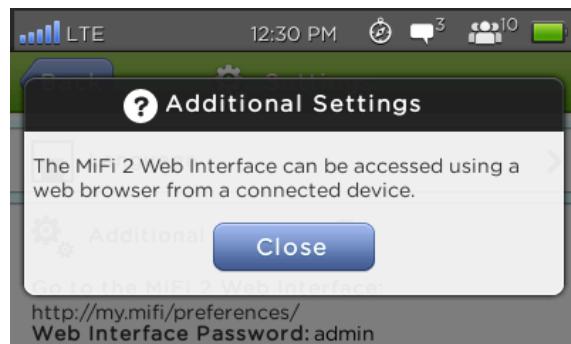
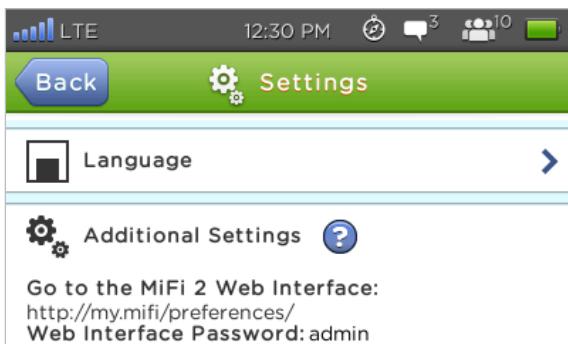


- 9 To configure your USB Mode connection, tap **USB Mode**. Select **Charge Only** to recharge the battery via USB cable, or **Tethering over USB** to connect the device over a USB cable with a data connection. Windows XP users must install drivers from the MiFi 2 Web Interface.





- ⑩ To display and select from the available language options , tap **Language**, then select from the list of languages listed. To access and configure additional features and settings, login to the MiFi 2 Web Interface at <http://my.mifi>, then select **Settings > Device Settings > Preferences**.



# On the MiFi 2 Web Interface

To access Advanced, Hotspot, and Mobile Setting options, select the **Settings** tab on the Navigation panel on the MiFi 2 Web Interface Home page.



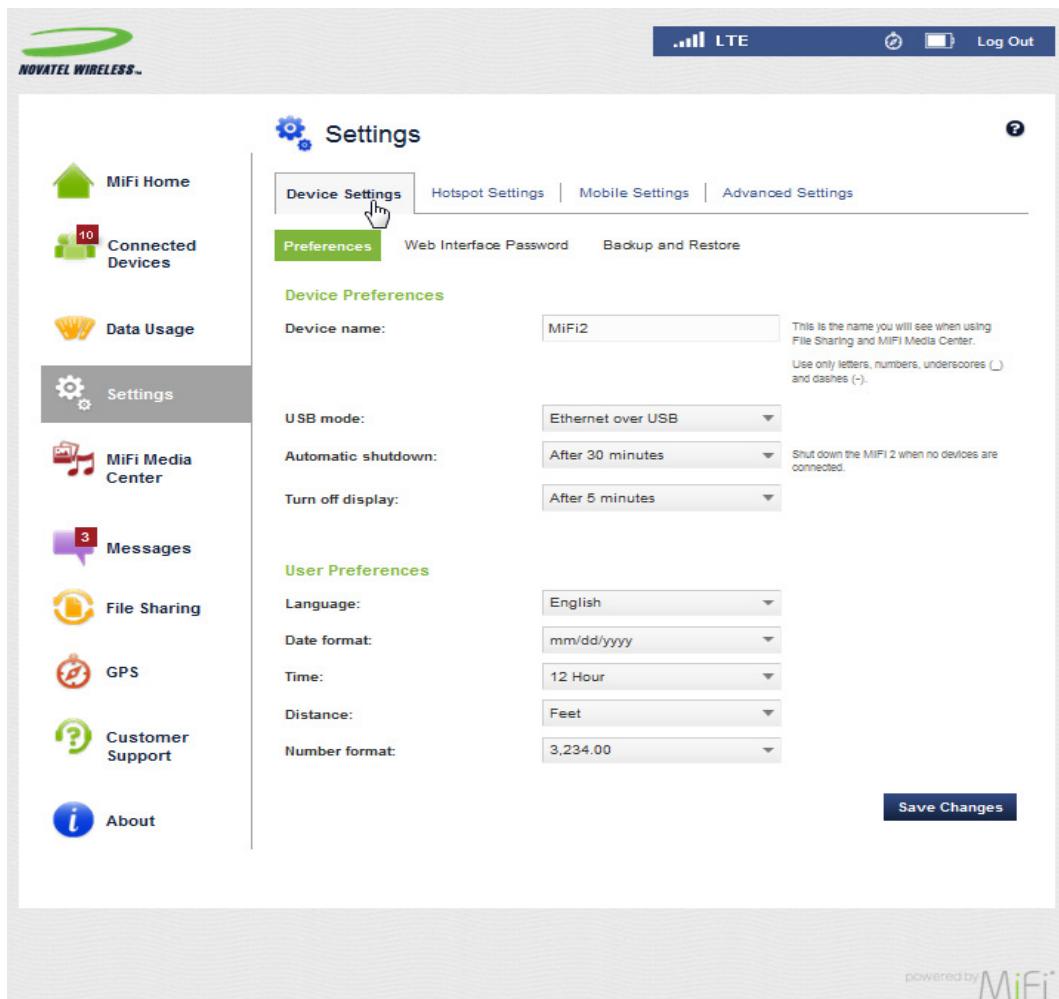
The Settings page contains the following:

- **Device Settings** (See [Device Settings](#) on page 42.)
- **Hotspot Settings** (See [Hotspot Settings](#) on page 52.)
- **Mobile Settings** (See [Mobile Settings](#) on page 58.)
- **Advanced Settings** (See [Advanced Settings](#) on page 64.)

# Device Settings

The Device Settings menu includes the following additional menu options.

- **Preferences** (See [Preferences](#) on page 43.)
- **Web Interface Password** (See [Web Interface Password](#) on page 47.)
- **Backup and Restore** (See [Backup and Restore](#) on page 49.)



## Preferences

The Preferences section allows you to customize your MiFi device settings and preferences. The Preferences section displays the following:

- **Device Preferences** – allows you to set auto shutdown preferences and to enable Ethernet over USB. Select your shutdown preference from the **Automatic Shutdown** drop-down menu. Click **Enable Ethernet over USB** to enable.
- **User Preferences** – allows you to change date and time, temperature, distance and numeric format preferences.

The screenshot shows the MiFi device's web-based configuration interface under the 'Settings' tab. The 'Device Settings' tab is active. The 'Preferences' tab is highlighted with a green background and a cursor icon pointing to it. Below the tabs, there are three buttons: 'Web Interface Password', 'Backup and Restore', and 'Device Preferences'. The 'Device Preferences' section contains fields for 'Device name' (set to 'MiFi2'), 'USB mode' (set to 'Ethernet over USB'), 'Automatic shutdown' (set to 'After 30 minutes'), and 'Turn off display' (set to 'After 5 minutes'). A tooltip for 'Device name' explains it's used for File Sharing and MIFI Media Center. The 'User Preferences' section includes dropdown menus for 'Language' (English), 'Date format' (mm/dd/yyyy), 'Time' (12 Hour), 'Distance' (Feet), and 'Number format' (3,234.00). A 'Save Changes' button is located at the bottom right of the form.

Device name: MiFi2  
This is the name you will see when using File Sharing and MIFI Media Center.  
Use only letters, numbers, underscores (\_) and dashes (-).

USB mode: Ethernet over USB

Automatic shutdown: After 30 minutes  
Shut down the MIFI 2 when no devices are connected.

Turn off display: After 5 minutes

User Preferences

Language: English

Date format: mm/dd/yyyy

Time: 12 Hour

Distance: Feet

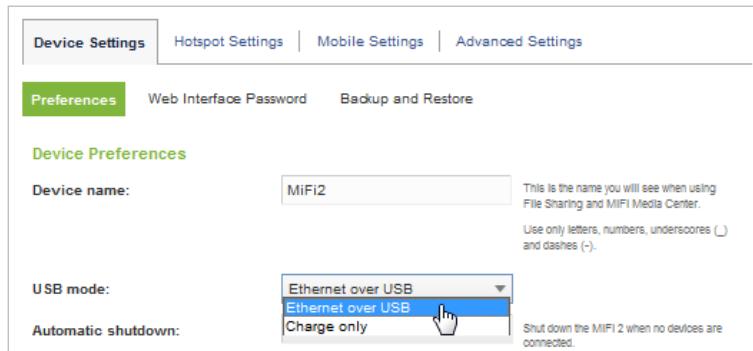
Number format: 3,234.00

Save Changes

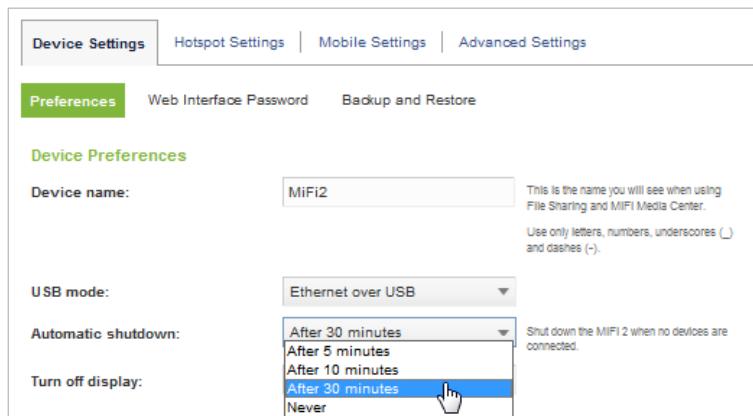
## **Setting Device Preferences**

To set device preferences:

- ① Select the USB mode you want to use from the **USB mode** drop-down menu.



- ② Select the automatic shutdown time interval you want to use from the **Automatic shutdown** drop-down menu. If **Turn off display** is set to **Never**, Automatic shutdown is disabled.



- ③ Select the time interval you want to use to turn off the display from the **Turn off display** drop-down menu. Choose from 30 seconds, 1 minute, 2 minutes, 5 minutes, or never.
- ④ Click **Save Changes**.

## **Setting User Preferences**

To select the language, and set the date, time, distance and number format preferences:

- ① Select the language you want to use from the **Language** drop-down menu. You can choose between English and French.

The screenshot shows the 'Device Settings' page with the 'User Preferences' tab selected. In the 'Language' dropdown, 'English' is currently selected. A cursor is hovering over the 'Français' option, which is highlighted with a blue background. Other settings visible include Date format (set to 'dd/mm/yyyy'), Time (set to '12 Hour'), Distance (set to 'Feet'), and Number format (set to '3,234.00'). A 'Save Changes' button is located at the bottom right.

- ② Select the date format you want to use from the **Date format** drop-down menu.

You can choose between European (dd/mm/yyyy) and U.S. (mm/dd/yyyy) date formats.

The screenshot shows the 'Device Settings' page with the 'User Preferences' tab selected. In the 'Date format' dropdown, 'mm/dd/yyyy' is currently selected. A cursor is hovering over the 'dd/mm/yyyy' option, which is highlighted with a blue background. Other settings visible include Language (set to 'English'), Time (set to '12 Hour'), Distance (set to 'Feet'), and Number format (set to '3,234.00'). A 'Save Changes' button is located at the bottom right.

- ③ Select the time format you want to use from the **Time** drop-down menu.

You can choose between 12 and 24 hour formats.

The screenshot shows the 'Device Preferences' section of the device settings. Under 'User Preferences', the 'Time' dropdown menu is open, displaying '12 Hour' (selected), '12 Hour' (highlighted with a blue selection bar), and '24 Hour'. Other visible settings include 'Language: English', 'Date format: mm/dd/yyyy', 'Distance: Feet', and 'Number format: 3,234.00'. A 'Save Changes' button is at the bottom right.

- ④ Select the number format units you want to use from the **Number format** drop-down menu.

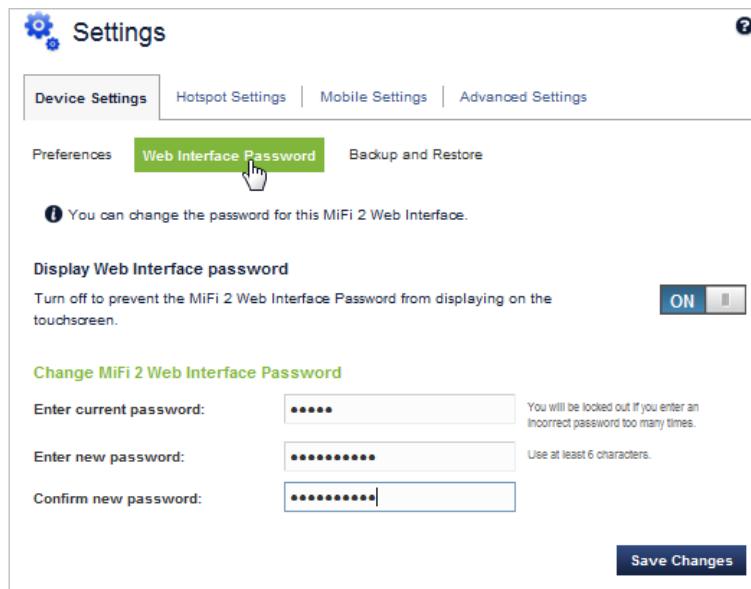
The screenshot shows the 'Device Preferences' section of the device settings. Under 'User Preferences', the 'Number format' dropdown menu is open, displaying '3,234.00' (selected), '3,234.00' (highlighted with a blue selection bar), and '3,234,00'. Other visible settings include 'Language: English', 'Date format: mm/dd/yyyy', 'Time: 12 Hour', 'Distance: Feet', and 'Number format: 3,234.00'. A 'Save Changes' button is at the bottom right.

- ⑤ Click **Save Changes**.

## Web Interface Login

The Web Interface Password section displays the following:

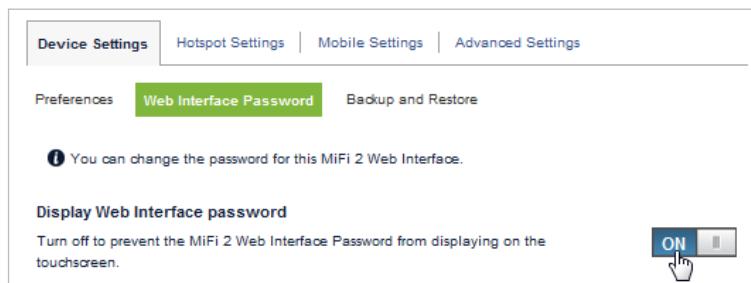
- **Display Web Interface password** – allows you to turn the MiFi 2 Web Interface Password display on the Connection Info page of the touchscreen **ON** or **OFF**. The default setting is **ON**.
- **Change MiFi 2 Web Interface Password** – allows you to change the Web Interface Password on your MiFi 2.



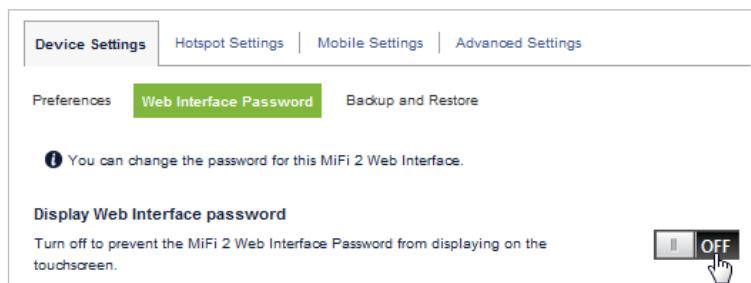
### Displaying the Web Interface Password on the Touchscreen

To change the display of the Web Interface Password on the MiFi 2 touchscreen:

- ① To turn the Web Interface Password display ON, slide the ON/OFF button to **ON**.



- ② To turn the Web Interface Password display OFF, slide the ON/OFF button to **OFF**.



## **Changing the MiFi 2 Web Interface Password**

To change your current Web Interface Password:

- ①** Enter your current Web Interface Password in the **Enter current password** field.
- ②** Enter your new Web Interface Password in the **Enter new password** field.
- ③** Enter your new Web Interface Password in the **Confirm new password** field.
- ④** Click **Save Changes** to save the changes made to your Web Interface Password.

