USER GUIDE

inseego

AT&T Global Modem USB800

4G LTE Wireless Modem



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Contents

Getting Started 1

Overview 2
- Package Contents 2
- System Requirements 2

Components 3
- Status & Data Used Indicators 4

Caring for Your Modem 5

Using Modem USB800 6

Using USB800 for the First Time 7

Inserting and Connecting Your Modem 8
- Properly Insert the Modem into Your Device 8
- Properly Remove the Modem from your Device 9
- Connecting to the Network and the Internet 9

Web User Interface (UI) 10
- Home 11
- Navigation Panel 13
- Messages 14
- Settings 14
  - Networks 15
  - SIM 16
  - GPS 17
  - Preferences 20
- About 21
  - Internet Status 21
  - Internet Sessions 22
  - Diagnostics 23
  - Device Info 24
  - Logs 26

Help 27

Install a SIM Card 28

Troubleshooting 30

Overview 31

Common Problems and Solutions 32

Technical Support 33
- Customer Service 33
- Data Technical Support 33

Product Specifications and Regulatory Information 34

Product Specifications 35

General 35
Technology/Bands 35
Environmental 35
Regulatory Statements 36
Federal Communications Commission Notice (FCC – United States) 36
Wireless Communications 40
Limited Warranty and Liability 40

Glossary 41

1

Getting Started

Overview
Components
Caring for Your Modem

Overview

Congratulations on purchasing your Modem USB800 from Inseego.

This modem enables you to connect at high speeds to the Internet, your corporate Intranet, and access your email while you're away from the office.

Package Contents

The USB800 package includes:

- USB800

  NOTE The USB800 is not a handheld device.

- Literature Kit containing:
  - Quick Reference Guide
  - Important Customer Safety Information

System Requirements

Supported platforms:

- Windows® 7 or higher
- Mac OS® 10.8 or higher
- Linux OS
- Chrome OS

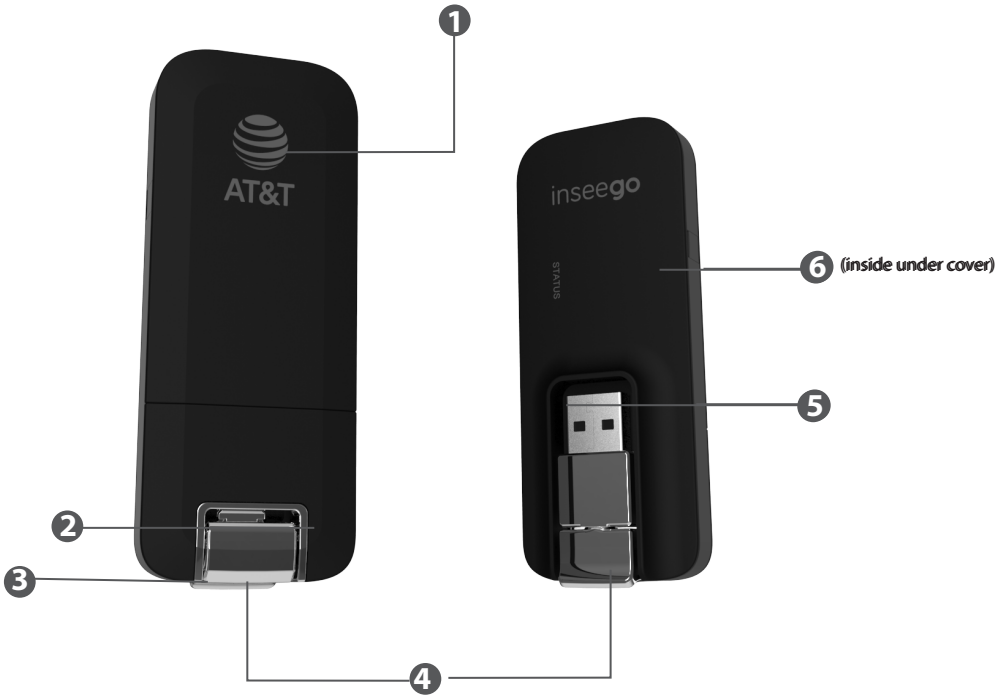
Compatible browsers:

- Microsoft Internet Explorer 7 or higher
- Mozille Firefox 3.6 or higher
- Google Chrome 9 or higher
- Apple Safari 5 or higher
- Opera 9 or higher

You will also need the following:

- USB Port 2.0 or higher
- Wireless data plan

Components



1. **Status LED indicator** — indicates the network and traffic status; it also indicates when there is no SIM or a SIM error, and when a software update is in progress. (See Package Contents on page 2.)
2. **USB Connector** — connects to your computer through a type A USB port.
3. **USB Swivel Connector**— allows the USB connector to rotate, making it easier to connect to computers.
4. **USB Folding Hinge** — folds the USB connector into your modem, and allows the USB connector to be extended and plugged into your computer.
5. **Back Panel (removable)** — covers the SIM card slot. Press gently on the cover with your thumb and slide the panel off. The manual reset button can be found under this panel.
6. **SIM Card Slot** — inside under the back panel, the SIM card is pre-installed in the spring-loaded SIM card slot (under the back panel - not shown).

Status & Data Used Indicators

The LED indicates the modem and data usage status.

Status LED	Color	Status	Description
WHEN NOT CONNECTED			
Red		Solid	No network available No SIM,SIM locked,SIM error
Green		Blinking	Modem starting up
WHEN CONNECTED			
Green		Solid	Modem ready to use Home network No data being transferred **NOTE** While starting up, the Status LED will slowly blink green
		Blinking	Home network available. Data being transferred.
Amber		Solid	Roaming network available No data being transferred
		Blinking	Roaming Data being transferred or Software update in progress
Data Used LED			
OFF			Data Usage information is not available.
Green		Solid	Data Usage: < 80%.
Amber		Solid	Data Usage: 80-89%.
Red		Solid	Data Usage: 90-99%
		Blinking	Data Usage: 100% or greater

Caring for Your Modem

Like any electronic device, the modem must be handled with care to ensure reliable operation. Inseego Wireless recommends the following guidelines:

- Protect the modem from liquids, dust, and excessive temperatures.
- Do not apply adhesive labels to the modem; they might cause the modem to overheat or alter antenna performance.
- The USB connector should plug easily into your device's standard type A USB port. Forcing the modem into a port might damage the connector.
- Remove the modem from your device before transporting it.
- Store the modem in a safe place when not in use.

2

Using Modem USB800

Using USB800 for the First Time
Inserting and Connecting Your Modem
Using the Optional Dashboard Application

Using USB800 for the First Time

IMPORTANT Do not connect the modem to a USB hub, as it might not provide sufficient power.

See the **Quick Reference Guide** included in the box.

To get started, follow these steps.

1. Confirm your device meets the minimum system requirements. (See System Requirements on page 2.)
2. Your modem comes with a SIM card pre-installed. Should you need to swap out your SIM, follow the instructions for installing an activated SIM Card.
3. Connect the modem to your device. (See Properly Insert the Modem into Your Device on page 8.)

IMPORTANT The modem requires an activated SIM to function.

STATUS LED	COLOR		DESCRIPTION
Red			No network available or No SIM or SIM error or SIM lock
Green		Solid Quick Blink	Home network Data connection in use
Amber		Solid Quick Blink	Roaming network or Software update in progress Data connection in use

Inserting and Connecting Your Modem

Properly Insert the Modem into Your Device

Open the USB connector

❶ Use your thumb to gently flip open the USB connector on your modem. Be sure to avoid over-extending the USB connector past its resistance point. Avoid opening the USB connector with metal objects as this might damage the pins.