The screenshot shows the 'Device Settings' menu with the 'Web Interface Password' tab selected. Below it, there's a note: 'You can change the password for this MiFi 2 Web Interface.' Under 'Display Web Interface password', a switch is set to 'ON'. The 'Change MiFi 2 Web Interface Password' section contains three input fields: 'Enter current password' (containing '\*\*\*\*\*'), 'Enter new password' (containing '\*\*\*\*\*'), and 'Confirm new password' (containing '\*\*\*\*\*'). To the right of the first field is a note: 'You will be locked out if you enter an incorrect password too many times.' To the right of the second field is a note: 'Use at least 6 characters.' At the bottom right is a 'Save Changes' button with a hand cursor icon pointing to it.

## Backup and Restore

The Backup and Restore section displays the following:

- **Backup** — allows you to save your device settings to your computer.
- **Restore** — allows you restore settings from a previously saved backup file.
- **Restore to Factory Defaults** — restores all settings and preferences to the factory default.

The screenshot shows the 'Settings' page of a MiFi device. The top navigation bar includes 'Device Settings' (selected), 'Hotspot Settings', 'Mobile Settings', and 'Advanced Settings'. Below the navigation is a sub-navigation bar with 'Preferences', 'Web Interface Password', and a green button labeled 'Backup and Restore' with a hand cursor icon. A tooltip for the 'Backup and Restore' button states: 'Backup your MiFi device settings and preferences to your computer. Please note that the backup file will only work with this particular MiFi device.' The 'Backup' section contains a 'Save your MiFi device settings to your computer.' link, a password input field with a note about lockout, and a 'Back Up Now' button. The 'Restore' section contains a 'Restore settings from a previously saved backup file.' link, a password input field with a note about lockout, a file selection input field with 'No file selected' and 'Choose File' buttons, and a 'Restore Now' button. The 'Restore to Factory Defaults' section contains a 'Restore all settings to the factory defaults.' link and a 'Restore Factory Defaults' button.

## **Backing Up Your MiFi 2 Settings**

To save your MiFi 2 settings to your computer:

- Enter your Web Interface Password in the **Enter your MiFi Web Interface password** field and click **Back Up Now**.

Device Settings    Hotspot Settings    Mobile Settings    Advanced Settings

Preferences    Web Interface Password    **Backup and Restore**

**Backup**

Save your MiFi device settings to your computer.

Enter your MiFi Web Interface password:  You will be locked out if you enter an incorrect password too many times.

**Back Up Now**

## **Restoring Your MiFi 2 Settings**

To restore settings from a previously saved backup file on your computer:

- ① Enter your Web Interface Password in the **Enter your MiFi Web Interface password** field.
- ② Click **Choose File** to select a file to restore.
- ③ Click **Restore Now** to restore the selected backup file.

Restore

Restore settings from a previously saved backup file.

Enter your MiFi Web Interface password:  You will be locked out if you enter an incorrect password too many times.

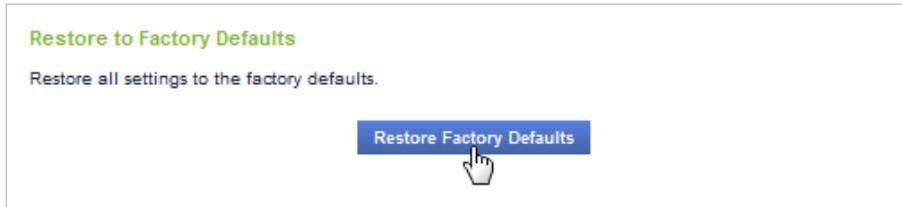
Select a file:  No file selected   **Choose File**

**Restore Now**

## **Restoring Your MiFi 2 to Factory Defaults**

To restore all device settings to the original factory settings:

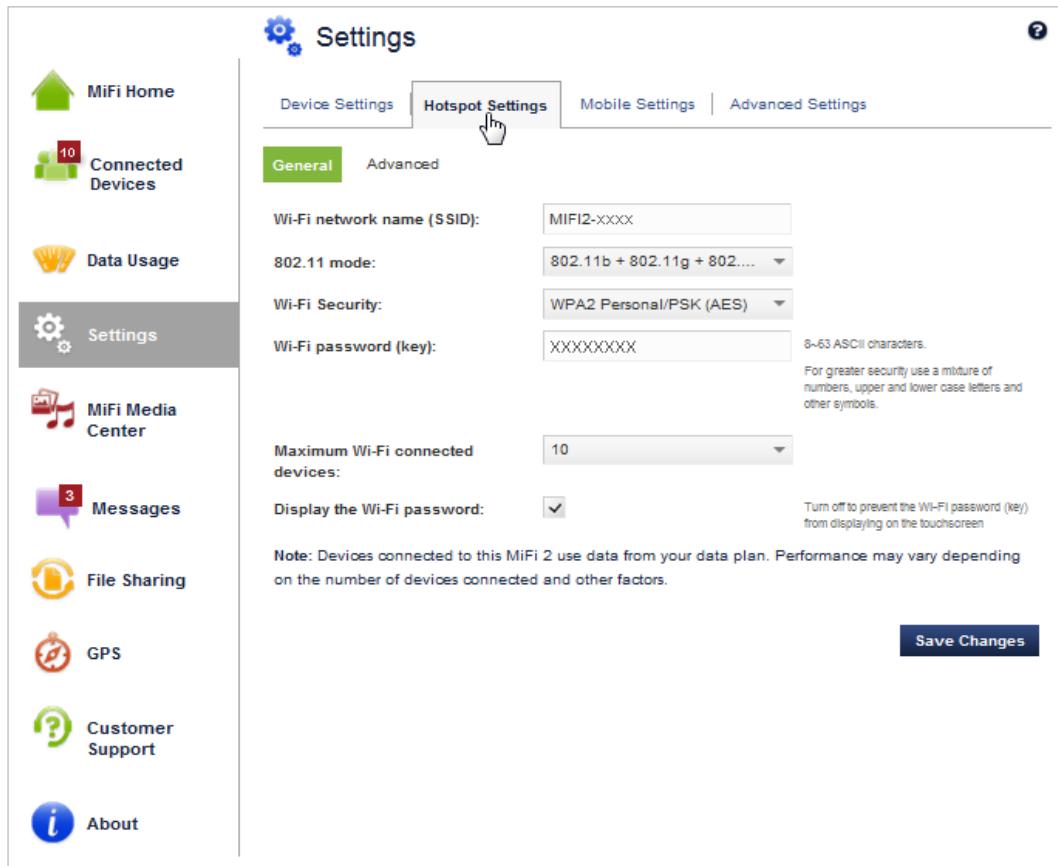
- Click **Restore Factory Defaults**.



# Hotspot Settings

The Hotspot Settings menu includes the following additional menu options.

- **General** (See [General](#) on page 53.)
- **Advanced** (See [Advanced](#) on page 56.)



## **General**

The General section displays the following:

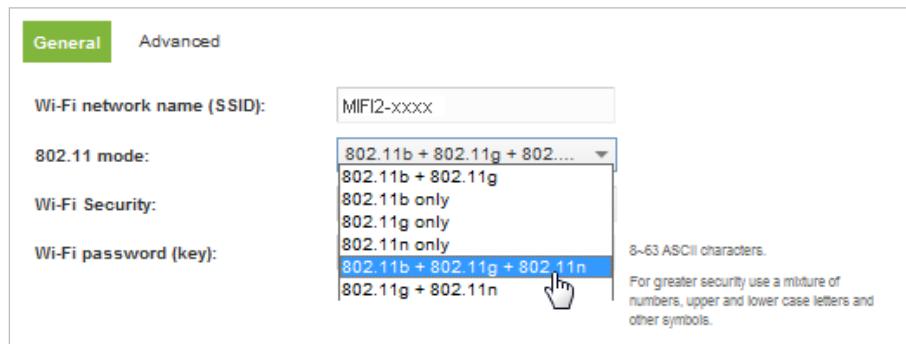
- **Wi-Fi network name (SSID)** — name of the network you are connected to. You can change the name to something more descriptive if you want; for example, if there are several MiFi devices in your area you might put your name in the network name; for example, "Sarah's MiFi".
- **802.11 mode** — the type of wireless networking you are currently using. The available modes are:
  - 802.11b +802.11g
  - 802.11b only
  - 802.11g only
  - 802.11n only
  - 802.11b+802.11g+802.11n
  - 802.11g+802.11n
- **Wi-Fi Security** — the type of security the profile is using.
- **Wi-Fi password (key)** — password used to access the Wi-Fi network. The required format varies by the type of security.
- **Maximum Wi-Fi connected devices** — select the number of devices you want to allow to connect to your MiFi device (1 - 10).
- **Display the Wi-Fi password** — turn off to prevent the Wi-Fi Password (Key) from displaying on the touchscreen.

## Changing Your Network Name (SSID) and Settings

Your MiFi 2 allows you to change the network name and Wi-Fi password.

To change your network name and settings:

- ① Enter the new network name in the **Wi-Fi network name (SSID)** field.
- ② Select the 802.11 mode from the **802.11 mode** drop-down menu.



- ③ Select the desired security from the **Wi-Fi Security** drop-down menu.

WEP 64 bit is the least secure but the most compatible with other systems. WPA/WPA2 is the most secure but the least compatible with other systems. Choose the most secure protocol that works with the computers and other computing devices you want to connect to your MiFi 2.



- ④ Enter the new network key in the **Wi-Fi password (key)** field. Write down the new network name and network key.



- 5** Select the maximum number of Wi-Fi connections (1 - 10) from the **Maximum Wi-Fi connected devices** drop-down menu.

The screenshot shows the 'Hotspot Settings' tab selected in the top navigation bar. Under the 'General' tab, there is a dropdown menu labeled 'Maximum Wi-Fi connected devices' with the value set to '10'. A tooltip for this field states: 'Turn off to prevent the Wi-Fi password (key) from displaying on the touchscreen' and 'Performance may vary depending on the number of devices connected'. To the right of the dropdown is a 'Save Changes' button.

- 6** Click the **Display the Wi-Fi password** check box to display the Wi-Fi password (key) on the touchscreen.

The screenshot shows the 'Hotspot Settings' tab selected in the top navigation bar. Under the 'General' tab, the 'Display the Wi-Fi password' checkbox is checked. A tooltip for this field states: 'Turn off to prevent the Wi-Fi password (key) from displaying on the touchscreen'. Below the checkbox, a note says: 'Note: Devices connected to this MiFi 2 use data from your data plan. Performance may vary depending on the number of devices connected and other factors.' To the right of the checkbox is a 'Save Changes' button.

- 7** Click **Save Changes**.

**IMPORTANT** You must write down the new network name and Wi-Fi password before you click **Save Changes**. Your wireless connection will be disabled at this point and you must reconnect with the new settings you just established.

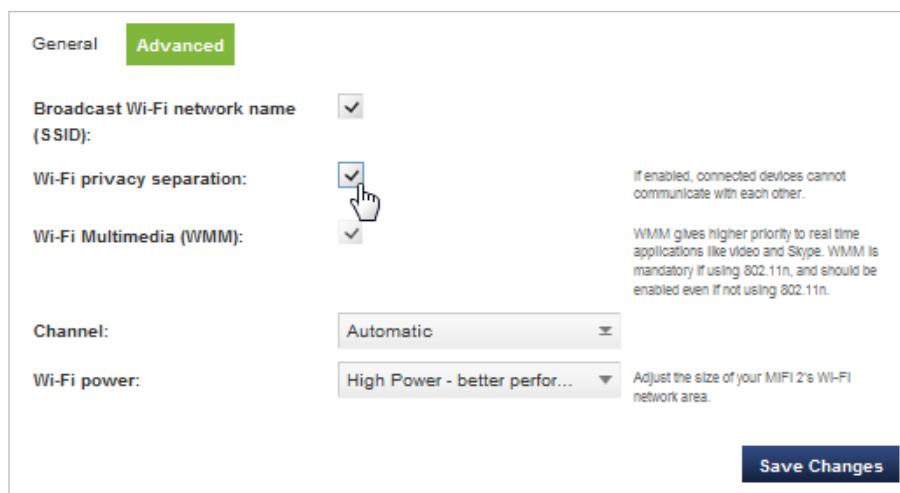
## Advanced

The Advanced section displays the following:

- **Broadcast Wi-Fi Network Name (SSID)** — makes your MiFi 2 device SSID visible to other compatible Wi-Fi enabled devices.
- **Wi-Fi Privacy Separation** — prevents devices connected to your MiFi 2 from communicating with each other.
- **WMM (Wi-Fi Multimedia)** — allows you to give a higher priority to real time applications.
- **Channel** — allows you to select a specific communication channel, or to let the MiFi 2 automatically select a channel.
- **Wi-Fi Power** — enables you to select the size of your Wi-Fi network.

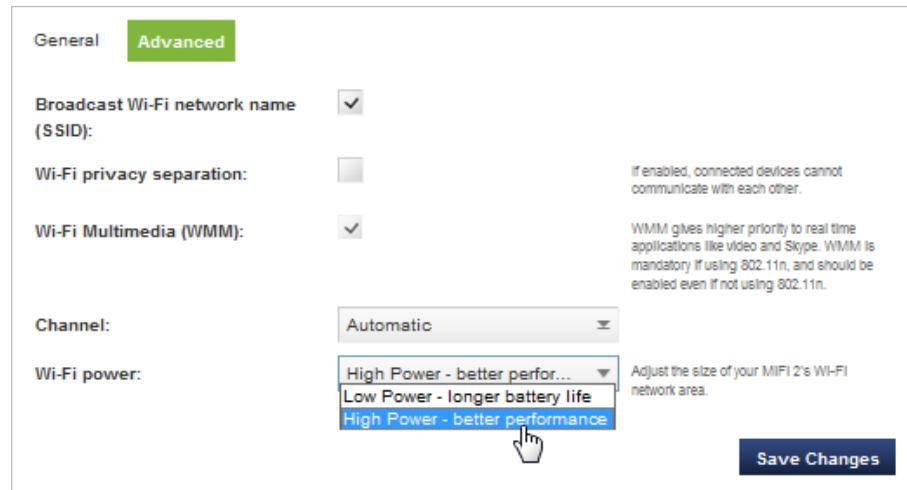
To configure your Hotspot Advanced Settings:

- ① To make your MiFi 2 visible to other compatible, Wi-Fi enabled devices, click the **Broadcast Wi-Fi network name (SSID)** check box.
- ② To prevent connected devices from communicating with each other, click the **Wi-Fi privacy separation** check box.



- ③ To give higher priority to real-time applications like video and Skype, click the **Wi-Fi Multimedia (WMM)** check box. It is mandatory to enable WMM when using 802.11n, and recommended for all other protocols.
- ④ To select a specific communication channel, choose from the drop-down menu options. To allow the device to automatically select the channel, choose the **Automatic** option.

- 5** To configure the Wi-Fi coverage area for your MiFi 2, select from the drop-down menu options. Select **Low Power - longer battery life** to limit the size of your Wi-Fi network and conserve battery life, or **High Power - shorter battery life** to maximize the size of your Wi-Fi network.

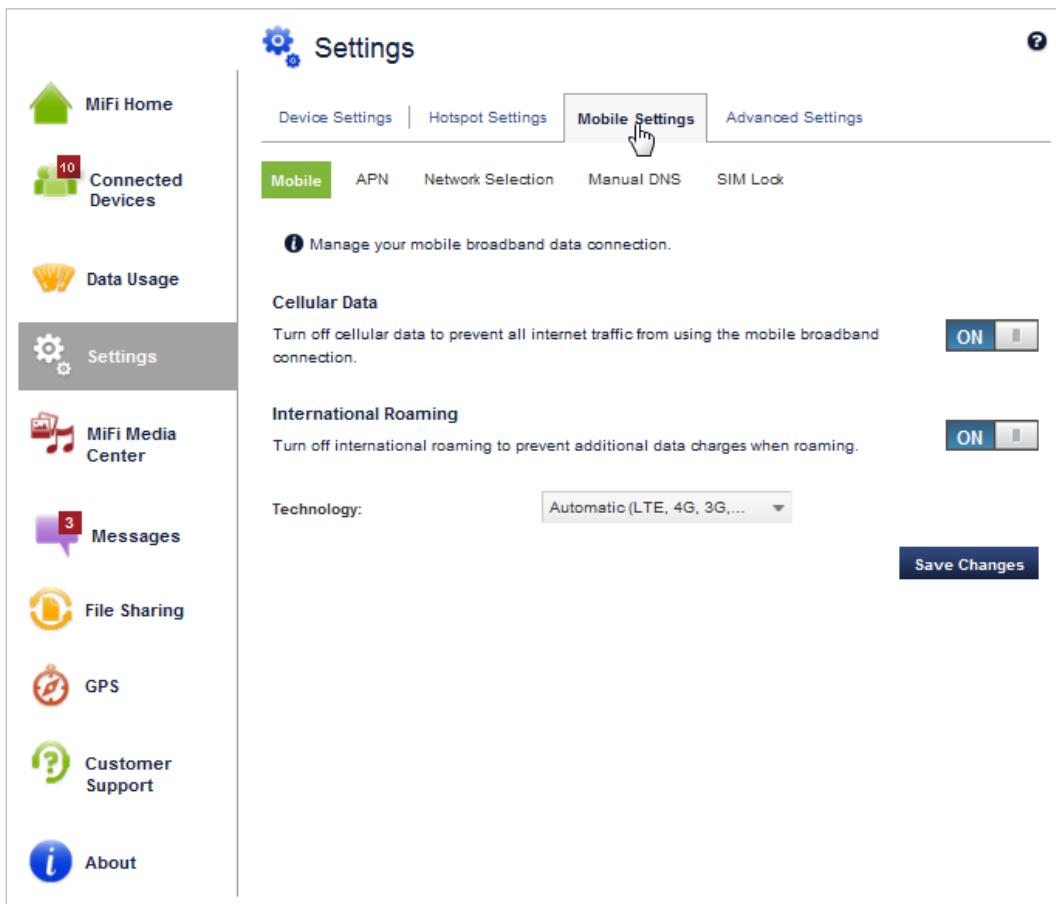


- 6** Click **Save Changes**.

# Mobile Settings

The Mobile Settings menu includes the following menu options.

- **Mobile** (See [Mobile](#) on page 59.)
- **APN** (See [APN](#) on page 60.)
- **Network Selection** (See [Network Selection](#) on page 61.)
- **Manual DNS** (See [Manual DNS](#) on page 62.)
- **SIM Lock** (See [SIM Lock](#) on page 63.)

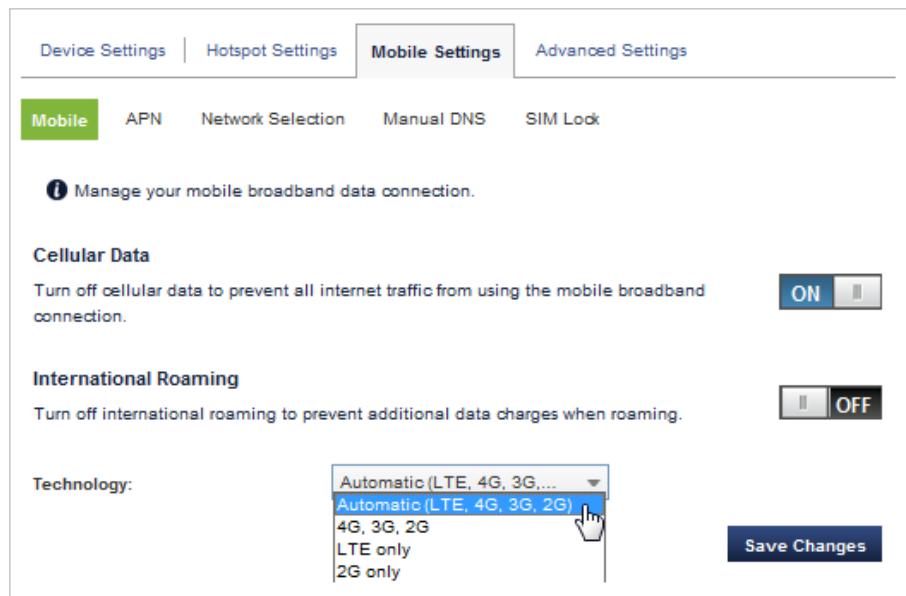


## Mobile

The Mobile section displays the following:

- **Cellular Data** — turn off cellular data to prevent all internet traffic from using the mobile broadband connection.
- **International Roaming** — turn on to access the Internet when traveling internationally.
- **Technology** — select desired technology options. Choose from Automatic (LTE, 4G, 3G, 2G); 4G, 3G, 2G; LTE only; and 2G only.

**NOTE** Additional data usage charges may apply.



Slide the **ON/OFF** button to enable or disable cellular data or international roaming.

## APN Profiles

This section is for **enterprise use only**. Changing default settings may adversely affect your Internet connection. The APN Profiles section displays the following:

- **Active APN Profile** — choose between Default or Custom.
- **APN** — enter a name for your Custom APN Profile in the APN field.

The screenshot shows a software interface for managing mobile settings. At the top, there are tabs: Device Settings, Hotspot Settings, Mobile Settings (which is selected and highlighted in blue), and Advanced Settings. Below these, there are sub-tabs: Mobile, APN (which is selected and highlighted in green), Network Selection, Manual DNS, and SIM Lock. A warning message is displayed: "Changing default settings may adversely affect your internet connection." Below this, there are five input fields: "Active APN profile" set to "Custom", "APN" set to "Broadband", "Authentication" set to "None", "User name" (empty), and "Password" (empty). At the bottom right is a "Save Changes" button with a hand cursor icon pointing to it.

To change your active APN profile:

- ① Select an available profile from the Active APN Profile drop-down menu.
- ② Enter the name of the APN profile in the APN field.
- ③ Select authentication from Authentication drop-down menu. Choose from None, PAP, and CHAP.
- ④ For PAP or CHAP Authentication, enter your User name as specified by your service provider in the User name field. If Authentication is None, this can be left blank.
- ⑤ For PAP or CHAP Authentication, enter your Password as specified by your service provider in the Password field. If Authentication is None, this can be left blank.
- ⑥ Click **Save Changes**.

## Network Selection

Your MiFi 2 automatically connects to the optimal mobile network available. In many cases you can also connect to a network manually if multiple networks are available. Manual network selection will not be available if there are no additional available networks.

The screenshot shows a user interface for managing mobile network settings. At the top, there are tabs for "Device Settings", "Hotspot Settings", "Mobile Settings" (which is highlighted in blue), and "Advanced Settings". Below these are sub-tabs: "Mobile", "APN", "Network Selection" (which is highlighted in green), "Manual DNS", and "SIM Lock". A note below the sub-tabs states: "MiFi 2 automatically connects to the best mobile network available. You can also manually select a network. If the connection to the manually selected network is lost, the device will return to automatic network selection." The "Status" section indicates "Automatic Network Selection, No scan in progress". A note below it says: "If you wish to use manual network selection, you must select a network. Only the selected network will be used. When that network becomes unavailable, the MiFi device will revert to automatic network selection." A button labeled "Scan for Networks" is shown with a cursor pointing at it.

## Manual DNS

The Manual DNS section displays the following:

- **Enable Manual DNS** — allows you to select a specific DNS address.
- **DNS Address 1** — allows you to enter your primary DNS address.
- **DNS Address 2** — allows you to enter a secondary DNS address if you have one. This field can also be left blank.

Device Settings | Hotspot Settings | **Mobile Settings** | Advanced Settings

Mobile APN Network Selection **Manual DNS** SIM Lock

ⓘ Your MiFi device automatically selects a Domain Name Server (DNS). You can also select one manually.

Enable manual DNS:

DNS address 1:  Mandatory

DNS address 2:  Optional

**Save Changes**

To enable Manual DNS:

- ① Click the **Enable Manual DNS** check box.
- ② Enter the primary DNS address in the DNS Address 1 field.
- ③ Enter a second DNS address in the CNS Address 2 field. This field may be left blank if you do not have a second DNS address.
- ④ Click **Save Changes**.

Device Settings | Hotspot Settings | **Mobile Settings** | Advanced Settings

Mobile APN Network Selection **Manual DNS** SIM Lock

ⓘ Your MiFi device automatically selects a Domain Name Server (DNS). You can also select one manually.

Enable manual DNS:

DNS address 1:  Mandatory

DNS address 2:  Optional

**Save Changes**

## SIM Lock

The SIM Lock section displays the following:

- **SIM Status** — displays the current SIM status.
- **Desired Action** — allows you to select Enable PIN Lock from the drop-down menu.
- **Enter current SIM PIN** — allows you to enter your desired PIN.

The SIM card in your MiFi device can be locked using a PIN. If the SIM card is locked, you must enter a PIN before connecting to the Internet. To lock your SIM card:

- ① Select **Enable PIN Lock** in the **Desired Action** drop-down menu.
- ② Contact your service provider to request a SIM PIN code.
- ③ Enter a PIN in the **Enter Current SIM PIN** field.
- ④ Click **Save Changes**.

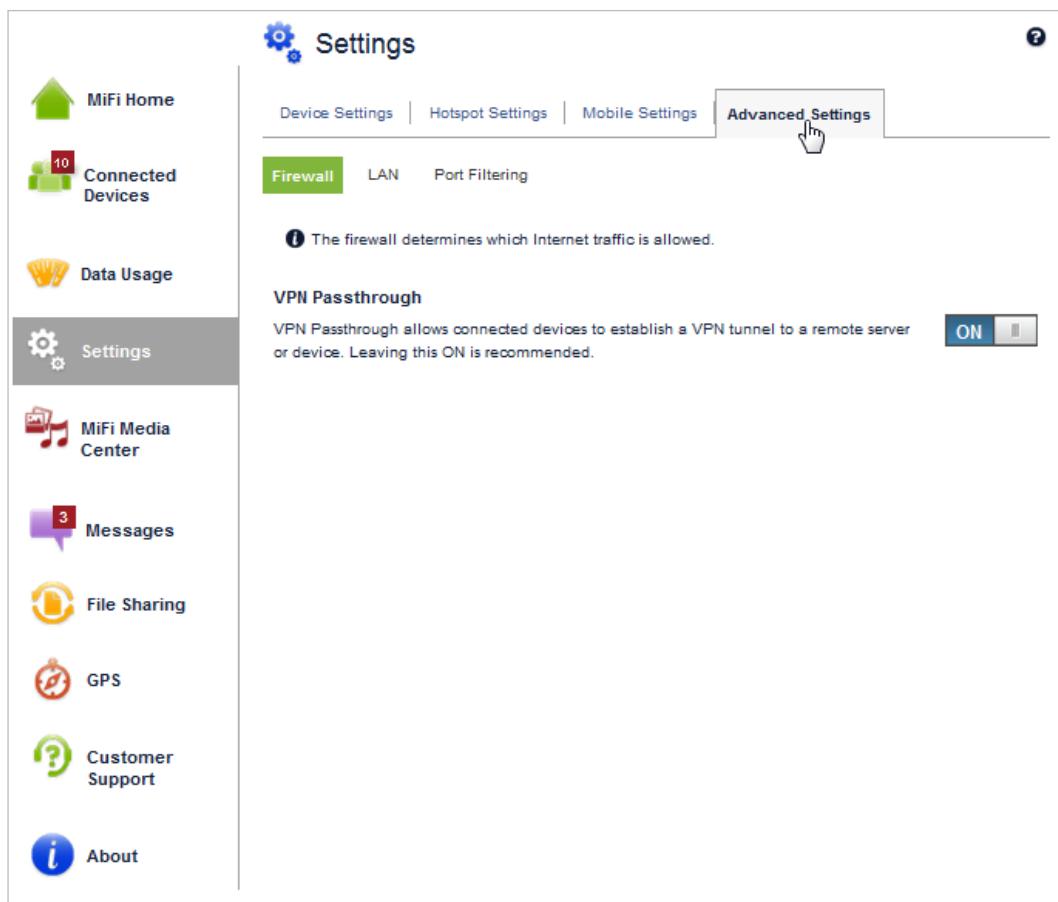
The screenshot shows the 'Mobile Settings' tab selected in the top navigation bar. Below it, the 'SIM Lock' sub-tab is highlighted with a green background. The main content area contains the following fields and information:

- SIM status:** Ready
- Desired action:**
- Enter current PIN:**  Contact your service provider for the default PIN.
- Warning:**  ⚠ Entering an incorrect PIN too many times will PUK lock your SIM and you will be unable to use this device. You will need to contact your service provider to unlock the SIM.
- Save Changes** button with a hand cursor icon.

# Advanced Settings

The Advanced Settings menu includes the following menu options:

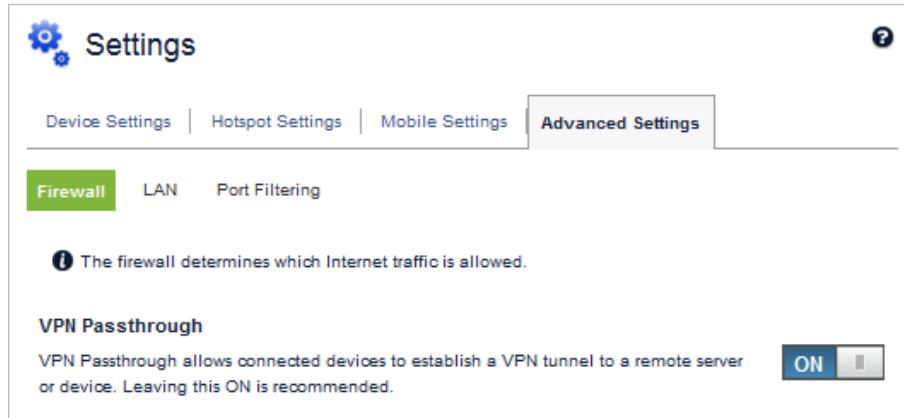
- **Firewall** (See [Firewall](#) on page 65.)
- **LAN** (See [LAN](#) on page 66.)
- **Port Filtering** (See [Port Filtering](#) on page 67.)



## Firewall

The Firewall section displays the following:

- **VPN Passthrough** – allows connected devices to establish a VPN tunnel to a remote server or device.



To allow connected devices to establish a VPN tunnel to a remote server or device:

- Slide the ON/OFF button to **ON**.

## LAN

The LAN section displays the following:

- **IP Address** — the address that identifies the MiFi 2 on the network.
- **Subnet Mask** — the standard address for the MiFi 2 subnet.
- **MAC Address** — the physical address or hardware address of your MiFi device.
- **Enable DHCP Server** — allows the device to automatically assign a local IP address to a new device joining your network (such as a wireless printer or another computer).
- **Start DHCP Address Range at** — the current range of IP addresses assigned by the MiFi DHCP server.
- **Current DHCP Address Range** — the beginning range of IP addresses assigned by the MiFi DHCP server.