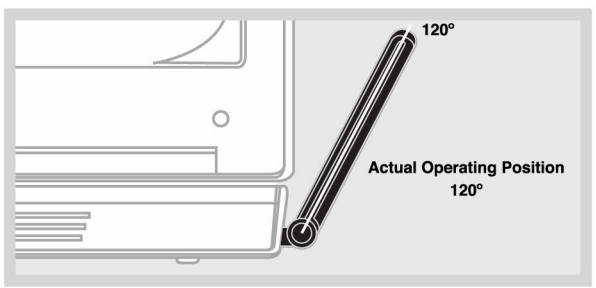


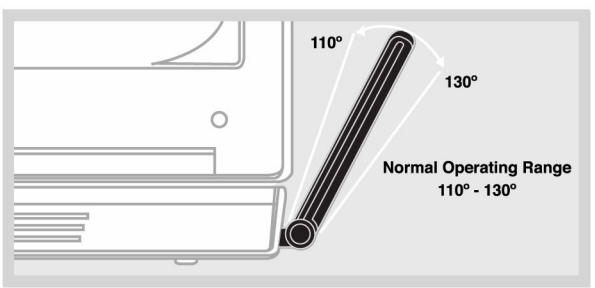
To properly insert the modem

❷ Hold the modem along the side edges and gently insert it into your device's USB port. On most devices, insert the modem with the label facing up. It should fit easily into the port. Some devices might orient the USB port so the modem label faces down or sideways. Do not force the modem into the port as this might damage both the modem and the port.

❸ Position the modem as indicated in the following illustrations to maintain SAR compliance and to ensure proper performance. This modem has been designed and tested to meet SAR compliance as outlined by the FCC. If the modem is connected to USB ports other than those shown, ensure that the modem maintains a separation distance of at least 5 mm.

IMPORTANT The modem must be positioned at 120° for optimal functionality. Failure to maintain a position between the normal operating range of 110° - 130° will cause the modem to stop functioning.





NOTE If you are having difficulty inserting the modem into your device's USB port, verify that you are inserting the modem in the correct orientation and that you are using a Type A USB port. While starting up, the Status LED will blink slowly in green.

Connecting to the Network and the Internet

Getting started with your new wireless USB800 is simple. Insert the modem into the USB Port and wait for the status LED to turn solid green. You are now connected to the Internet.

Properly Remove the Modem from your Device

IMPORTANT Be sure to disconnect from the network and close the Web UI before you remove the modem from your device. Disconnecting from the network and closing browser, email, VPN, and other communication apps avoids potential problems such as automatic shutdown or screen freezing.

Windows

The USB800 Modem's USB technology allows you to safely remove the modem at any time when you are not connected to the network.

1. End your data session by selecting **Disconnect** from the **Web UI**.
2. Exit and close the Web UI.
3. Gently grip the modem on both sides and pull straight out to avoid damaging the USB connectors.

Mac OS X

1. End your data session by clicking **Disconnect** in the Web UI. home page
2. Exit and close the Web UI.
3. Click the eject icon to the right of the modem icon in the left column of the Finder window to eject the modem.
4. Gently grip the modem on both sides and pull straight out to avoid damaging the USB connectors.

Web User Interface (UI)

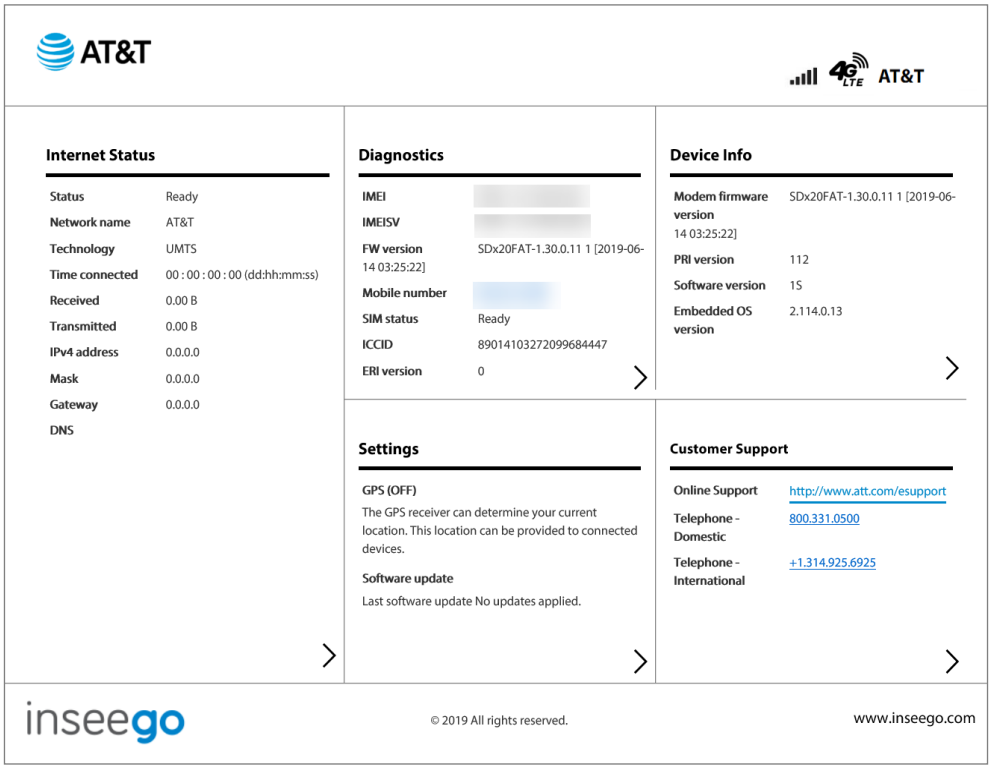
The Web User Interface allows you to manage, monitor and customize your wireless network activity through an easy-to-use web interface. To access the Web User Interface, plug the USB800 into a USB port on your computer and go to http://att.manager/ or http://192.168.1.1. You'll also be able to:

- Check messages
- Manage device settings, including GPS and software updates
- Access device information, including Internet status/sessions and modem/network specifications
- Access FAQs and customer support

Home

USB800 Home allows you to quickly access commonly used links and all available menu options for your modem. It contains the following quick link menu options:

- **Internet Status**
- **Diagnostics**
- **Device Info**
- **Settings**
- **Customer Support**



USB800 Web UI Home

USB800 Home displays the following session connection information:

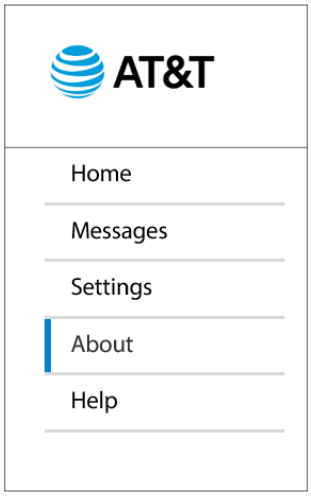
- **Status** — Current modem status.
- **Network name** — Indicates your current network connection status (Connected, Disconnect). Click **Disconnect** if you are currently connected to the network and wish to disconnect.
- **Technology** — Network type.
- **Time connected** — The total amount of time connected to the network during the current session.
- **Received** — The total amount of data received from, and transmitted to the network during the current session.
- **Transmitted** — The total amount of time data has been transmitted during the current session.

- **IPv4 address** — Address information.
- **Mask** — Mask information.
- **Gateway** — Gateway address.
- **DNS** — DNS information.

Navigation Panel

The Navigation Panel allows you to quickly access commonly used links for your modem. It contains the following menu options:

- **Home**
- **Messages**
- **Settings**
- **About**
- **Help**



USB800 Web UI Home - Navigation Panel

Messages

The Messages page displays all existing system messages, and allows you to delete messages individually or all messages at one time. To delete existing messages, click the trash can icon for each message you want to delete.