Settings

Device Settings | Hotspot Settings | Mobile Settings | Advanced Settings | Firewall | **LAN** | Port Filtering

**IPv4**

IP address: XXX.XXX.X.X

Subnet mask: XXX.XXX.X.X

MAC address: XX:XX:XX:XX:XX:XX

Enable DHCP server:

Start DHCP address range at: XXX.XXX.X.X

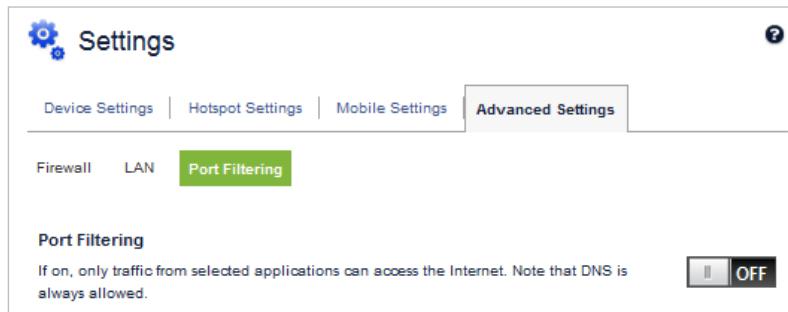
Current DHCP address range: XXX.XXX.X.X - XXX.XXX.X.XXX

Save Changes

## Port Filtering

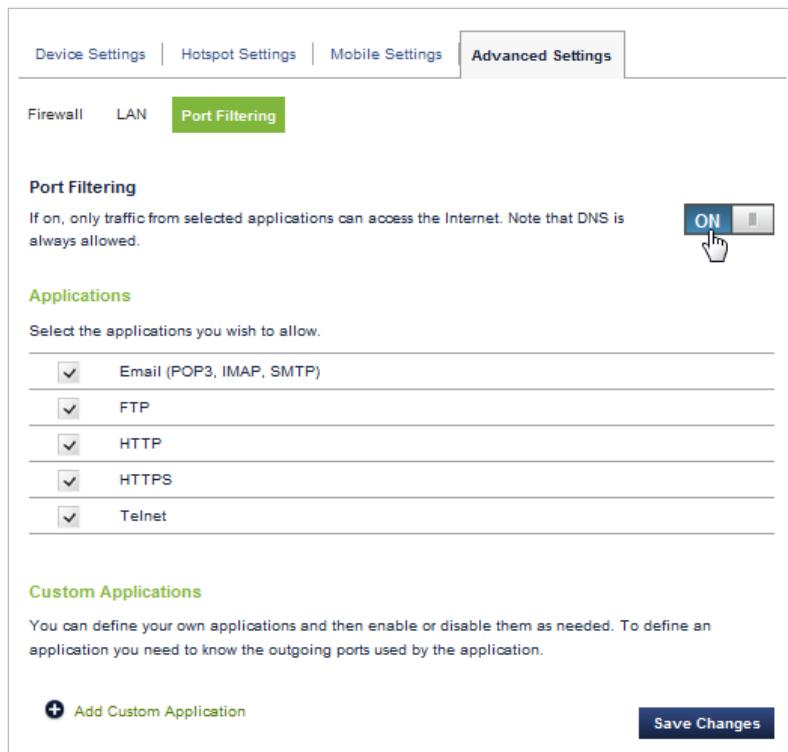
Port Filtering allows you to enhance the security of your system by only allowing certain applications to reach the Internet. The Port Filtering section displays the following:

- **Port Filtering** — restricts internet traffic to specific applications. Slide the ON/OFF button to ON to turn Port Filtering on.
- **Applications** — select the check box next to one or more application (DNS, NNTP, SNMP, FPO, POP3, Telnet, HTTP, SMTP) to turn the particular application on.
- **Custom Applications** — select **Add Custom Application** to add an application not included in the applications section.



To enable Port Filtering and restrict Internet traffic to specific applications:

- ① Click the **Port Filtering** check box.
- ② Click the application check box to enable/disable the selected application.
- ③ Click **Save Changes** to apply any changes made to the Port Filtering application settings.



To enable Port Filtering for custom applications:

- ① Click **Add Custom Applications**.
- ② Enter the desired name in the App Name field.
- ③ Enter the appropriate values in the Begin Port and End Port fields.
- ④ Select either TCP or UDP from the Protocol drop-down menu.
- ⑤ Click the check mark to finish editing the application.
- ⑥ Click **Save Changes** to save and apply the settings.

**Custom Applications**

You can define your own applications and then enable or disable them as needed. To define an application you need to know the outgoing ports used by the application.

Enable	App Name	Start Port	End Port	Protocol	Delete
<input checked="" type="checkbox"/>	Custom App 1	XXX	XXX	TCP	<input type="checkbox"/>
<input checked="" type="checkbox"/> <a href="#">Add Custom Application</a>					<input type="button" value="Save Changes"/>

# MiFi Media Center

MiFi Media Center allows you to place movies, music and photos on a microSD card inserted in the MiFi 2 - up to 32 GB. Play them on connected devices using a web browser or on DLNA capable TVs or players.

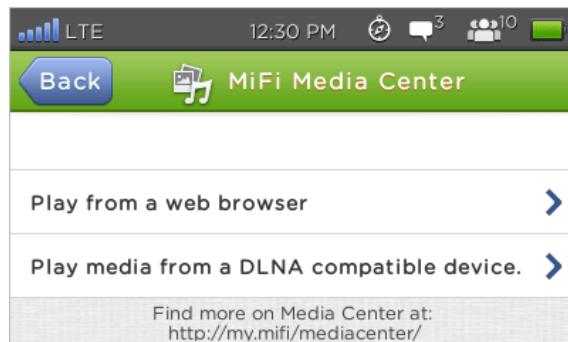
To enable the MiFi Media Center, tap the **MiFi Media Center** icon on the MiFi 2 touchscreen, or select **MiFi Media Center** on the Navigation panel on the MiFi 2 Web Interface.

## On the MiFi 2 Touchscreen

- 1 Tap the **MiFi Media Center** icon  to display the MiFi Media Center page.



- 2 To access the MiFi Media Center and display a list of available video, audio and image media files, slide the ON/OFF button to **ON**.



- 3 For more MiFi Media Center options, go to <http://my.mifi/mediacenter>.

# On the MiFi 2 Web Interface

To view and share your media files with connected devices, play your media files in your web browser, and access MiFi Media Center applications, select the **MiFi Media Center** tab on the Navigation panel on the MiFi 2 Web Interface Home page.



The MiFi Media Center page contains the following.

- **Status** (See [Status](#) on page 71.)
- **Media** (See [Media](#) on page 73.)

## Status

Turning on the MiFi Media Center makes the media content on the microSD card available to connected devices. To view and share your media files with other DLNA capable devices:

- ① Select the **Status** tab to display the MiFi Media Center Status page.

MiFi Media Center

Status Media

**Enable MiFi Media Center**

Turning on the MiFi Media Center makes the media content on the microSD card available to connected devices.

Slide the ON/OFF button to **ON** to enable the MiFi Media Center and display MiFi Media Center status details and options.

MiFi Media Center

Status Media

**Enable MiFi Media Center**

Turning on the MiFi Media Center makes the media content on the microSD card available to connected devices.

**MiFi Media Center Status**

Server name:	MiFi2
Server status:	Not streaming
microSD card status:	Available
Videos:	2
Music:	3
Photos:	55

- ③** To rescan the contents on the microSD card, click **Rescan Content**. Click **Confirm** to begin the rescan.

**MiFi Media Center Status**

Server name:	MiFi2
Server status:	Not streaming
microSD card status:	Available
Videos:	2
Music:	3
Photos:	55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

**Enable MiFi Media Center**

Turning on the MiFi Media Center makes the media content on the mi

**Confirm**

Rescanning content may take a while, are you sure you want to continue?

**Cancel** **Confirm**

**Photos:** 55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

To clear your cache and ensure that you have the latest versions of stored files, click **Clear Cache**. Click **Confirm** to delete the cached files.

**MiFi Media Center Status**

Server name:	MiFi2
Server status:	Not streaming
microSD card status:	Available
Videos:	2
Music:	3
Photos:	55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

**Enable MiFi Media Center**

Turning on the MiFi Media Center makes the media content on the mi

**Confirm**

Are you sure you want to clear your cache?

**Cancel** **Confirm**

**Photos:** 55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

- ⑤** To restart the MiFi Media Center Server, click **Restart Server**. Click **Confirm** to begin the restart.

**MiFi Media Center Status**

Server name:	MiFi2
Server status:	Not streaming
microSD card status:	Available
Videos:	2
Music:	3
Photos:	55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

**Enable MiFi Media Center**

Turning on the MiFi Media Center makes the media content on the mi

**Confirm**

Are you sure you want to restart the MiFi Media Center?

**Cancel** **Confirm**

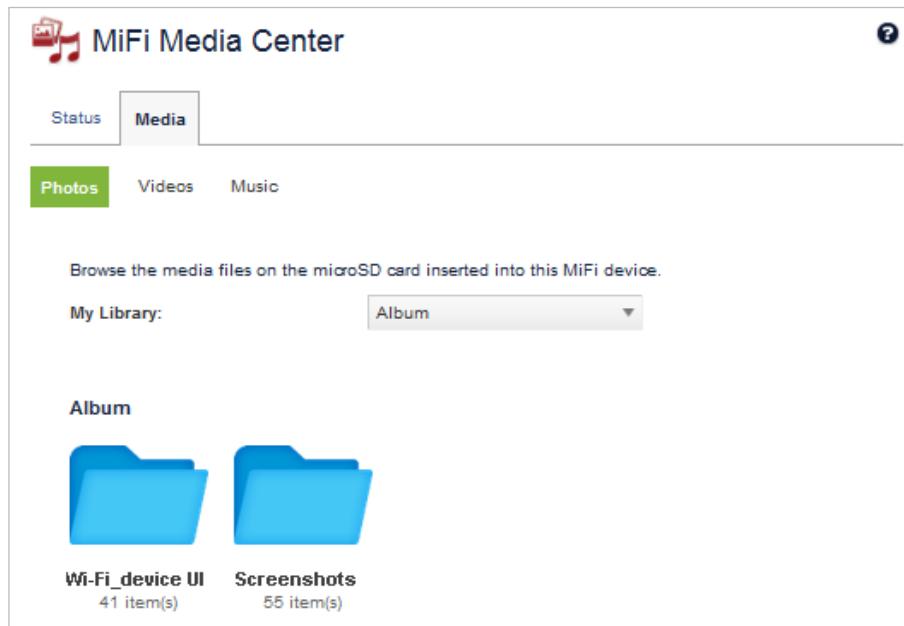
**Photos:** 55

**Rescan Content** **Clear Cache** **Restart MiFi Media Center**

# Media

The Media menu enables you to browse your media and displays these additional menu options.

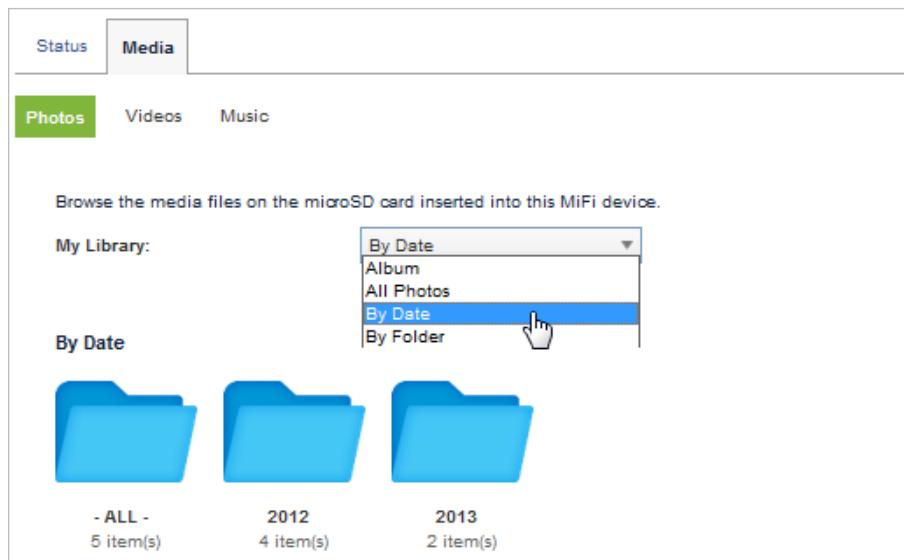
- **Photos** (See [Photos](#) on page 74.)
- **Videos** (See [Videos](#) on page 75.)
- **Music** (See [Music](#) on page 76.)



## Photos

The My Library drop-down menu allows you to browse and sort the photo files on the MiFi 2 microSD card using these options:

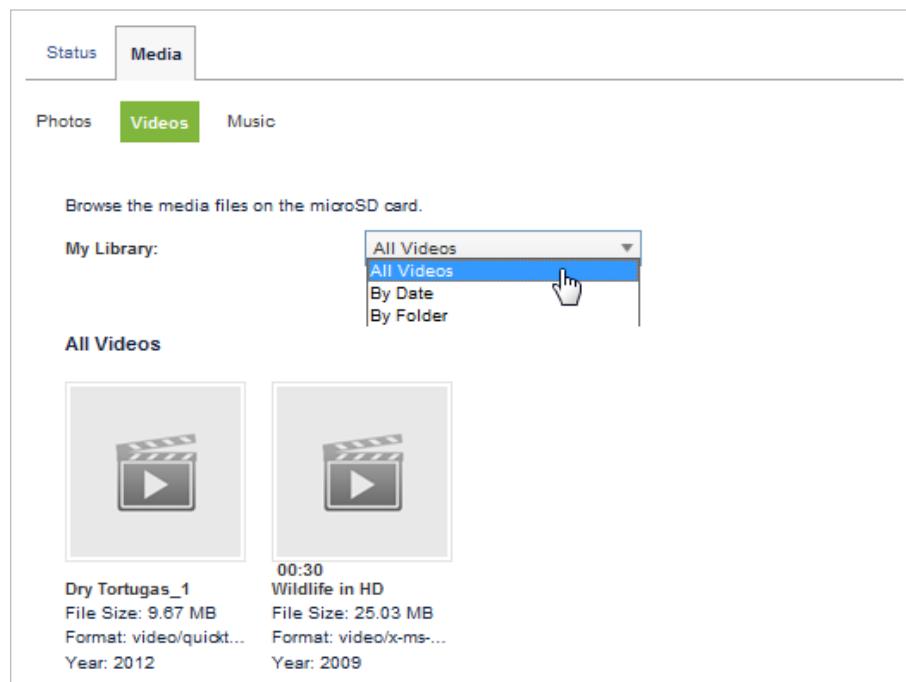
- **Album** — sorts photo files by album.
- **All Photos** — sorts all photo files.
- **By Date** — sorts photo files by date.
- **By Folder** — sorts photo files by folder.



## Videos

The My Library drop-down menu allows you to browse and sort the video files on the MiFi 2 microSD card using these options:

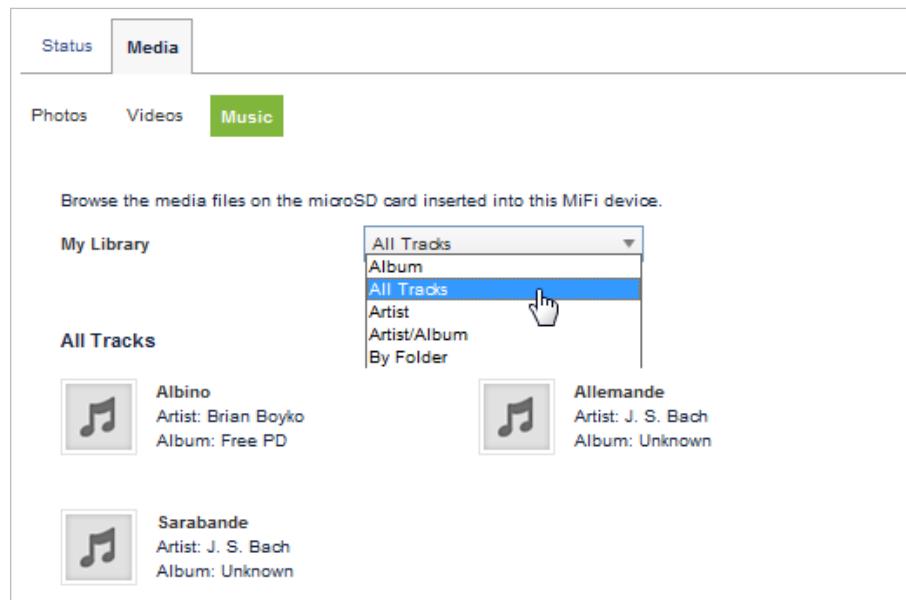
- **All Videos** — sorts all video files.
- **By Date** — sorts video files by date.
- **By Folder** — sorts video files by folder.



## Music

The My Library drop-down menu allows you to browse and sort the music files on the MiFi 2 microSD card using these options:

- **Album** — sorts music files by album.
- **All Tracks** — sorts music files by track.
- **Artist** — sorts music files by artist.
- **Artist/Album** — sorts music files by artist/album.
- **By Folder** — sorts music files by folder.