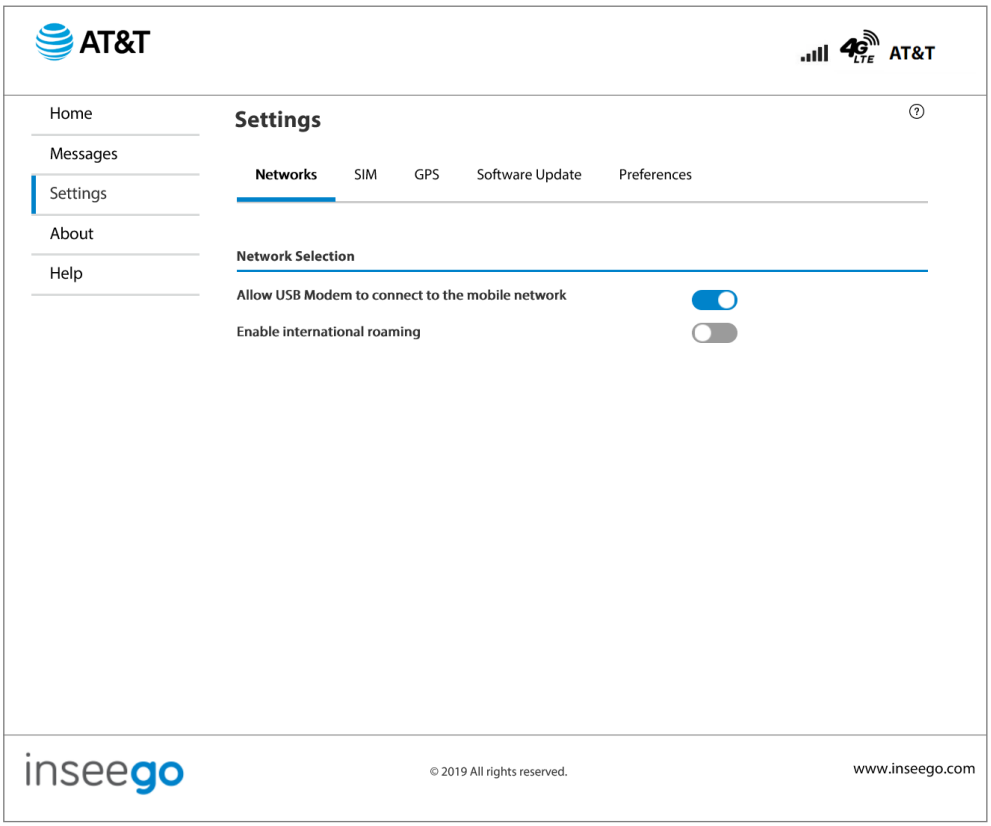


USB800 Messages

Settings

The USB800 Settings page allows you to make administration password and preference changes; obtain software update information; backup and restore APN and default settings; and set GPS preferences. The USB800 Settings page contains the following sections:

- **Networks**
- **SIM**
- **GPS**
- **Software Update**
- **Preferences**



USB800 Settings

Networks

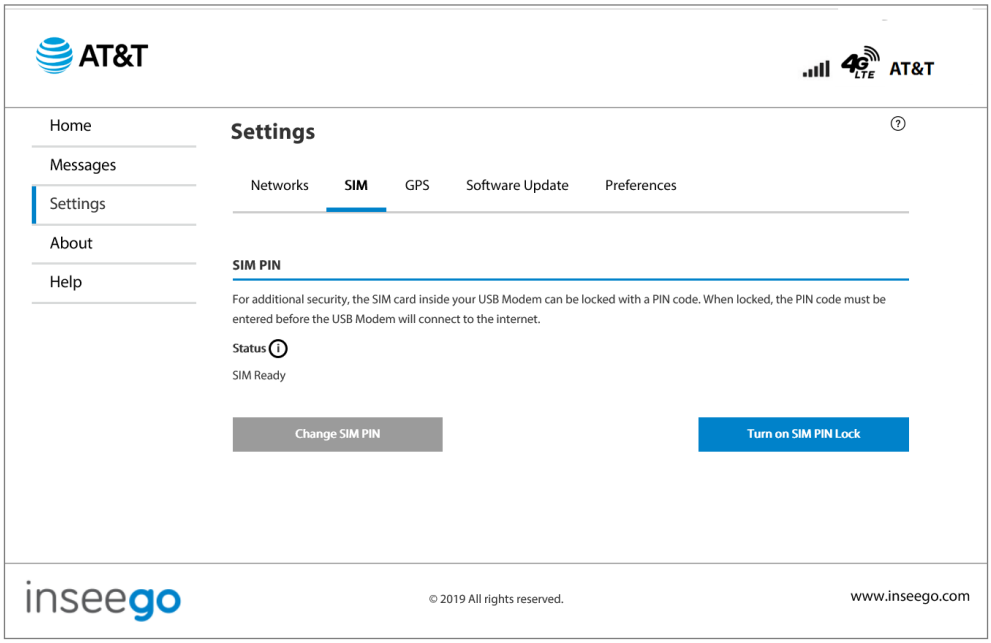
The Networks page contains the following sections:

- **Allow USB Modem to connect to the mobile network** — Allows you to turn ON/OFF cellular data to prevent all internet traffic from using the modem's data connection.
- **Enable international roaming** — Allows you to turn ON/OFF.
- **Select Network Technology** — Allows you to select the network technology from: UMTS/HSPA+/LTE.
- **Manual Network Selection** — On LTE/UMTS networks, use this feature to specify the network to use.

SIM

The SIM page provides settings and information about the modem's Subscriber Identity Module (SIM) card. The SIM card inside your modem can be locked with a PIN code for additional security. If locked, the PIN code must be entered before the modem can connect to the Internet. The SIM page has the following sections:

- **SIM Status** — Indicates the current status of the SIM card. Possible values include:
  - **Ready** — This is the normal state. The SIM PIN is not used.
  - **PIN Locked** — The SIM PIN must be entered before you can use the mobile network.
  - **PUK Locked** — The PUK for the SIM must be entered in order to continue. The PUK can be obtained from your service provider.
  - **Unlocked** — The SIM PIN is needed, but has already been entered.
  - **No SIM** — No SIM was detected. If you do have a SIM, check that it is inserted correctly.
  - **SIM Error** — A SIM was detected, but it did not respond as expected, and cannot be used.
- **Change SIM PIN** — Allows you to assign a new PIN.
- **Turn on SIM PIN Lock** — Indicates whether or not the PIN lock feature is in use. If ON, the PIN lock has been turned on, and the SIM PIN must be entered in order to connect to the mobile network. If OFF, the PIN lock feature is not turned on, and the SIM PIN is not required.



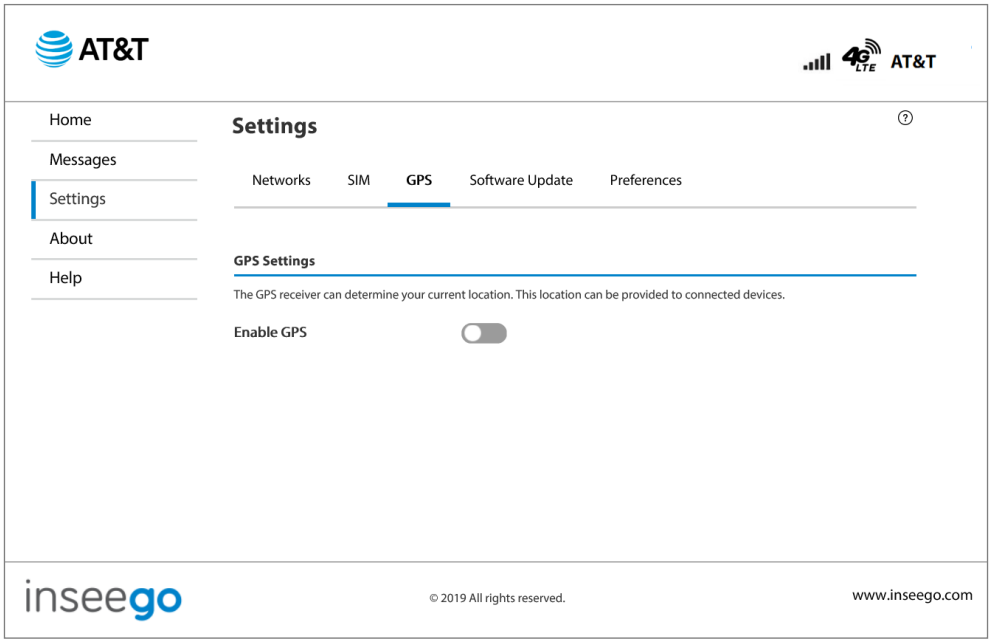
USB800 Settings - SIM

GPS

Clicking on **GPS** will take you to the GPS page where you can configure the GPS settings for your modem.

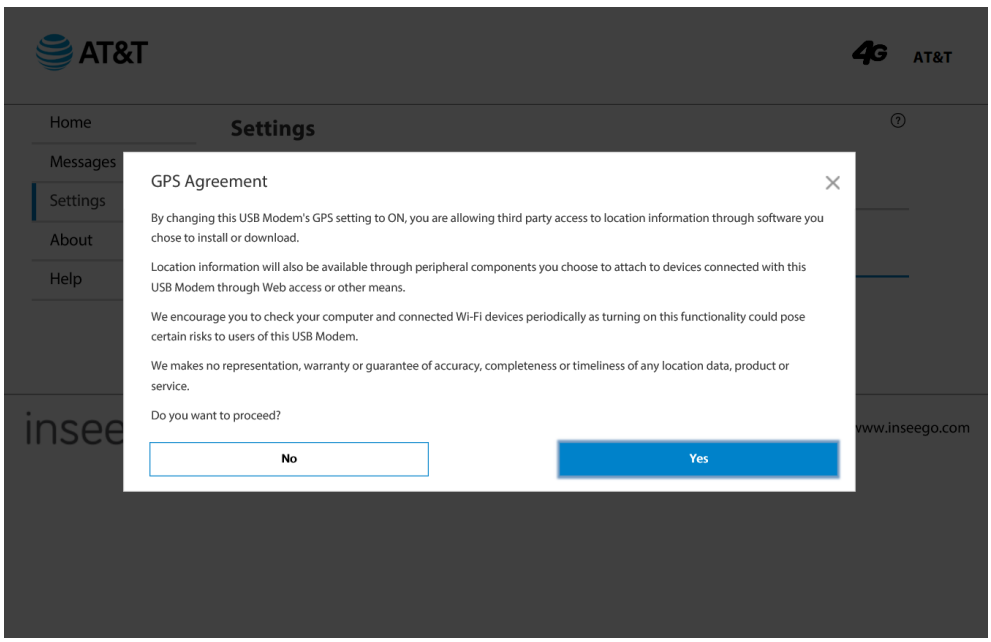
To configure your modem GPS settings:

❶ Slide the **Enable GPS** button to ON to activate the USB800 location services and display the GPS Agreement.



USB800 Settings - GPS

❷ To proceed, click **Yes** after reading and agreeing to the GPS Agreement.



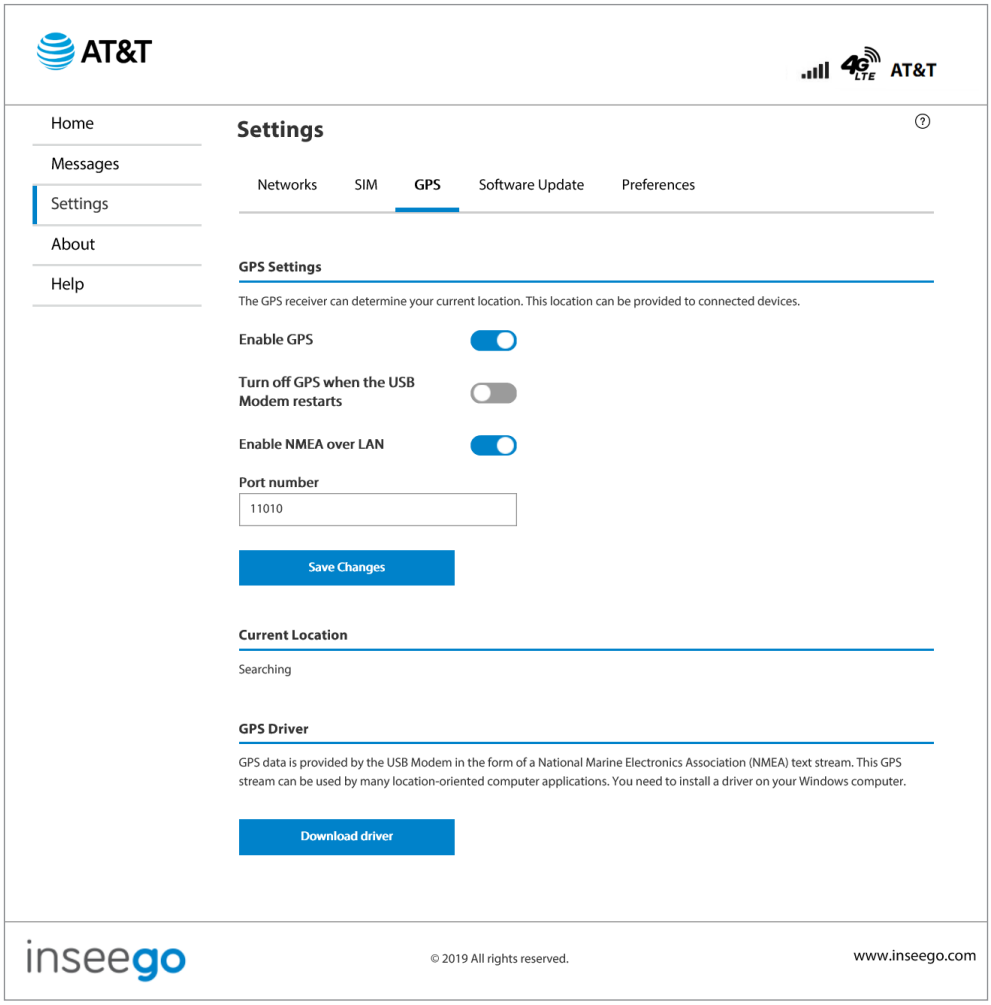
USB800 Settings - GPS Agreement

❸ To turn GPS OFF when the modem restarts, set the **Turn off GPS when the USB Modem restarts** ON/OFF button ON.

❹ NMEA is a standard method of providing a GPS data stream in Windows and other computing platforms. To use NMEA over the LAN, turn on **NMEA over LAN** ON/OFF button ON.

❺ Click **Download driver** at the bottom of the page to download and install the drivers.

❻ Click **Save Changes**.

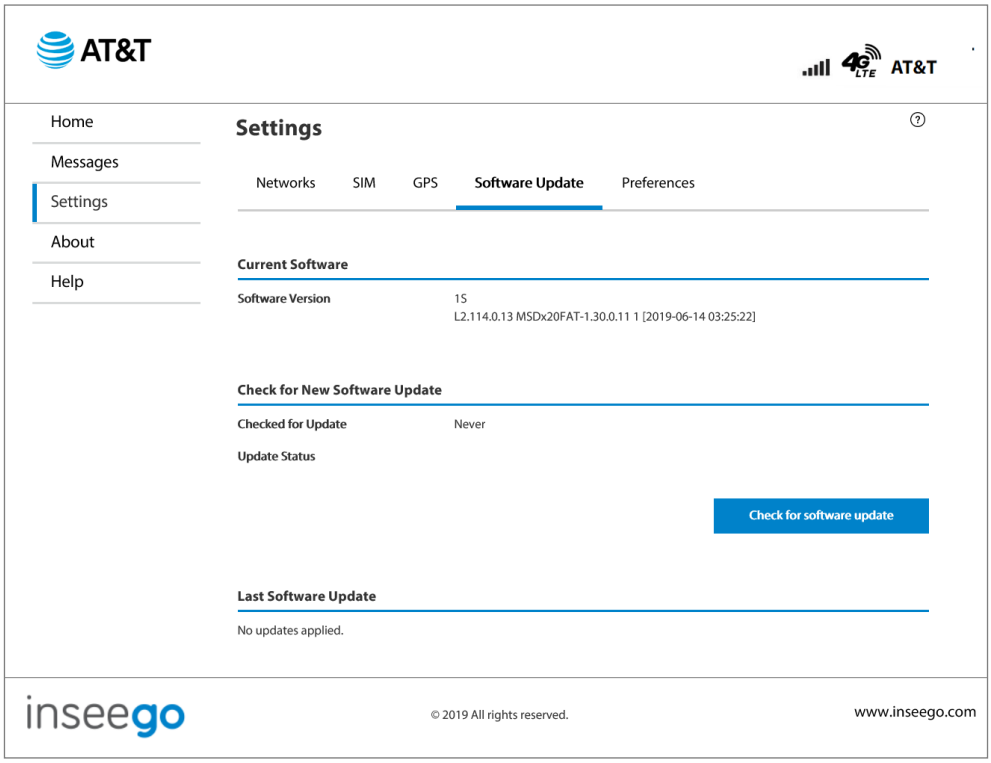


USB800 Settings - GPS Enable

Software Update

The Software Update page provides the following options:

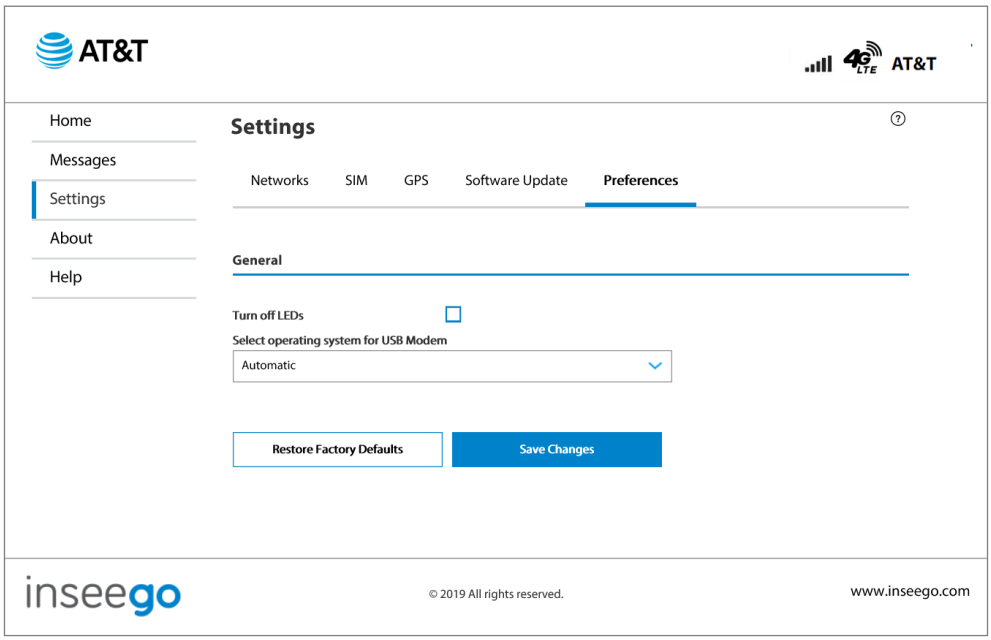
- **Current Software** — Displays current Software Version information.
- **Check for Software Update** — Displays last date checked for an update, update status, and the option to check for a new Software update.
- **Last Software Update** — Displays date of last Software update.



USB800 Settings - Software Update

Preferences

The Preferences page provides options to **Turn off LEDs**, **Select operating system for the USB Modem** from the available options displayed in the dropdown menu, or **Restore Factory Defaults** to the USB Modem.



About

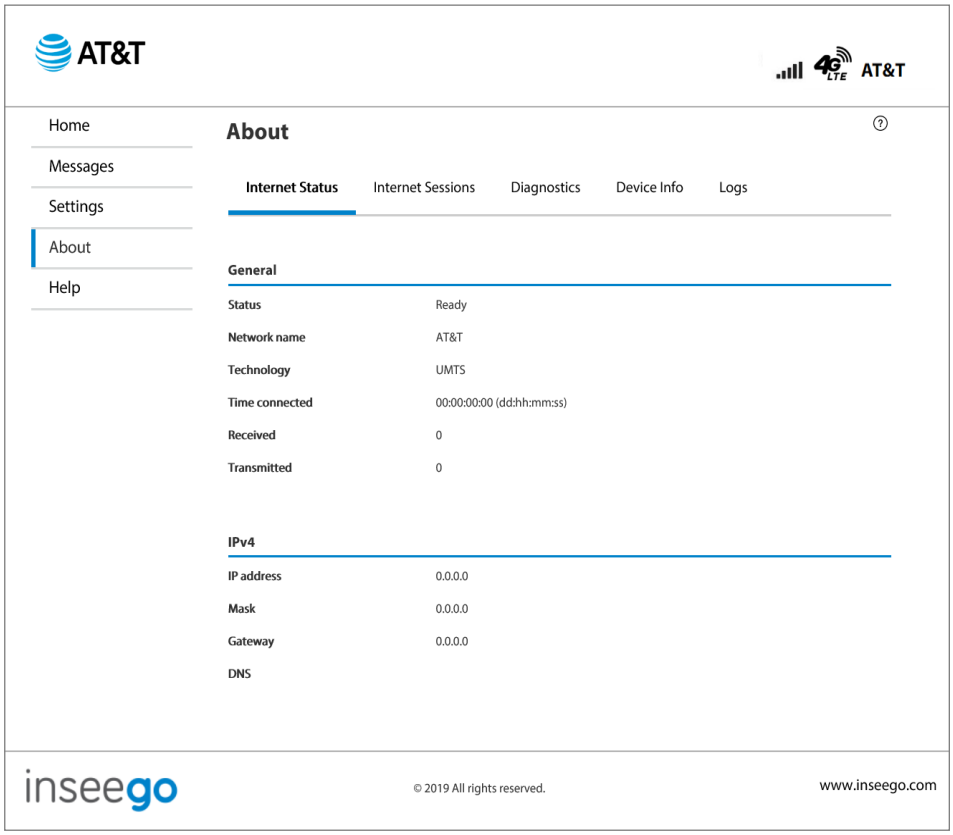
The About page allows you to view detailed information about the modem internet status, modem specific information, diagnostics and troubleshooting logs. The About page contains the following sections:

- **Internet Status**
- **Internet Sessions**
- **Diagnostics**
- **Device Info**
- **Logs**

Internet Status

The Internet Status page shows modem settings and status and contains the following sections:

- **General**
- **IPv4**



About USB800 - Internet Status

Status

The Status section has the following settings:

- **Status** — The status of the Internet connection, usually Connected or Disconnected.
- **Network name** — The name of the network to which the modem is currently connected.
- **Technology** — The type of technology used to connect to the Internet.
- **Roaming** - Indicates if the USB800 is currently using a roaming network.
- **Time connected** — How long the modem has been connected to the network.
- **Received** — The amount of data received from the network.
- **Transmitted** — The total amount of data received from and sent to the network.

IPv4

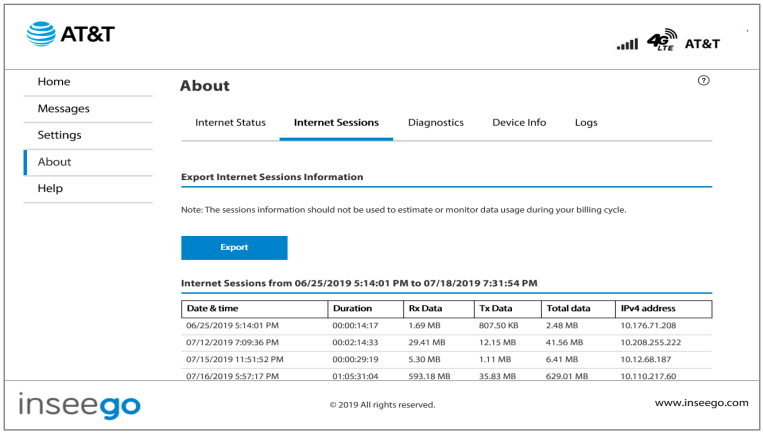
The IPv4 section has the following settings:

- **IP Address** — The IP address for the modem.
- **Mask** — The subnet mask network setting for the modem. The default value 255.255.255.0 is standard for small (class "C") networks. If you change the LAN IP Address, ensure you use the correct Subnet Mask for the IP address range containing the LAN IP address.
- **Gateway** — The address of the server used to access the Internet.
- **DNS** — The address of the Domain Name Server (DNS).