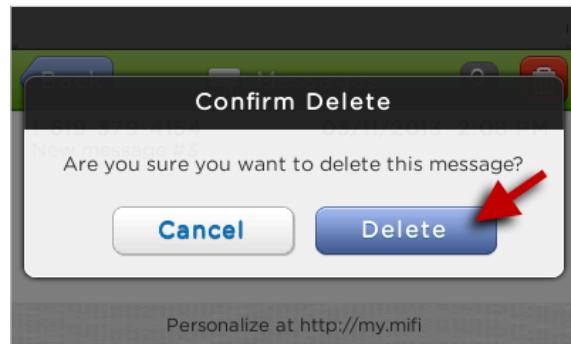
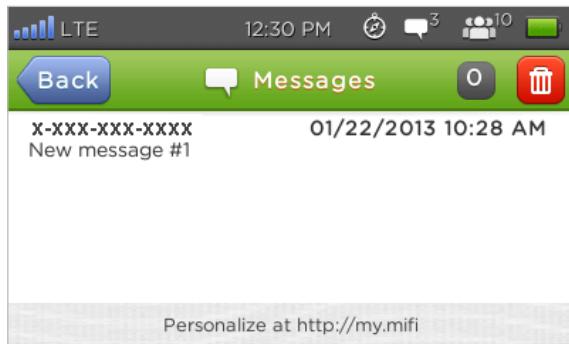
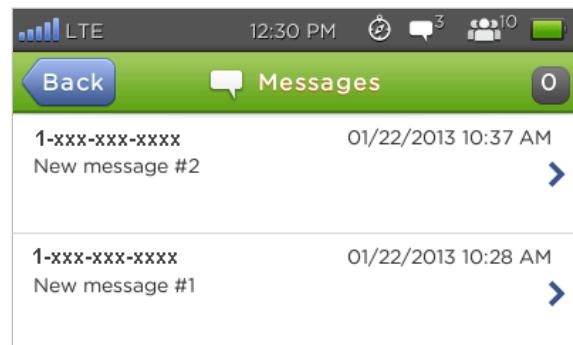


# Messages

The Messages page lists the SMS messages delivered to your MiFi 2 by your service provider. All messages are listed in order by date, with unread messages indicated in bold on a colored background. All messages are marked as read once they are displayed on this page.

## On the MiFi 2 Touchscreen

- 1 Tap the **Messages** icon  to display the Messages page. The number of unread messages appears at the top of the page.
- 2 To delete a message, tap the garbage can and tape Delete on the Confirm Delete message screen.



# On the MiFi 2 Web Interface

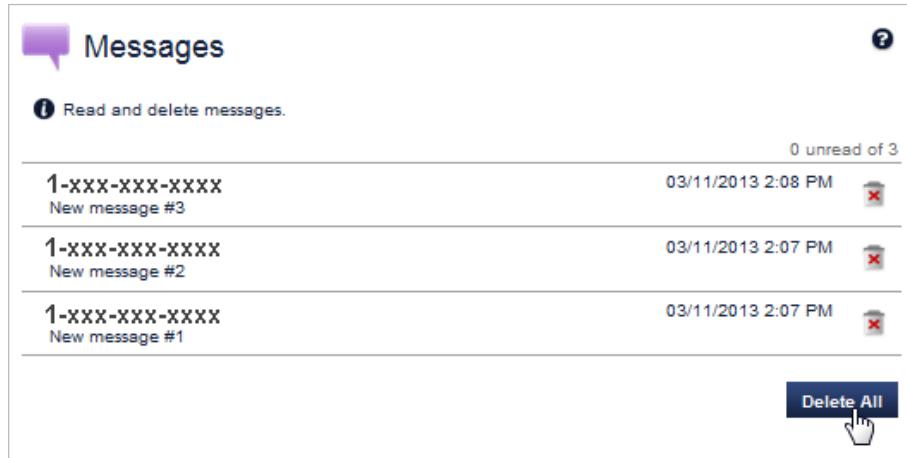
Select the **Messages** tab on the Navigation panel on the MiFi 2 Web Interface Home page.

The screenshot shows the MiFi 2 Web Interface. At the top, there is a header with the Novatel Wireless logo, signal strength (LTE), battery status, and a Log Out button. On the left, a vertical navigation bar lists several options: MiFi Home, Connected Devices (with 10 devices listed), Data Usage, Settings, MiFi Media Center, and a list of links including Messages (which is selected and highlighted in grey), File Sharing, GPS, Customer Support, and About. The main content area is titled "Messages" and contains a sub-instruction: "Read and delete messages." It shows three messages from "1-XXX-XXX-XXXX": "New message #3" (sent 03/11/2013 2:08 PM), "New message #2" (sent 03/11/2013 2:07 PM), and "New message #1" (sent 03/11/2013 2:07 PM). Each message has a trash can icon next to it. Below the messages is a "Delete All" button. At the bottom right of the main content area, it says "powered by MiFi".

- Click **Delete** next to a message to delete only that message.

This screenshot shows the same MiFi 2 Web Interface as above, but with a mouse cursor hovering over the trash can icon next to the first message ("New message #3"). A context menu has appeared, containing the option "Delete this message". The rest of the interface remains the same, showing the other two messages and the "Delete All" button.

- Click **Delete All Messages** to delete all messages listed.



# File Sharing

Your MiFi 2 includes a microSD card slot that allows you to store files and share them with connected devices. microSD cards are sold separately.

The File Sharing page enables you to share files stored on the microSD card with other compatible devices, like your laptop and tablet, that are connected to the MiFi 2.

## Enable File Sharing

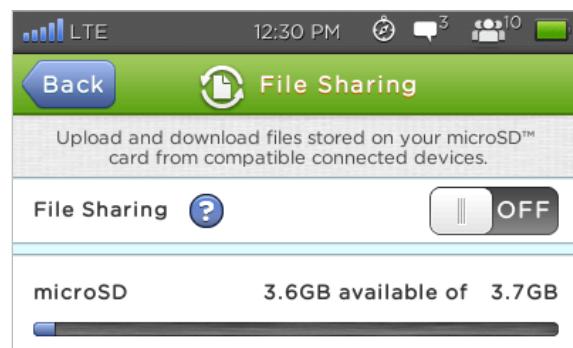
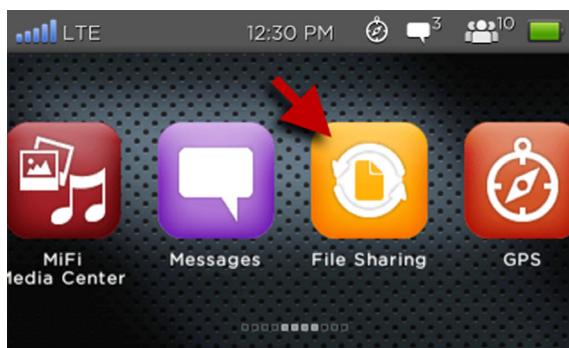
Insert a microSD card. File sharing is not enabled by default. If file sharing is enabled, devices connected to your MiFi 2 can access the files on your microSD card.

**NOTE**

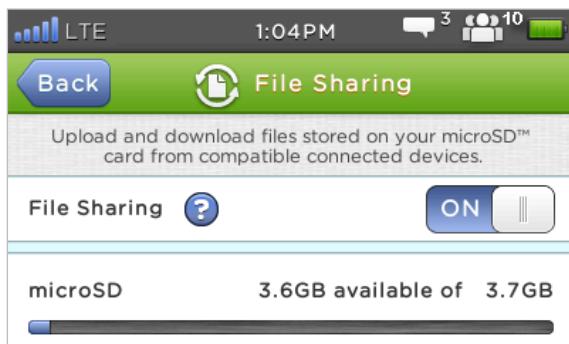
- Be careful not to touch the contacts.
- Do not force the card into the slot. Check the orientation of the card if you have difficulties, and be sure it slides easily into the slot.
- Your MiFi 2 supports both microSD and microSDHC (High Capacity) cards up to 32GB. (For the purposes of this User Guide, microSD is used.)

## On the MiFi 2 Touchscreen

- 1 Tap the **File Sharing** icon  to display the File Sharing page.



- 2 Slide the File Sharing ON/OFF button to ON.



- 3 Scroll to the lower part of the page to access instructions for using File Sharing on Windows, Mac or Tablets. For more File Sharing options, go to <http://my.mifi/filesharing>.

## **Accessing Shared Files**

### **Instructions for Windows 7:**

- 1** Click the Windows Start button and select **Computer**. The microSD card appears under Networks.
- 2** If the microSD card does not appear under Networks, go to Start and type in **\MiFi2**.
- 3** If prompted for a user name, enter **guest**. Do not enter a password.

**NOTE**

Instructions for other Windows versions may vary.

### **Instructions for Mac:**

- The microSD card will appear automatically under the 'shared' menu in the finder.

### **Instructions for iOS, Android, and other Mobile Devices:**

- Files may be downloaded and viewed from a connected mobile device through the web browser by going to <http://my.mifi/files>.

# On the MiFi 2 Web Interface

To access the File Sharing page, click **File Sharing** on the Navigation panel. The File Sharing page contains the following menu options:

- **Settings** (See [Settings](#) on page 83.)
- **View Files** (See [View Files](#) on page 84.)

The screenshot shows the MiFi 2 Web Interface. At the top, there is a header bar with the Novatel Wireless logo, signal strength indicator (LTE), battery icon, and a Log Out button. Below the header is a navigation sidebar on the left containing icons for MiFi Home, Connected Devices, Data Usage, Settings, MiFi Media Center, Messages, File Sharing (which is highlighted with a mouse cursor), GPS, Customer Support, and About. The main content area is titled "File Sharing". It has two tabs: "Settings" (selected) and "View Files". A note below the tabs says: "Using File Sharing you can share files stored on your microSD card with connected devices, like your laptops and tablets." There is a "File Sharing" section with a switch labeled "ON". Below it, the "microSD card status" is shown as "Available". A progress bar indicates "3.6 GB of 3.7 GB remaining" for "microSD Card Storage". Under "Accessing Shared Files", there are instructions for Windows, Mac OS X, and iOS, Android, and other Mobile Devices. At the bottom right, it says "powered by MiFi®".

From this page you can enable file sharing and see how much free space you have available on the microSD card. You can also decide to protect your files with a password or make them available to everyone connected to your MiFi 2.

## Settings

The Settings section allows you to enable/disable File Sharing, check your microSD card status, and provides instructions for accessing shared files. The Settings section displays the following:

- **File Sharing** — slide the ON/OFF button to enable/disable File Sharing.
- **microSD Card Status** — displays microSD card availability and amount of unused storage.
- **Accessing Shared Files** — provides instructions for accessing files from Windows, Mac and Tablets.

### File Sharing

Using File Sharing you can share files stored on your microSD card with connected devices, like your laptops and tablets.

**File Sharing**

Insert a microSD card to share files.

**ON**

microSD card status: Available

microSD Card Storage  
 3.6 GB of 3.7 GB remaining

**Accessing Shared Files**

Look for this name in the network: MiFi2

**Windows**  
Click the Windows Start button and select Computer. The microSD card will appear under 'Networks'. If it does not appear, go to Start and type in \\MiFi2

If prompted for a user name type in guest. Do not enter a password.

**Mac OS X**  
The microSD card will appear automatically under the 'shared' menu in the finder.

**iOS, Android, and other Mobile Devices**  
Files may be viewed and downloaded from a connected device via the web browser by going to <http://my.mifi/files>

## **View Files**

The View Files section allows you to view all files on the microSD card installed in the MiFi 2.

The screenshot shows a web-based file sharing interface titled "File Sharing". At the top, there are two tabs: "Settings" and "View Files", with "View Files" being the active tab. Below the tabs, a message reads: "View the files on the microSD™ card inserted in this MiFi device." Underneath this message, it says "Current Folder /". A table lists the files in the current folder:

File Name	Last Modified	Size (KB)
Albino.mp3	2012-Oct-05 22:04:36	4445.9
Allemande.mp3	2012-Oct-05 22:05:20	4972.9
Dry Tortugas	2012-Oct-05 22:18:00	
Ellis Island.zip	2012-Oct-05 22:02:04	22155.7
Texas_Bluebonnets.pps	2012-May-16 21:14:02	2139.5
Screenshots	2012-Jul-18 21:47:24	
Sarabande.mp3	2012-Oct-05 22:05:58	5345.1
Wildlife	2012-Oct-05 22:18:22	

To view or download and save files on the microSD:

- ① Click on the folder name to display all files in the folder.
- ② Click on the desired file to view an image of the file, or to download and save.

# GPS

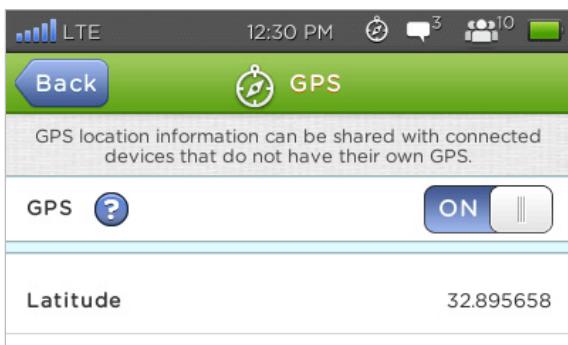
The GPS page allows you to enable GPS and to enable GPS over Wi-Fi (NMEA). The GPS receiver on the MiFi 2 can determine your current location, often even indoors.

## On the MiFi 2 Touchscreen

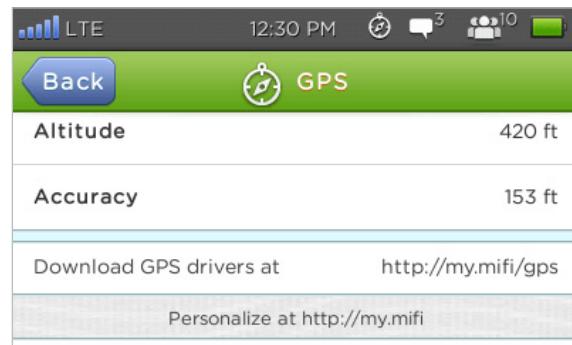
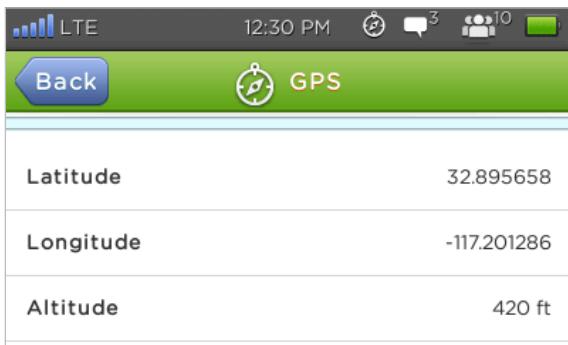
- 1 Tap the **GPS** icon  to display the GPS page.



- 2 To accept the GPS Privacy Agreement and enable GPS, slide the ON/OFF button to **ON**.



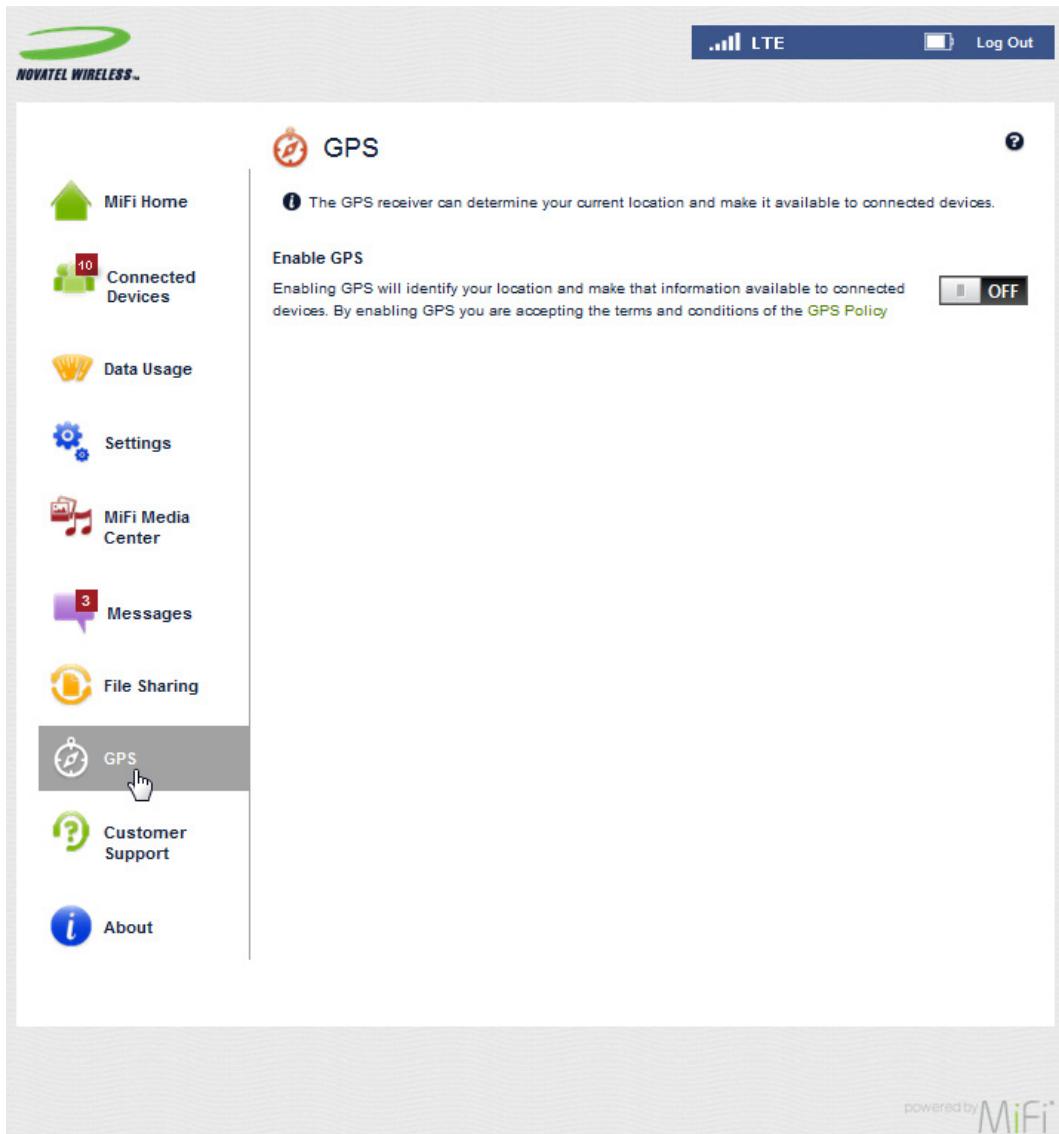
- 3 Scroll to the lower part of the page to view all current GPS location details.