Internet Sessions

To view Internet session connection history for the modem:

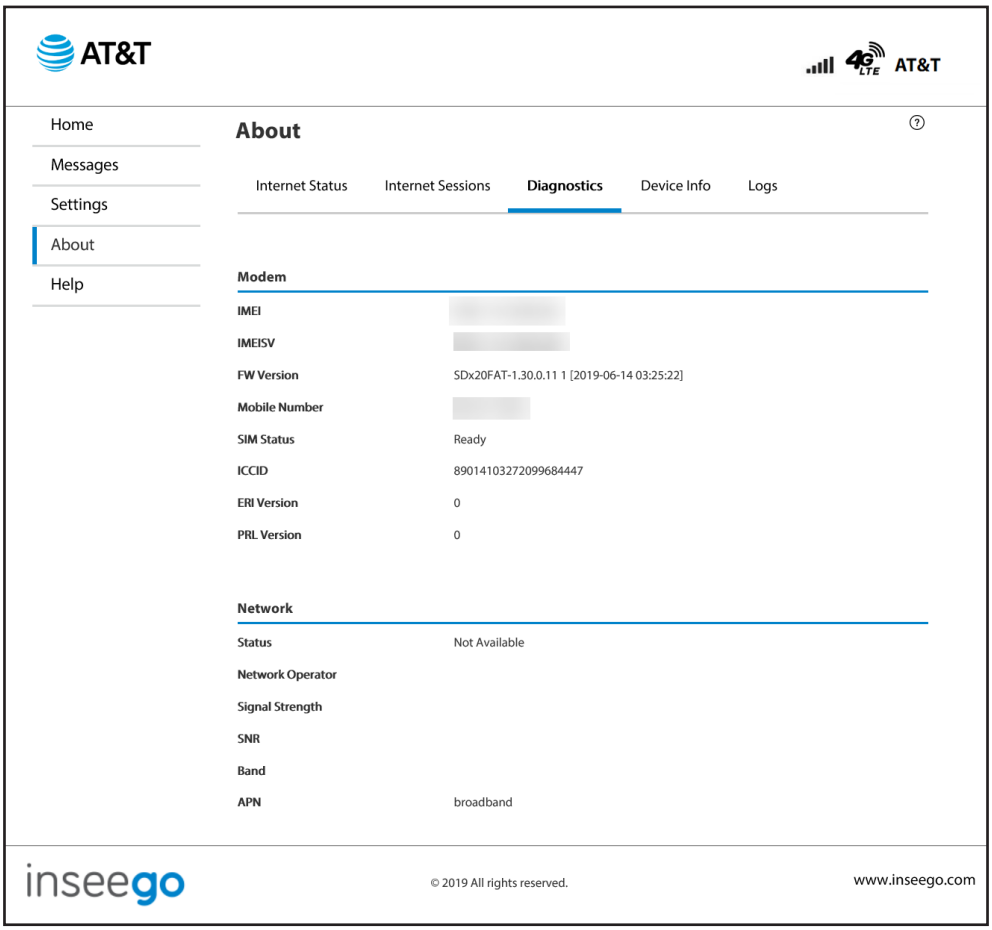
- Click Internet Sessions; the following message displays:



Diagnostics

The Diagnostics page shows information about the USB800 firmware and other system-level information. You can also view the system log. This page is used mostly for troubleshooting and is not required for normal operation. The Diagnostics page contains the following sections:

- **Modem**
- **4G LTE Network**
- **UMTS/HSPA Network**



About USB800 - Diagnostics

The Modem section has the following options:

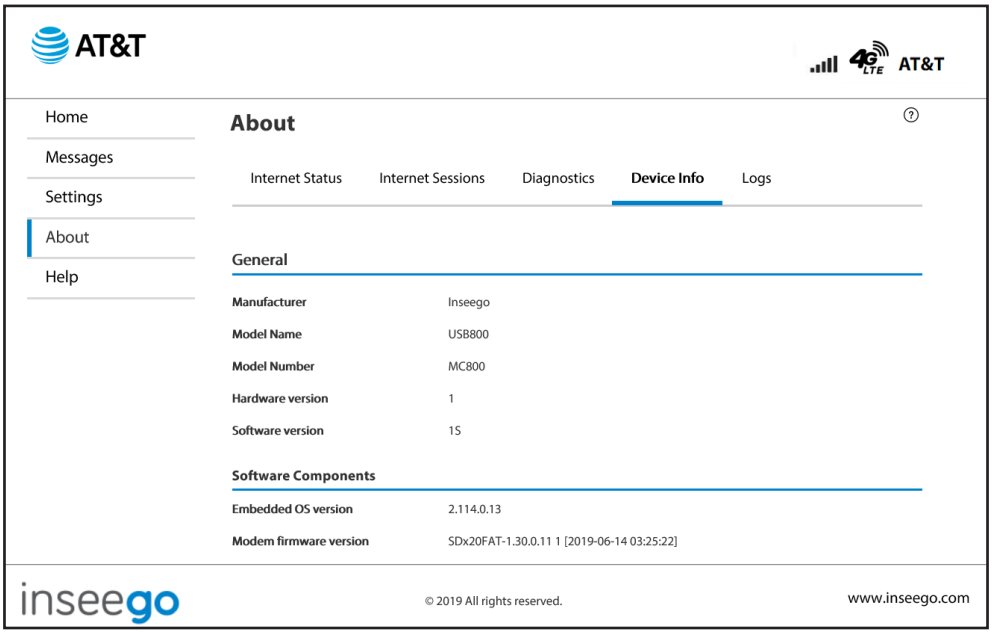
- **Phone number (MDN)** — The Phone Number or Mobile Directory Number (MDN) is used by the mobile data network to identify this particular data service.
- **IMEI** — The International Mobile Equipment Identity (IMEI) number for the USB800.
- **IMEISV** — The International Mobile Equipment Identity (IMEI) combined with an approval number for the USB800.
- **FW version** — The modem firmware version.
- **SIM status** — Status of the SIM card. If the SIM card is missing, or this field indicates some form of SIM error, the USB800 will not be able to connect to the mobile network.

- **MIN (MSID)** — The Mobile Identification Number (MIN) or Mobile Station ID (MSID) is the number associated with the home service provider and the wireless phone number.
- **ESN** — The Electronic Serial Number, which is either blank or a pseudo-ESN which is not guaranteed to be unique for modems that use an MEID.
- **Home SID** — System identifier for the home network.
- **ERI version** — The Enhanced Roaming Indicator version that is currently installed.
- **PRL version** — The version of the Preferred Roaming List (PRL), which tells the modem which non-home carrier towers should provide roaming coverage Device Info

Device Info

The Device Info page contains detailed information about the modem. The Info page contains the following sections:

- **Manufacturer** — The manufacturer of the USB800.
- **Model Name** — The model number or name of the USB800.
- **Model Number** — The model number of the MC800.
- **Hardware version** — The current USB800 hardware version is 1.
- **Software version** — The current USB800 software version is 1S.
- **Enabled OS version** — The current USB800 OS version is 2.114.0.13.
- **Modem FW version** — The current USB800 firmware version is 2.114.0.18.



About USB800 - Device Info

4G LTE Network

The 4G LTE Network section has the following options:

- **Status** — Status of the network (Disabled, Not available, or Available).
- **Network operator** — The vendor that currently provides wireless access.
- **Signal strength** — Indicates the signal strength for 4G LTE/UMTS/HSPA+ networks.
- **SNR** — A measure of signal quality; the higher the number the better the signal.
- **Band** — Band number being used in the 4G LTE and UMTS/HSPA+ networks.
- **Roaming** — Indicates if roaming is currently being used.

UMTS/HSPA Network

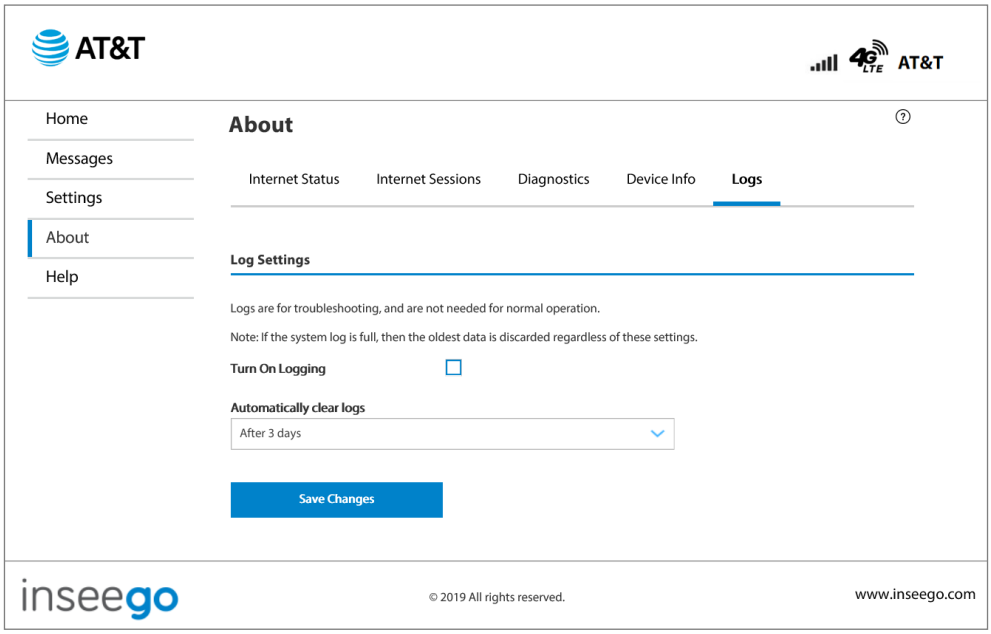
The GSM/UMTS/HSPA Network section has the following options:

- **Status** — Status of the network (Disabled, Not available, or Available).
- **Network operator** — The vendor that currently provides wireless access.
- **Technology** — The current technology in use for the 4G LTE/UMTS/HSPA+ networks.
- **PLMN ID** — The name and/or ID of the Public Land Mobile Network.
- **Cell ID** — The value identifies the cell tower currently in use.
- **RSSI** — Indicates the RSSI for the UMTS/HSPA signal. RSSI is a measure of signal strength in decibels, relative to one milliwatt.
- **Roaming** — Indicates if the current connection is a roaming connection.

Logs

The Troubleshooting Logs page allows you to turn logs ON/OFF, and to delete system logs.

NOTE Logs record various operations and are used for troubleshooting and are not needed for normal modem operation.



About USB800 Logs

Turn on Logs

To turn on system logs:

1. Select the checkbox next to **Turn on logs**.
2. Click **Save Changes**.

Turn Off Logs

To turn off system logs:

1. Clear the checkbox next to **Turn on logs**.
2. Click **Save Changes**.

Delete System Log

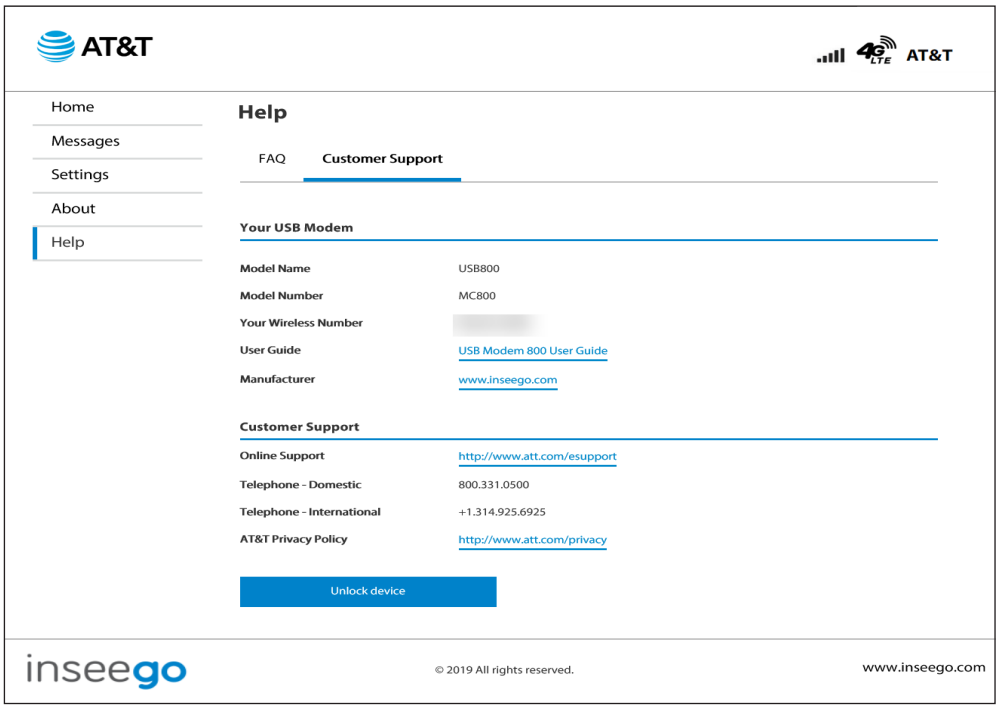
To set the time interval used to delete a system log:

1. Select the checkbox next to **Turn on logs**.
2. Select the appropriate time period for the deletion of system logs from the dropdown menu next to **Delete system log**. The choices are after 1 - 4 days. If the system log is full, then the oldest data is discarded, regardless of this setting.
3. Click **Save Changes**.

Help

The Help page has the following options:

- **FAQ** — Contains links to answers for Frequently Asked Questions, as well as directions about the operation and use of the modem.
- **Support** — Contains Quick Links and Self Service Support sections with links to the same options available in Account & Tools.



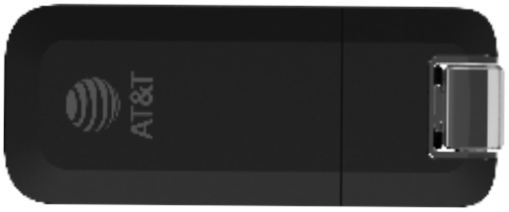
USB800 - Help Page

Install a SIM Card

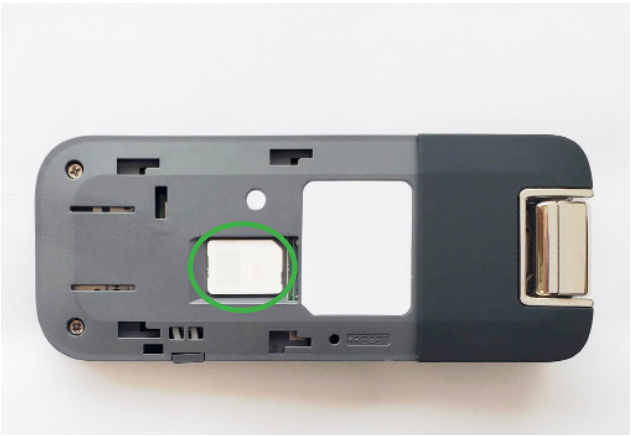
Your USB800 comes with a SIM card pre-installed. Should you need to swap out your SIM, follow these instructions:

To open the case and install the 4G SIM Card

❶ Open the protective cover on the back of the modem by pressing gently on the cover with your thumb and sliding the door off.



❷ Insert the SIM Card with the contact points (typically gold-colored) facing toward the USB modem. Position the card with the notched corner as circled below and slide the card into the SIM slot



❸ Gently push the SIM Card forward until the spring catches and the card remains securely in the slot.

4. Replace the back cover and snap into place.

The SIM Card must remain in the wireless modem when in use.

NOTE Should your SIM Card be lost or damaged, contact your wireless service provider to order a replacement SIM Card. You can also call 800.331.0500 or 611 from AT&T mobile phone to speak with a Customer Service Representative. For toll-free support outside of the U.S. call +1.314.925.6925 for 24/7 global support.

A Subscriber Identity Module (SIM Card) is a "smartcard" that houses personal information, such as your mobile phone number, calling plan, account information, and content, such as contacts, text messages, and call history.

3

Troubleshooting

Overview
Common Problems and Solutions
Technical Support

Overview

When properly installed, the USB800 is a highly reliable product. Most problems are caused by one of these issues:

- System resources required by the modem are being used by other devices.
- Network coverage is unavailable due to coverage area, an account problem, or a network problem.