# On the MiFi 2 Web Interface

To access the GPS page, click **GPS** on the Navigation panel. The GPS page contains the following:

- **Enable GPS** (See [Enable GPS](#) on page 87.)
- **Current Position**
  - **GPS Over Wi-Fi**
  - **Port Number**
- **Download Enable GPS Over Wi-Fi Drivers**



# Enable GPS

To enable GPS and GPS over Wi-Fi:

- ① Slide the Enable GPS ON/OFF button to **ON**.
- ② Click the **Enable GPS over Wi-Fi** check box.
- ③ Click **Save Changes** to activate and save your selections.

## GPS

The GPS receiver can determine your current location and make it available to connected devices.

### Enable GPS

Enabling GPS will identify your location and make that information available to connected devices. By enabling GPS you are accepting the terms and conditions of the [GPS Policy](#)

**ON**

### Current position:

Map Satellite

Latitude: 32.8957 Altitude: 291 ft

Longitude: -117.201 Accuracy: 85 ft

### GPS over Wi-Fi (NMEA)

Enable GPS over Wi-Fi:

GPS over Wi-Fi provides GPS location information to connected devices. Existing GPS-enabled applications on the connected devices can use this information.

Port number: 11010

[Download GPS over Wi-Fi Drivers](#)

**Save Changes**

**NOTE** - You must download and install the GPS Over Wi-Fi Drivers to create a virtual NEMA (GPS) port on your computer before you can use the GPS Over Wi-Fi feature.

To download GPS Over Wi-Fi Drivers:

- ① Click **Download GPS Over Wi-Fi Drivers.**



A Help page displays a download overview and links to the available downloads.

- ② Click the appropriate link to download the driver to your computer.

**Downloads**

**Overview**

Driver download and installation is needed to use the GPS over Wi-Fi feature. This driver will create a virtual NMEA (GPS) port on your computer. The NMEA (GPS) data is obtained from the MiFi device, and provided to GPS applications as if you had a GPS receiver attached to your computer.

**Available Downloads**

**Windows**

This driver provides support for the GPS over Wi-Fi feature on all versions of Windows. For Windows XP, it also provides Ethernet (TCP/IP) over USB, allowing Internet access via the MiFi device when connected over a USB cable.

For Windows Vista and later, Ethernet (TCP/IP) over USB is supported natively, and no driver is needed.

**Macintosh**

This driver creates the virtual NMEA (GPS) port used by the GPS over Wi-Fi feature.

**Linux**

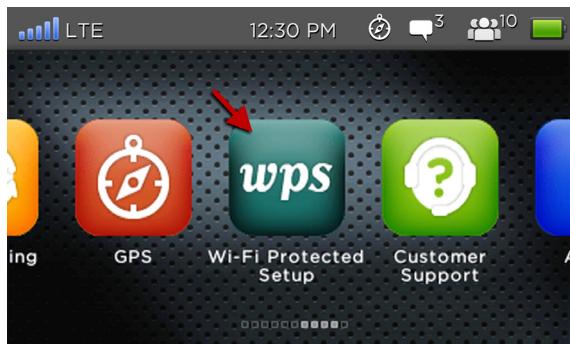
This driver creates the virtual NMEA (GPS) port used by the GPS over Wi-Fi feature.

# Wi-Fi Protected Setup

The Wi-Fi Protected Setup application allows you to set up WPS (Wi-Fi Protected Setup) on your MiFi 2 to easily connect to other WPS-enabled devices.

## On the MiFi 2 Touchscreen

- 1 Tap the **Wi-Fi Protected Setup** icon  to display the Wi-Fi Protected Setup page.



- 2 To enable WPS, slide the ON/OFF button to **ON**. Wi-Fi must be restarted and existing connections may be briefly interrupted.



- 3 To enable the WPS Push button method, tap **WPS Push button method >**. Find and push the WPS button on your connecting device.



- ④ To enable the WPS PIN method, tap **WPS PIN method >**. Find the WPS PIN on your connecting device, then click **Enter WPS PIN**.

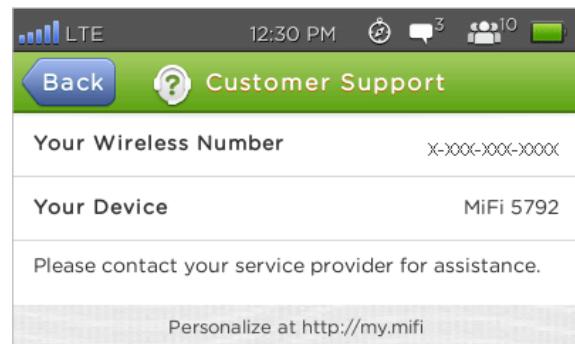


# Customer Support

The Customer Support page displays your wireless number and device model.

## On the MiFi 2 Touchscreen

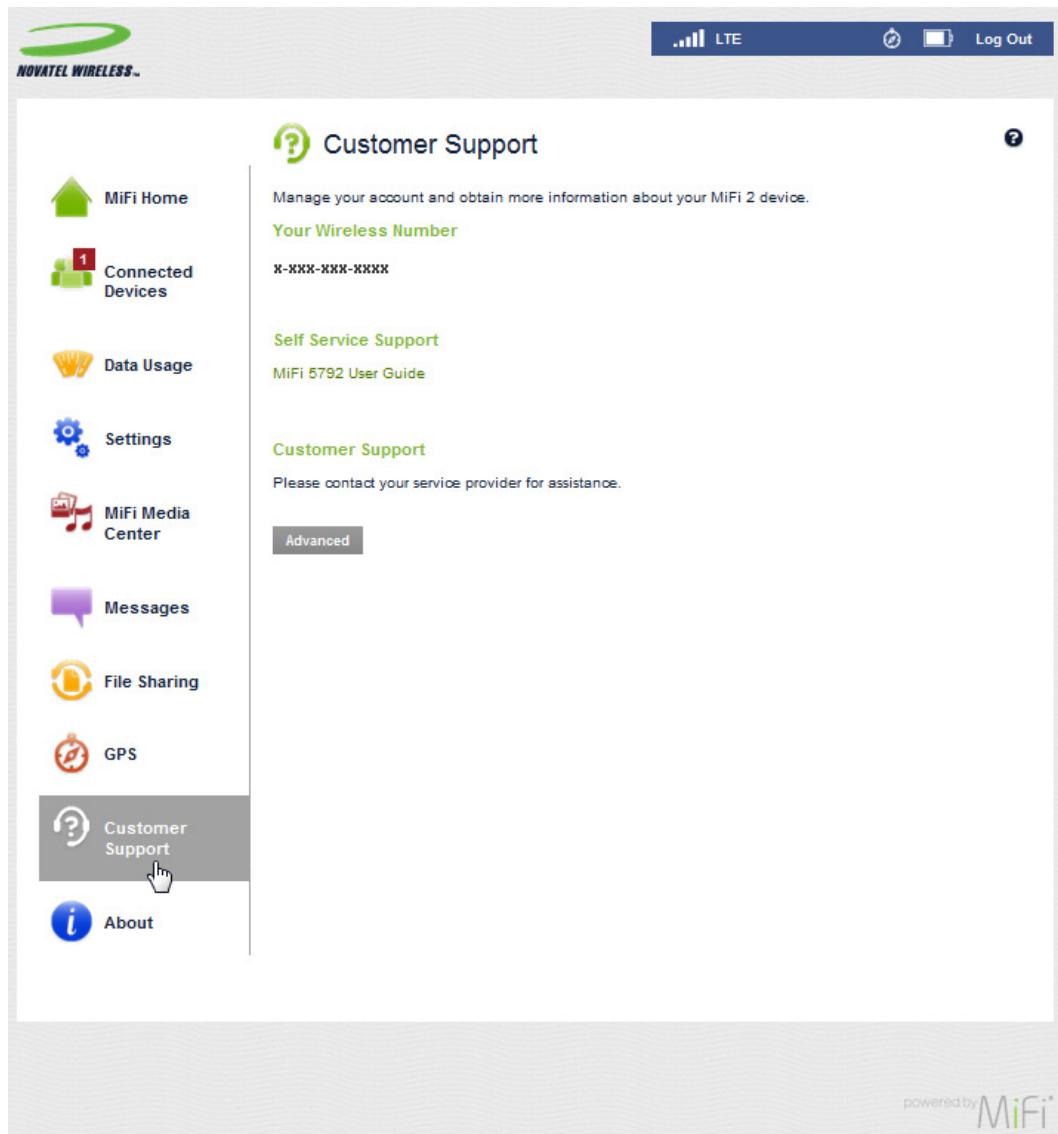
Tap the **Customer Support** icon  to display the Customer Support page, and display your wireless number and your device name. For additional Customer Support options, contact your service provider.



# On the MiFi 2 Web Interface

To access the Customer Support page, click **Customer Support** on the Navigation panel. The Customer Support page contains the following:

- **Your Wireless Number** — displays your wireless number.
- **Self Service Support** — refers to the MiFi 2 User Guide..
- **Customer Support** — refers you to your service provider for assistance.
- **Advanced** — takes you to the Advanced Support page where you can enter the code provided to you by your service provider and unlock your device.

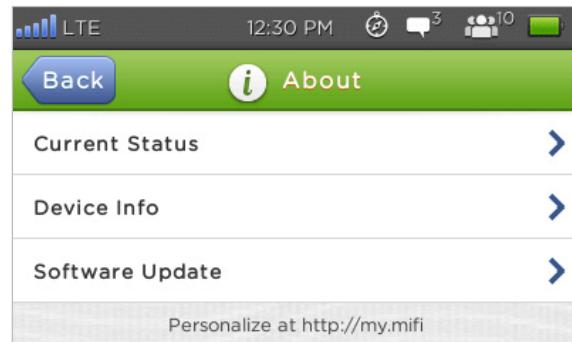
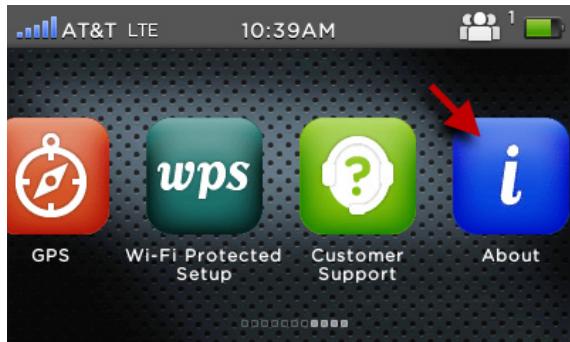


# About

The About application allows you to view current status, device information, and software updates.

## On the MiFi 2 Touchscreen

- 1 Tap the **About** icon  to display the About page.



- 2 Tap **Current Status >** to display the network , network status, technology, signal strength, MiFi media center, file sharing, and GPS status details.

Current Status	
Network	AT&T
Network Status	Dormant
Technology	LTE
Signal Strength	-67

Current Status	
MiFi Media Center	ON
File Sharing	ON
GPS	Acquired

- 3 Tap **Device Info >** to display your wireless number, the device manufacturer, model number, IMEI, SIM#, and software version.

Device Info	
Wireless Number	X-XXXX-XXXX-XXXX
Manufacturer	Novatel Wireless, Inc.
Model Number	MiFi 5792
IMEI	X00000000000000X

Device Info	
IMEI	X00000000000000X
SIM Number	X000000000000000X
Software Version	1.0 (L1.44.6 M1.44.6)

- ⑤ Tap **Software Update** > to display the current software version, last update, and to **Check for Updates**.



# On the MiFi 2 Web Interface

To access the About page, click **About** on the Navigation panel. The About page contains the following.

- **Current Status** (See [Current Status](#) on page 96.)
- **Device Info** (See [Device Info](#) on page 98.)
- **Diagnostics** (See [Diagnostics](#) on page 99.)
- **Logs** (See [Logs](#) on page 101.)
- **Software Update** (See [Software Update](#) on page 95.)

The screenshot shows the 'About' page of the Novatel MiFi 2 web interface. The top navigation bar includes icons for signal strength (LTE), battery level, and a 'Log Out' button. The left sidebar lists various device management options: MiFi Home, Connected Devices (10), Data Usage, Settings, MiFi Media Center, Messages (3), File Sharing, GPS, Customer Support, and the current page, 'About'. The main content area is titled 'About' and contains three sections: 'Internet Status', 'Wi-Fi', and 'Device'. The 'Internet Status' section provides details like Connection status (Dormant), Network name (XXXX), Technology (LTE), and various data transfer metrics. The 'Wi-Fi' section shows the Wi-Fi network name (MIFI2-XXXX), security (WPA2PSK), password, channel, mode, and connection statistics. The 'Device' section displays information about microSD card usage, file sharing, MiFi Media Center, and GPS status. At the bottom are buttons for 'Restart Device' and 'Shutdown Device'. A 'powered by MiFi' logo is at the bottom right.

**Internet Status**

Connection status:	Dormant
Network name:	XXXX
Technology:	LTE
Connection time:	00:01:30:32
Data sent:	232.48 KB
Data received:	27.12 KB
IP address:	XX.XXX.XXX.XXX
Subnet mask:	XXX.XXX.XXX.XXX
Gateway:	XX.XXX.XXX.XXX
DNS:	XXX.XX.XX.X

**Wi-Fi**

Wi-Fi network name (SSID):	MIFI2-XXXX
Wi-Fi security:	WPA2PSK
Wi-Fi password (key):	XXXXXXXX
Channel:	1
Wi-Fi mode:	BGN
Connected devices:	1
Maximum devices allowed:	10

**Device**

microSD card:	Available
Total space:	3.73 GB
Available space:	3.62 GB
File Sharing:	On
MiFi Media Center:	On
GPS status:	Acquired

**Buttons**

- Restart Device
- Shutdown Device

powered by **MiFi**

# Current Status

The Current Status section displays the following:

- **Internet Status** (See [Internet Status](#) on page 96.)
- **Wi-Fi** (See [Wi-Fi](#) on page 96.)
- **Device** (See [\(See Device on page 97.\)](#).)

## *Internet Status*

- **Connection Status** — displays the connection status for the Internet connection and indicates if an error condition exists.
- **Network Name** — network to which the MiFi 2 is currently connected.
- **Technology** — network technology used for the current connection.
- **Connection Time** — the period of time that has elapsed since the current session started.
- **Data Sent** — the amount of data transmitted during the current Internet session. Each session restarts from zero.
- **Data Received** — the amount of data received for the current Internet session. Each session restarts from zero.
- **IP Address** — the IP address assigned to the MiFi 2.
- **Subnet Mask** — the network mask associated with the IP address of the MiFi 2.
- **Gateway** — the gateway IP address associated with the IP address of the MiFi 2.
- **DNS** — the Domain Name Server currently used by the MiFi 2.

## *Wi-Fi*

- **Wi-Fi Network Name (SSID)** — name of the network (SSID) that you are connected to.
- **Wi-Fi Security** — security type for the current profile.
- **Wi-Fi Password (Key)** — the network key (Wi-Fi Key, password) for the wireless network.
- **Channel** — channel that is being used.
- **Wi-Fi Mode** — current wireless mode.
- **Connected Devices** — clients that are currently connected to the device.
- **Maximum Devices Allowed** — maximum number of clients that are allowed to connect to the device.

## *Device*

- **microSD Card** — indicates whether the microSD card is available.
- **Total Space** — indicates the size of the microSD card.
- **Available Space** — indicates how much free space is available on the microSD card.
- **File Sharing** — indicates if File Sharing is enabled or disabled.
- **MiFi Media Center** — indicates if the MiFi Media Center is enabled or disabled.
- **GPS Status** — shows the current status of the GPS receiver.

## Device Info

The Device Info section displays the following:

- **Manufacturer** — the manufacturer of the MiFi 2 device.
- **Model** — the official model name and number for the MiFi 2 device.
- **MiFi 2 Software Version** — the currently installed version of MiFi 2 software.
  - **MiFi OS Version** — the currently installed version number for the OS (Operating System) and its components.
  - **Modem FW Version** — the currently installed version of the firmware used to control the MiFi's 4G modem function.
  - **Wi-Fi FW Version** — the currently installed version of the Wi-Fi firmware.
  - **Web UI Version** — the currently installed version of the MiFi 2 Web Interface.
  - **LCD UI Version** — the currently installed version of the software controlling the LCD touchscreen.
  - **PRI Version** — the current configuration version applied to the MiFi 2.

The screenshot shows the 'About' page of a MiFi 2 device. The 'Device Info' tab is selected, highlighted with a blue border and a hand cursor icon. The page displays the following information:

Setting	Value
Manufacturer:	Novatel Wireless, Inc.
Model:	MiFi 5792
MiFi Software Version:	1.0 (L1.44.6 M1.44.6)
MiFi OS version:	1.44.6
Modem FW version:	MDM9X15-1.44.6.1 [2013-02-15 22:59:40]
Wi-Fi FW version:	3.1.1.826
Web UI version:	1.44.6.0000
LCD UI version:	1.44.6.0000
PRI version:	PRI.90026776 REV 114 MIFI5792 BELL

MiFi, the MiFi logo, Novatel Wireless and the Novatel Wireless logo are trademarks or registered trademarks of Novatel Wireless, Inc.

# Diagnostics

The Diagnostics section displays the following:

- **Modem** (See [Modem Status](#) on page 97.)
- **HSPA Status** (See [HSPA Status](#) on page 100.)
- **LTE Status** (See [4G LTE Status](#) on page 94.)

**NOTE** - Diagnostics details are used only for troubleshooting and technical support.

The screenshot shows the 'About' screen with the 'Diagnostics' tab selected. A note at the top states: 'This detailed information is used only for troubleshooting and technical support.' Below are sections for Modem, HSPA Status, and LTE Status, each listing various device and network parameters.

**Modem**

Phone number (MDN):	X-XXX-XXX-XXXX
IMEI:	XXXXXXXXXXXXXXXXXX
IMSI:	XXXXXXXXXXXXXXXXXXXXXX
FW version:	MDM9X15-1.44.6.1 [2013-02-15 22:59:40]
SIM status:	Ready
ICCID:	XXXXXXXXXXXXXXXXXXXX

**HSPA Status**

Status:	Not available
Technology:	
Network ID:	XXXXXX
Cell ID:	
RSSI:	
Roaming:	

**LTE Status**

Status:	Available
Signal strength:	-63dBm
SNR:	-18
Roaming:	None

## **Modem**

- **Phone number (MDN)** — the wireless telephone number for the MiFi 2. This number changes if the SIM is changed.
- **IMEI** — the International Mobile Equipment Identity (IMEI) for this device. This number does not change when the SIM is changed.
- **IMSI** — the International Mobile Subscriber Identity (IMSI) is a unique identification associated with all GSM, UMTS and LTE mobile subscribers. It is stored in the SIM and changes if the SIM is changed.
- **Wireless Number** — the wireless telephone number for the MiFi 2. This number changes if the SIM is changed.
- **FW Version** — the current version of firmware installed on the MiFi 2.
- **SIM Status** — indicates current status of the SIM card.
- **ICCID** — the unique identification number assigned to the SIM card. It does not display if there is no SIM installed, or a SIM error condition exists.

## **HSPA Status**

- **Status** — refers to 4G HSPA and all preceding technologies. The following states are supported: disabled, not available, available.
- **Technology** — displays current technology in use for the GSM/WCDMA/HSPA network.
- **Network ID** — the name or ID of the GSM/WCDMA/HSPA network.
- **Cell ID** — identifies the cell tower currently in use.
- **RSSI** — displays the RSSI measure of signal strength in decibels. This is always a negative number, and higher absolute values indicate a stronger signal.
- **Roaming** — indicates if the current connection is a roaming connection.

## **LTE Status**

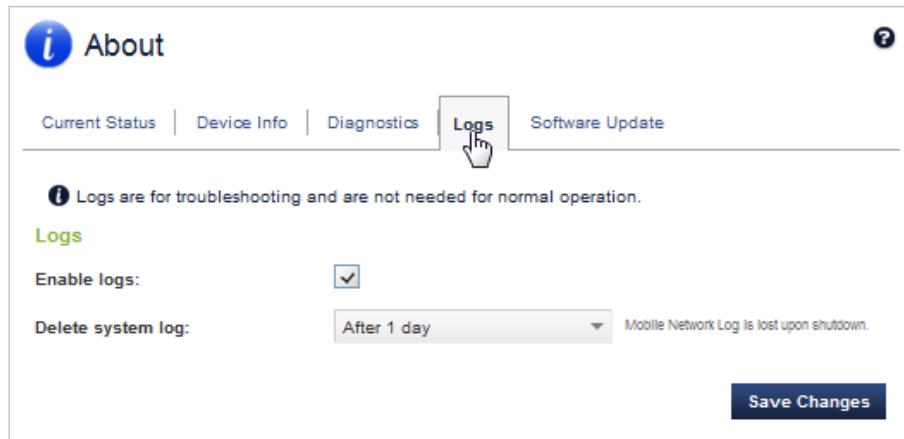
- **Status** — displays current LTE network status. Possible status values are disabled, not available, or available.
- **Signal Strength** — indicates the strength of the LTE signal. This is always a negative number, and higher absolute values indicate a stronger signal.
- **SINR** — indicates the signal quality. Higher numbers indicate a better signal.
- **Roaming** — indicates if the current connection is a roaming connection.

# Logs

The Logs section displays the following:

- **Enable logs** — allows you to enable the logs as needed.
- **Delete system log** — deletes all existing log data.

**NOTE** - Logs are used only for troubleshooting and not needed for normal operation.

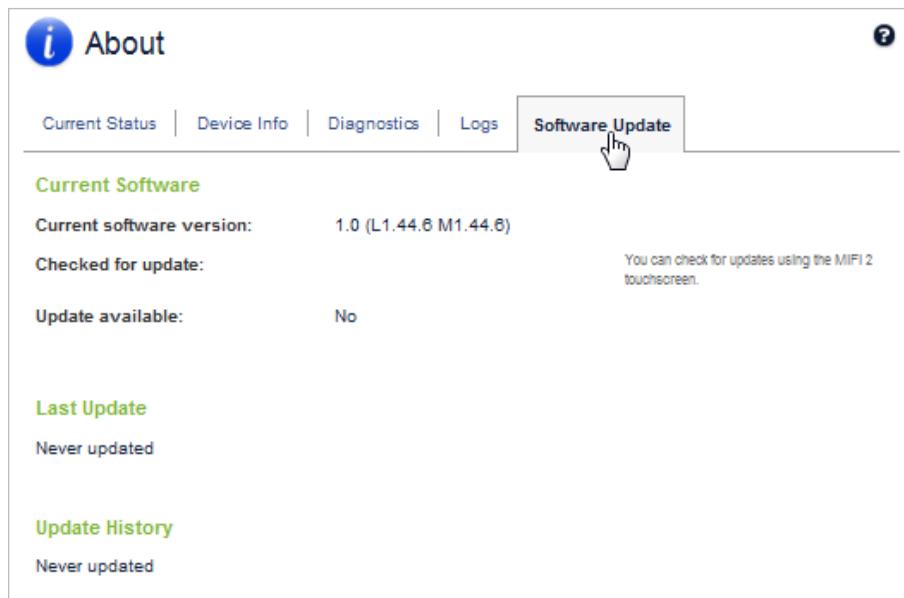


Click **Save Changes** to activate and save your selections.

# Software Update

The Software Update section displays the following:

- **Current Software** — displays the current version of software installed, last check for updates, and any updates available. If an update is available it is automatically downloaded and you will be prompted on the MiFi 2 touchscreen to install it.
- **Last Update** — displays the details of the last update installed.
- **Update History** — displays the details of all updates that have been downloaded and installed.



# 3

## Troubleshooting

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Overview  
**Common Problems and Solutions**  
Using the Master Reset Button

# Overview

When properly set up, your MiFi 2 is a highly reliable product.

- Ensure that you are in the coverage area.
- Ensure you have an active subscription plan.
- Ensure the SIM card is correctly installed.
- Restarting your computer and your MiFi device can resolve many issues.
- Ensure the battery is fully charged.

---

**IMPORTANT** Before contacting support, be sure to restart your computer and restart your device.

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# Common Problems and Solutions

Before you read on, all of the steps mentioned here are given in more detailed form elsewhere in the user guide. When a reference is given, click the link to go to more detailed information.

The following are some common problems and solutions.

## **The MiFi 2 touchscreen status bar displays no service available.**

- ▶ Ensure that you are in the coverage area.
- ▶ Ensure you have an active rate plan.
- ▶ Ensure the SIM card is correctly installed.
- ▶ Restarting your MiFi 2 can resolve many issues.
- ▶ If you are inside a building or near a structure that might block the signal, change the position or location of the device. For example, try moving your MiFi 2 close to a window.

## **The device has no power.**

The MiFi 2 does not turn on when the **Power** button is pressed.

- ▶ Ensure the battery is properly seated in the device.
- ▶ Ensure the battery is fully charged. Plug in the A/C charger for at least four hours.

## **I forgot my password.**

- ▶ Tap **Connection Info** on the MiFi 2 touchscreen to find your Wi-Fi Network Name (SSID) and Password, and your MiFi 2 Web Interface Password.
- ▶ You can reset the device to factory defaults using the **Master Reset** button. See [Using the Master Reset Button](#) on page 109.

## **I cannot connect to my MiFi 2.**

- ① Make sure the MiFi 2 is powered on.
- ② Make sure your Windows PC Wi-Fi / Mac AirPort is turned on. (Check your computer's Help if you need assistance.)
- ③ Open your wireless network connection list.
  - **Windows:** Right-click the wireless icon and select **View Available Networks**.
  - **Mac:** Click the AirPort icon in the menu bar and pull down the list of networks.

- ④ Select the MiFi 2's Wi-Fi network name.

**Windows:** Click **Connect**.

**Mac:** Connects automatically after you select the MiFi 2's network name and enter the Wi-Fi password.

When your computer is connected to your MiFi 2, the MiFi 2 touchscreen will display the message "Connected Devices: A device has connected to the MiFi 2." The number of connected devices will also display on the status bar of the touchscreen

## **My network does not appear in the wireless network list.**

- Verify that the MiFi 2 is powered on.
- Refresh your network list.
  - **Windows:** Click the refresh button  on the upper right corner of the Wireless Network Connection page. If that does not work you can try the following:
    1. Open **Network Connections**.
    2. Right-click **Wireless Network Connection** and select **Properties**.
    3. Click the **Wireless Networks** tab.
    4. Delete any unused wireless connections from the **Preferred Networks** list and click **OK**.
    5. Restart your computer.
  - **Mac:** Click the AirPort icon in the menu bar and select **Turn AirPort Off**. Then click it again and select **Turn AirPort On**.

## **I can connect to my MiFi 2 but I cannot connect to the Internet.**

- Check the user name, password, and access point name (APN) in your connection profile. If any of these are wrong, you cannot connect to the network.

## **I see the network name but I cannot connect to my MiFi 2.**

- Check that you are connecting to your MiFi 2 device. If another MiFi 2 device is in the area, you may be trying to connect to the wrong MiFi 2 device.
- If your MiFi device has a Wi-Fi password, check that you entered the correct password.

## **How do I disconnect from the network?**

- From the MiFi 2 touchscreen:
  1. Hold the power button until the **Shut Down** message displays.
  2. Tap **Yes** to shut down the MiFi 2 device and disconnect from the network.

## **How can I find out how many users are connected to my MiFi device?**

- From the MiFi 2 touchscreen:
  - Check the **Connected Devices** icon  on the status bar at the top of the touchscreen. The number of connected devices displays to the right of the icon. You can also swipe the carousel to display the **Connected Devices** icon  and the number of connected devices.

## **Where can I find information about Internet connectivity and my Wi-Fi setup?**

- Tap **About > Current Status** on the MiFi 2 touchscreen.

## **How do I check the wireless number, model number and firmware versions of my MiFi 2?**

- From the MiFi 2 touchscreen:
  - Tap the **About** icon , then tap **Device Info >** to display your wireless number, manufacturer, model number, IMEI, SIM# and software version.
- From the MiFi 2 Web Interface:
  - Select **About > Device Info** to display the manufacturer, model number and MiFi 2 software version details.

## **How can I check the battery level of my MiFi 2?**

- From the MiFi 2 touchscreen:
  - Check the Battery status icon  displayed on the status bar at the top right side of the touchscreen. A warning message displays when the remaining battery charge reaches 10%, and the battery icon turns red to indicate that the battery needs to be recharged.
- From the MiFi 2 Web Interface:
  - Check the Battery status icon  displayed on the status bar at the top right side of any page.

## **Where can I find my IMEI number?**

- From the MiFi 2 touchscreen:
  - Tap the **About** icon , then tap **Device Info >** to display the IMEI number.
- From the MiFi 2 Web Interface:
  - Select **About > Diagnostics** to display the Modem Status section which includes the IMEI number.

## **How do I check the available space on the microSD card?**

- From the MiFi 2 touchscreen:
  - Tap the **File Sharing** icon  . The microSD storage information displays above the counter at the bottom of the page.
- From the MiFi 2 Web Interface:
  - Select **File Sharing > Settings**. The microSD storage information displays under the microSD Card Status section.

## **How do I turn off my MiFi device?**

1. Press and hold the **Power** button until the **Shut Down** message displays.
2. Tap **Yes**.

## **What is the default Web Interface Password?**

- The default Web Interface Password is **admin**.

## **How do I access information on the Wi-Fi network and Wi-Fi clients?**

- From the MiFi 2 touchscreen:
  1. Tap the **Connected Devices** icon  to display the Connected Devices page showing all devices currently connected to or blocked from your MiFi 2.
  2. Tap the name of a specific connected device to display the device type, time connected, MAC address, and IP address for that device.
- From the MiFi 2 Web Interface:
  - Select **Connected Devices** from the MiFi 2 Web Interface Navigation panel to display all devices currently connected to or blocked from your MiFi 2, including IP and MAC address details.

## **I am having trouble connecting to my office VPN.**

- From the MiFi 2 Web Interface:
  1. Select **Settings > Advanced Settings > Firewall**.
  2. Slide the VPN Passthrough ON/OFF button to **ON**.

## **My MiFi device keeps going to sleep after a period of time when I'm idle.**

This is a customizable setting which allows you to adjust the period of inactivity before the device turns off in order to conserve battery life.