The following tips can help solve many common problems encountered while using the USB800.

First Steps

- Make sure you are using the device in the correct geographic region. Be sure you have 4G Mobile Broadband and service with the USB800 in the U.S.
- Ensure that your wireless coverage extends to your current location.
- Ensure you have an active subscription plan.
- Restarting your device and your modem can resolve many issues.

IMPORTANT Before contacting support, be sure to restart your device, and remove and reconnect your device.

Common Problems and Solutions

The following are some common problems and solutions.

My device does not start when the device is inserted. I experience an error or a blank screen.

► When this happens, remove the device and restart the device.

Technical Support

Customer Service

For Customer Service while in the U.S. or Canada, call 1.800.331.0500 or 611 from AT&T mobile phone.

Data Technical Support

For additional information and technical support for AT&T devices, visit www.att.com/DeviceHowTo.

4

Product Specifications and Regulatory Information

Product Specifications
Regulatory Statements
Wireless Communications
Limited Warranty and Liability
Safety Hazards

Product Specifications

General

Market Name:	USB800L, USB800, USB800G, USB8L, USB8
Model:	MC800
Approvals:	FCC (US), ISED (CAN), CE (EU), RCM (AUS), RSM (NZ), PTCRB
Weight:	2.4 oz (68 g)
Dimensions:	3.58" x 1.45" x 0.45" (91.1 x 37 x 11.4 mm)
Chip Set:	QUALCOMM® SDX20
Interface	Fold-away, rotating USB
Type: SIM:	4FF

Technology/Bands

Technology:	LTE CAT 18, 480 Mbps LTE Max Throughput, Carrier Aggregation (5CC download CA), 2x2 MIMO
Band Designation:	Bands: B1/B2/B3/B4/B5/B7/B12/B13/B14/B17/B18/B20/B28/B29/B30/B66 HSPA+/UMTS: B1/B2/B4/B5/B8
Localization Services:	GNSS: GPS/GLONASS/Galileo/Beidou

Environmental

Operating Temperature:	-10°C to 55°C (14° F to 113° F)
Storage Temperature:	-20° C to +65° C (-4° F to 149° F)
Relative Humidity:	5% to 90% over operating temperature
Drop:	1 meter drop, no damage – fully operational
Vibration Stability:	5 Hz to 500 Hz, 0.1 octave/second

Regulatory Statements

Federal Communications Commission Notice (FCC – United States)

FCC ID: PKRISGMC800

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. Operation is subject to the following two conditions.

- This device may not cause harmful interference.
- 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. THIS DEVIC IS FACTORY TUNED. NO CUSTOMER CALIBRATION OR TUNING IS REQUIRED. CONTACT INSEEGO CORP 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 Inseego Corp. 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 INSEEGO CORP.

Innovation, Science and Economic Development Notice (ISED – Canada)

IC: 3229A-MC800

ISED RSS-Gen Notice

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED Canada ICES-003 Compliance

CAN ICES-3 (B)/NMB-3(B)

FCC and ISED RF Exposure Guidance Statement

In order to comply with FCC/ISED RF Exposure requirements, this device must be installed to provide at least 5 mm separation from the human body at all times.

Afin de se conformer aux exigences d'exposition RF FCC / ISED, cet appareil doit être installé pour fournir au moins 5 mm de séparation du corps humain en tout temps.

CE

Inseego Corp. declares that MC800 is in Compliance with the Radio Equipment Directive 2014/53/EU, its essential requirements and other relevant provisions of the directive.

A full copy of the EU Declaration of Conformity is available at the following internet address: https://www.inseego.com/support/

The Declaration of Conformity may be also consulted at Inseego Corp., 9710 Scranton Rd., Suite 200 San Diego, USA.

EU RF Radiation Exposure Guidance Statement:

This device must be installed to provide at least 5 mm separation from the human body at all times.

EU Radio Frequency and Transmitted Output Power Information:

Band	Max Power	Frequency
WCDMA-BAND I	24 dBm	1920-1980 MHz
WCDMA-BAND VIII	24 dBm	880-915 MHz
LTE BAND 1	24 dBm	1920-1980 MHz
LTE BAND 3	24 dBm	1710-1785 MHz
LTE BAND 7	24 dBm	2500-2570 MHz
LTE BAND 20	24 dBm	832-862 MHz
LTE BAND 28	24 dBm	703-748 MHz

Wireless Communications

IMPORTANT Due to the transmission and reception properties of wireless communications, data occasionally can be lost or delayed.

This can be due to the variation in radio signal strength that results from changes in the characteristics of the radio transmission path. Although data loss is rare, the environment where you operate the modem might adversely affect communications.

Variations in radio signal strength are referred to as fading. Fading is caused by several different factors including signal reflection, the ionosphere, and interference from other radio channels.

AT&T or its partners will not be held responsible for damages of any kind resulting from the delays or errors in data transmitted or received with the USB800, or failure of the USB800 to transmit or receive such data.

Limited Warranty and Liability

Inseego Corp. 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 Inseego's 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 Inseego's 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 Inseego's specifications or authorized by Inseego, (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 Inseego, (VII) products designated by Inseego 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.

Safety Hazards

Do not operate the USB8 in an environment that might 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 the host device when instructed to do so, or when you suspect that it might cause interference or danger.

Where explosive atmospheres might be present

Do not operate your device in any area where a potentially explosive atmosphere might 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 device 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 in any area where medical equipment, life support equipment, or near any equipment that might be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The device can 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 the modem is turned off 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.

5

Glossary

Glossary

- **3G** — Third Generation. 3G refers to the third generation of mobile telephony technology.
- **4G LTE** — One of several competing 4G standards. LTE (Long-Term Evolution) is a standard of wireless communication of high-speed data for mobil phones and data terminals:
- **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.
- **Broadband** — High-capacity high-speed, transmission channel with a wider bandwidth than conventional modem lines. Broadband channels can carry video, voice, and data simultaneously.
- **CDMA** — Code Division Multiple Access. It is the underlying channel access method used by some mobile phone standards.
- **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.
- **Gateway** — A network point that acts as an entrance to another network that uses a different protocol.
- **GPRS** — General Packet Radio Services. A system used by GSM mobile phones for transmitting IP packets. It also provides support for WCDMA based 3G networks.
- **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.
- **HTTP** — Hypertext Transfer Protocol. An application-level protocol for accessing the World Wide Web over the Internet.
- **ICCID** — Integrated Circuit Card IDentification. A serial number stored in and engraved or printed on a SIM card that internationally identifies the card.
- **IP** — Internet Protocol. The mechanism by which packets are routed between computers on a network.
- **IP address** — Internet Protocol address. The address of a device attached to an IP network (TCP/IP network).
- **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.

- **LTE** — Long Term Evolution. A set of enhancements to UMTS (moving toward 4G) that will provide high throughput, low latency, plug and play and seamless connection to existing networks such as GSM, cdmaOne, etc.
- **MEID** — Mobile Equipment IDentifier. A globally unique number for a physical piece of mobile station equipment.
- **MSID** — Mobile Station IDentifier. A number for a mobile phone that identifies that phone to the network. These numbers are carrier specific.
- **Network Technology** — The technology on which a particular network provider's system is built; such as GSM, HSPA, CDMA, EDGE, and EVDO.
- **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.
- **PUK code** (Pin Unlock Key) — A PUK is required when you enter an incorrect PIN 3 times. After entering the wrong PIN 3 times, the SIM card is disabled.
- **Rev A** — CDMA EV-DO Rev. A is a leading-edge wireless technology with higher data rates and higher system capacity. It is a fully backward compatible standard and remains interoperable with deployed EV-DO networks and devices around the world. The increased data rates on Rev. A's physical layer enable richer applications and services. For more information, visit www.cdg.org.
- **SIM** — Subscriber Identification Module. A 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.
- **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).
- **WCDMA** — Wideband Code-Division Multiple Access. A 3G mobile wireless technology that promises much higher data speeds to mobile and portable wireless devices. Another name for UMTS.