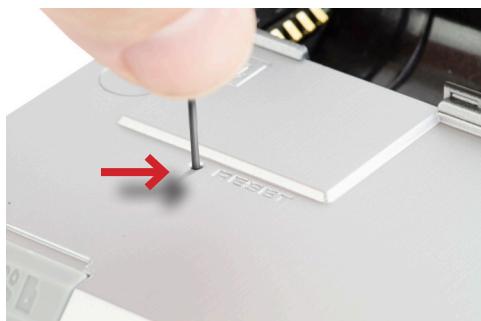
- From the MiFi 2 Web Interface:
  1. Select **Settings > Device Settings > Preferences > Automatic Shutdown**.
  2. Select **Never** from the drop down menu to disable Automatic Shutdown.

# Using the Master Reset Button

Your MiFi 2 comes with a master reset button that allows you to return it to its factory default state.

The master reset button is recessed in a hole on the back of the device. You need a paper clip or similar object to push the button.

- ① Make sure your MiFi 2 is powered on.
- ② Locate the master reset button on the back of the device directly below the raised SIM card section.



- ③ Insert a paper clip into the hole and hold the button down for five (5) seconds.  
Your list of wireless networks now shows the original default network when you first configured your device.
- ④ Connect to your MiFi 2 again and re-configure it. Your pre-configured profile information stays the same, but for any custom profiles you have to enter your APN and other information again.

# Technical Support

## Customer Service

Contact your service provider for assistance.

When calling, you may be asked for the wireless number of your MiFi 2. Your MiFi 2's wireless number can be found on the device by tapping  **Customer Support**, or on the MiFi 2 Web Interface by going to **Customer Support**.

# 4

## Product Specifications and Regulatory Information

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**Product Specifications  
Regulatory  
Safety Hazards  
Proper Battery Use and Disposal  
Limited Warranty and Liability**

# Product Specifications

## General

Name:	MiFi® 2 Intelligent Mobile Hotspot by Novatel Wireless
Model:	MiFi 5792
Approvals:	FCC, PTCRB, DLNA, RoHS, WEEE
Weight:	120 g (4.26 oz)
Dimensions:	102.9 x 73.1 x 8.6 mm (4.05 x 2.88 x 0.34 in)
Wireless Network:	LTE, HSPA+, EDGE, GPRS
Wireless Network - Wi-Fi Mode:	802.11b/g/n
Default SSID:	MIFI2-XXXX
Battery:	Rechargeable, lithium ion battery
- Size:	2900 mAh
- Time Required to Full Charge:	4 hrs
- Life:	Up to 11 hrs
Chipset:	QUALCOMM 9215
Interface Type:	USB
microSD/SDHC:	Up to 32 GB

## Display

Touchscreen:	TFT color display
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## Technology/Bands

Dual-band LTE:	700 MHz and AWS (1700/2100 MHz)
Tri-band DC HSPA+/HSPA+/HSPA/UMTS:	850/1900/2100 MHz
Quad-band EDGE/GPRS:	850/900/1800/1900 MHz

## Environmental

Operating Temperature:	-20 ° C to +60° C (-4° F to 140° F)
Storage Temperature:	-20° C to 60° C (-4° F to 140° F)
Drop:	1 meter (3.28 feet) drop, no damage – fully operational
Vibration Stability:	5 Hz to 500 Hz, 0.1 octave/second

# Regulatory

## **Federal Communications Commission Notice (FCC – United States)**



Electronic devices, including computers and wireless modems, generate RF energy incidental to their intended function and are therefore subject to FCC rules and regulations.

This equipment has been tested to, and found to be within the acceptable limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment.

This equipment generates radio frequency energy and is designed for use in accordance with the manufacturer's user manual. However, there is no guarantee that interference will not occur in any particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 the 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/television technician for help.

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules and Industry Canada ICES-003 for EMI compliance. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** DO NOT ATTEMPT TO SERVICE THE WIRELESS COMMUNICATION DEVICE YOURSELF. SUCH ACTION MAY VOID THE WARRANTY. THE MiFi 5792 MODEM IS FACTORY TUNED. NO CUSTOMER CALIBRATION OR TUNING IS REQUIRED. CONTACT NOVATEL WIRELESS TECHNICAL SUPPORT FOR INFORMATION ABOUT SERVICING YOUR WIRELESS COMMUNICATION DEVICE.

**FCC CAUTION:** Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**MODIFICATIONS:** The FCC requires that you be notified that any changes or modifications made to this device that are not expressly approved by Novatel Wireless, Inc. may void your authority to operate the equipment.

**NOTE:** The Radio Frequency (RF) emitter installed in your modem must not be located or operated in conjunction with any other antenna or transmitter, unless specifically authorized by Novatel Wireless Technologies.

### **RF CONTENT**

#### **FCC EQUIPMENT AUTHORIZATION ID: PKRNVWMIFI5792**

This device is authorized for use in mobile and portable applications. At least 10 mm (0.4 inches) of separation between the MiFi device and the user's body must be maintained at all times.

This product has been evaluated for SAR and meets the FCC Guidelines for exposure to radio waves.

# Safety Hazards

Do not operate your MiFi 2 device in an environment that may be susceptible to radio interference resulting in danger, specifically:

## ***Areas where prohibited by the law***

Follow any special rules and regulations and obey all signs and notices. Always turn off your MiFi 2 device (or the host device and remove the modem from the USB port) when instructed to do so, or when you suspect that it may cause interference or danger.

## ***Where explosive atmospheres may be present***

Do not operate your modem in any area where a potentially explosive atmosphere may exist. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Be aware and comply with all signs and instructions.

Users are advised not to operate the modem while at a refueling point or service station. Users are reminded to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. Potential locations can include gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

## ***Near medical and life support equipment***

Do not operate your device around medical equipment, life support equipment, or near any equipment that may be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The device may transmit signals that could interfere with this equipment.

## ***On an aircraft, either on the ground or airborne***

In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Please ensure that your MiFi 2 device (or the host device) is turned off and if in USB Mode, your modem is removed from the USB port prior to boarding aircraft in order to comply with these regulations. The modem can transmit signals that could interfere with various onboard systems and controls.

## ***While operating a vehicle***

The driver or operator of any vehicle should not operate a wireless data 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 countries, operating such communications devices while in control of a vehicle is an offense.

## ***Electrostatic discharge (ESD)***

Electrical and electronic devices are sensitive to electrostatic discharge (ESD). Macintosh native connection software might attempt to reinitialize the device should a substantial electrostatic discharge reset the device. If the software is not operational after an ESD occurrence, then restart your computer.

# Proper Battery Use and Disposal

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**CAUTION!** Never dispose of batteries in a fire because they might explode:

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**WARNING!** In the event of a battery leak:

- Do not allow the liquid to come in contact with the skin or the eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
  - Seek medical advice immediately if a battery has been swallowed.
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Contact your local recycling center for proper battery disposal.

## Guidelines for Safe and Responsible Battery Use

- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Do not modify or remanufacture, attempt to insert foreign object into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Only use the battery for the system for which it was specified.
- Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic or conductive object to contact the battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard. Use of an unqualified battery may present a risk of fire, explosion, leakage, or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the device or battery. If the device or the battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion, or other hazard.

# Limited Warranty and Liability

Novatel Wireless, Inc. warrants for the 12 month period immediately following receipt of the Product by Purchaser that the Product will be free from defects in material and workmanship under normal use. THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The exclusive remedy for a claim under this warranty shall be limited to the repair or replacement, at Novatel Wireless' option, of defective or non-conforming materials, parts or components. The foregoing warranties do not extend to (I) non conformities, defects or errors in the Products due to accident, abuse, misuse or negligent use of the Products or use in other than a normal and customary manner, environmental conditions not conforming to Novatel Wireless' specification, of failure to follow prescribed installation, operating and maintenance procedures, (II) defects, errors or nonconformity's in the Product due to modifications, alterations, additions or changes not made in accordance with Novatel Wireless' specifications or authorized by Novatel Wireless, (III) normal wear and tear, (IV) damage caused by force of nature or act of any third person, (V) shipping damage, (VI) service or repair of Product by the purchaser without prior written consent from Novatel Wireless, (VII) products designated by Novatel Wireless as beta site test samples, experimental, developmental, reproduction, sample, incomplete or out of specification Products, or (VIII) returned products if the original identification marks have been removed or altered.

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## Glossary

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Glossary

# Glossary

- **802.11 (b, g, n)** — A set of WLAN communication standards in the 2.4, 3.6 and 5 GHz frequency bands.
- **Access Point** — A device that allows wireless communication devices to connect to a wireless network using a standard such as Wi-Fi.
- **APN** — Access Point Name. The APN is an alphanumeric string that identifies the particular network service that is being accessed. These are used by GPRS and UMTS networks.
- **bps** — bits per second. The rate of data flow.
- **Broadband** — High-capacity high-speed, transmission channel with a wider bandwidth than conventional modem lines. Broadband channels can carry video, voice, and data simultaneously.
- **DHCP** — Dynamic Host Configuration Protocol. Software found in servers and routers that automatically assigns temporary IP addresses to clients logging into an IP network.
- **DHCP Server** — A server or service with a server that assigns IP addresses.
- **DNS** — Domain Name System. A system for converting host names and domain names into IP addresses on the Internet or on local networks that use the TCP/IP protocol.
- **ESN** — Electronic Serial Number. A unique 32-bit number embedded in a wireless device that identifies the device.
- **Firewall** — A hardware or software boundary that protects a network or single computer from unwanted outside traffic.
- **Firmware** — A computer program embedded in an electronic device. Firmware usually contains operating code for the device.
- **FTP** — File Transfer Protocol. A network protocol for exchanging files over a TCP network.
- **Gateway** — A network point that acts as an entrance to another network that uses a different protocol.
- **GSM** — Global System for Mobile communication. A digital mobile telephony system widely used in Europe and other parts of the world. GSM was first launched in 1991 and is the most widely used of the three digital wireless telephony technologies (TDMA, GSM, and CDMA). GSM uses a variation of TDMA.
- **GPS** — Global Positioning System. A radio-based navigation system that allows users to determine their location. The device uses satellite data to calculate its position. Commonly used in mapping and navigation systems.
- **Host Name** — The unique name by which a network-attached device is known on a network.
- **Hotspot** — A Wi-Fi (802.11) access point or the area covered by an access point. Used for connecting to the Internet.
- **Hot-Swappable** — The ability to safely remove and replace a component (for example, a memory card or USB device) from a device or computer while it is powered on.
- **HTTP** — Hypertext Transfer Protocol. An application-level protocol for accessing the World Wide Web

- **ICCID** — Integrated Circuit Card Identification. A serial number stored in and engraved or printed on a SIM card that internationally identifies the card.
- **IMEI** — International Mobile Equipment Identity. Used in GSM networks to identify the device. It is usually printed on the device and can often be retrieved using a USSD code.
- **IMSI** — International Mobile Subscriber Identity. Used in GSM networks to identify the subscriber. Usually embedded in the SIM.
- **IP** — Internet Protocol. The mechanism by which packets are routed between computers on a network.
- **IP Type** — The type of service provided over a network.
- **IP address** — Internet Protocol address. The address of a device attached to an IP network (TCP/IP network).
- **ISP** — Internet Service Provider. Also referred to as the service carrier, an ISP provides Internet connection service. (See Network Operator)
- **Kbps** — Kilobits per second. The rate of data flow.
- **LAN** — Local Area Network. A type of network that lets a group of computers, all in close proximity (such as inside an office building), communicate with one another. It does not use common carrier circuits though it can have gateways or bridges to other public or private networks.
- **MAC Address** — Media Access Control. A number that uniquely identifies each network hardware device. MAC addresses are 12-digit hexadecimal numbers.
- **MEID** — Mobile Equipment Identifier. A globally unique number for a physical piece of mobile station equipment.
- **Mbps** — Megabits per second.
- **microSD / microSDHC** — A small, removable flash memory card available in various storage sizes. Some products have a slot that allows them to utilize this external memory.
- **MSID** — Mobile Station Identifier. A number for a mobile phone that identifies that phone to the network. These numbers are carrier specific.
- **MSL** — Master Subsidy Lock. A numeric code for accessing certain phone settings.
- **NAI** — Network Access Identifier. A standard way of identifying users who request access to a network.
- **NDIS** — Network Driver Interface Specification. NDIS is a Windows specification for how communication protocol programs (such as TCP/IP) and network device drivers should communicate with each other.
- **Network Mask** — A number that allows IP networks to be subdivided for security and performance.
- **Network Operator** — The vendor who provides your wireless access. Known by different names in different regions, some examples are: wireless provider, network operator, and service provider.
- **Network Technology** — The technology on which a particular network operator's system is built; such as GSM, HSPA, CDMA, EDGE, and EVDO.

- **NNTP** — Network News Transfer Protocol. An Internet application protocol for reading and posting Usenet (newsgroup) articles.
- **Port** — A virtual data connection used by programs to exchange data. It is the endpoint in a logical connection. The port is specified by the port number.
- **Port Forwarding** — A process that allows remote devices to connect to a specific computer within a private LAN.
- **Port Number** — A 16-bit number used by the TCP and UDP protocols to direct traffic on a TCP/IP host. Certain port numbers are standard for common applications.
- **Protocol** — A standard that enables connection, communication, and data transfer between computing endpoints.
- **PRL** — Preferred Roaming List. A list that your wireless phone or device uses to determine which networks to connect with when you are roaming. (Network operator specific)
- **Protocol** — A standard that enables connection, communication, and data transfer between computing endpoints.
- **Proxy** — A firewall mechanism that replaces the IP address of a host on the internal (protected) network with its own IP address for all traffic passing through it.
- **Router** — A device that directs traffic from one network to another.
- **RTP** — Real-time Transport Protocol. A packet format for streaming multimedia over the Internet.
- **SIM** — Subscriber Identification Module. Found in GSM network technology, the SIM is a card containing identification information for the subscriber and their account. The SIM card can be moved to different devices.
- **SMS** — Short Message Service. A service for sending short messages of up to 160 (224 in 5-bit mode) characters to mobile devices. SMS is also known as text messaging.
- **SSID** — Service Set Identifier. The name assigned to a Wi-Fi network.
- **TCP** — Transmission Control Protocol. A core protocol for transmitting and receiving information over the Internet.
- **TCP/IP** — Transmission Control Protocol/Internet Protocol. The set of communications protocols used for the Internet and other similar networks.
- **UI** — User Interface. The part of a software application or hardware device that a user sees and interacts with.
- **USB** — Universal Serial Bus. A connection type for computing device peripherals such as a printer, mobile modem, etc. USB connectors may be used for data transfer or charging.
- **USB Port Types** — The USB ports on computers and hubs have a rectangular Type A socket, and peripheral devices have a cable with a Type A plug. Peripherals that do not have an attached cable have a square Type B socket on the device and a separate cable with a Type A and Type B plug. Ports and connectors are available in different sizes (for example, standard, mini, and micro).
- **USSD** — Unstructured Supplementary Service Data. A service found in HSPA/GSM networks that allows the user to retrieve information or implement certain types of call services.

- **VPN** — Virtual Private Network. A secure private network that runs over the public Internet. Commonly used to connect to an office network from elsewhere.
- **VPN Passthrough** — A feature that allows a client to connect to a VPN server.
- **WAN** — Wide Area Network. A public network that extends beyond architectural, geographical, or political boundaries (unlike a LAN, which is usually a private network located within a room, building, or other limited area).
- **WEP** — Wired Equivalent Privacy. An IEEE standard security protocol for 802.11 networks. Superseded by WPA and WPA2.
- **Wi-Fi (R)** — Wireless Fidelity. Any system that uses the 802.11 wireless standard developed and released in 1997 by the IEEE.
- **Wi-Fi Client** — A wireless device that connects to the Internet via Wi-Fi.
- **WLAN** — Wireless Local Area Network. A typically low-power network that transmits a wireless signal over a span of a few hundred feet and usually only to stationary devices. Wi-Fi is the most common WLAN.
- **WPA/WPA2** — Wi-Fi Protected Access. A security protocol for wireless 802.11 networks from the Wi-Fi Alliance.
- **WWAN** — Wireless Wide Area Network. Wireless network technologies deployed over a large geographical area to a large number of users (see WLAN). This service is usually provided through cellular network operators. WWAN connectivity allows a user with a laptop and a WWAN device to surf the Internet, check e-mail, or connect to a virtual private network (VPN) from anywhere within the coverage area of the network operator.