verizon√ User Guide

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Getting Started

Overview Components Caring for Your Device

1

Overview

Congratulations on purchasing the MiFi 4G LTE Global USB Modem USB730L for 4G LTE Mobile Broadband service.

This 4G LTE USB 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 MiFi 4G LTE Global USB Modem USB730L package includes:

• MiFi 4G LTE Global USB Modem USB730L

NOTE The MiFi 4G LTE Global USB Modem USB730L is not a handheld device.

- Literature Kit containing:
 - Quick Reference Guide
 - Global Support Brochure
 - Product Safety & Warranty Brochure

System Requirements

- Supported operating systems
 - Windows[®] 7 or 8
 - Mac OS[®] 10.5 or higher
- USB port: Type A, v2.0 or higher
- Supported browsers:
 - Microsoft Internet Explorer 9 or higher
 - Mozille Firefox 3.6 or higher
 - Google Chrome 9 or higher
 - Apple Safari 5 or higher
 - Opera 9 or higher
- Verizon Wireless data plan

Components



- **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 <u>Package Contents</u> on page 2.)
- Data Used LED indicator indicates data usage from less than 80% to 100% or greater; it also indicates when data usage information is not available.
- **USB Connector** connects to your computer through a type A USB port.
- **USB Connector Pivot** allows the USB Connector to rotate, making it easier to connect to computers.
- **USB Folding Hinge** folds the USB Connector into your MiFi USB730L Modem, and allows the USB Connector to be extended and plugged into your computer. (See <u>Properly Insert the</u> <u>Device in Your Computer</u> on page 8.)
- **6** Back Panel (removable) covers the 4G LTE 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.
- **4G LTE SIM Card Slot** inside under the back panel, insert the 4G LTE SIM card into the spring-loaded SIM card slot (under the back panel not shown). (See <u>Install the 4G LTE SIM</u> <u>Card</u> on page 8.)

Status & Data Used Indicators

The LED indicates the modem status.

Status LED	Color	Status	Description
WHEN NOT C	ONNECT	ED	
Red		Solid	No network available.
White		Solid	No SIM or SIM error.
WHEN CONN	ECTED		
Green		Solid	Device ready to use. Home network. No network activity.
			NOTE While starting up, the Status LED will illuminate solid amber, then flash amber and green.
		Blinking	Home network available. Network activity.
Amber		Solid	Roaming network availath. No network activity.
		Blinking	Roaming. Network activity.
White		Blinking	SW Update in progress.
Data Used			
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

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

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

2

Using the MiFi USB730L

Using the MiFi USB730L Modem for the First Time Inserting and Connecting Your Device Using the Optional Dashboard Application

Using the MiFi USB730L Modem for the First Time

IMPORTANT Do not connect the device 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.

- Confirm your computer meets the minimum system requirements. (See <u>System</u> <u>Requirements</u> on page 2.)
- Your MiFi USB730L Modem comes with a SIM card pre-installed. Should you need to swap out your SIM, follow the instructions for installing an activated 4G LTE SIM Card. (See <u>Install</u> <u>the 4G LTE SIM Card</u> on page 64.)
- Connect the MiFi USB730L Modem to your computer. (See <u>Properly Insert the Device in Your</u> <u>Computer</u> on page 8.) For computers running Windows[®] 7, Windows 8, or Mac OS 10.5 of higher, the USB drivers will install automatically.
- **O** Connect to the Internet. (See <u>Connecting to the Network and the Internet</u> on page 9.)

IMPORTANT The device requires an activated 4G LTE SIM with Verizon Wireless to function.

Properly Insert the Device in Your Computer

Open the USB connector

Use your thumb to gently flip open the USB connector on your USB 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 device

- Hold the device along the side edges and gently insert it into your computer's USB port. On most computers, insert the MiFi USB730L with the label facing up. It should fit easily into the port. Some computers might orient the USB port so the device label faces down or sideways. Do not force the device into the port as this might damage both the device and the port.
- 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 device maintains a separation distance of at least 5 mm.

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



NOTE If you are having difficulty inserting the device into your computer's USB port, verify that you are inserting the device in the correct orientation and that you are using a Type A USB port. While starting up, the Status LED will illuminate solid amber, then flash amber and green.

Connecting to the Network and the Internet

Getting started with your new wireless MiFi 4G LTE Global USB Modem USB730L is simple. Insert the modem into the USB Port, open the computer's web browser, type **http://my.usb** or **192.168.1.1** in the browser's address line and then press **Enter**. You are now connected to the Internet and the MiFi USB730L Web UI home page.

IMPORTANT Installation must be performed within a 4G Mobile Broadband and/or Mobile Broadband coverage area.

• When you access the MiFi USB730L Web UI for the first time, you must designate the preferred connection method for your MiFi USB730L Modem:



Welcome to your MiFi USB730L - Connection Preferences

2 To set your connection preference, select one of the following options:

- **Auto-connect** Automatically connect to the network when you insert the MiFi USB730L into your device.
- **Auto-connect if not roaming** Automatically connect to the network when you insert the MiFi USB730L into your device only if it is not roaming.
- **Manual Connection** Manually connect to the network when you insert the MiFi USB730L into your device. To manually connect to the network, you must use the Connect/ Disconnect button on the MiFi USB730L.

O Click **Save Changes** to save the connection preference settings.



Connection Preferences - Save Changes

G Click OK to accept and finalize the connection preference settings.



Connection Preferences - Changes Saved

Properly Remove the Device from Your Computer

IMPORTANT Be sure to disconnect from the network and quit the MiFi Web UI before you remove the device from your computer. Disconnecting from the network and quitting the software avoids potential problems such as automatic shutdown or screen freezing.

Windows

The USB730L Modem's USB technology allows you to safely remove the device at any time when you are not connected to the network.

- End your Mobile Broadband session by selecting **Disconnect** from the **MiFi Web UI**.
- Exit and close the MiFi Web UI.
- Gently grip the MiFi USB730L Modem on both sides and pull straight out to avoid damaging the USB connectors.

Mac OS X

- End your Mobile Broadband session by clicking **Disconnect** in the MiFi Web UI. home page
- 2 Exit and close the MiFi Web UI.
- Click the eject icon to the right of the USB730L Modem icon in the left column of the Finder window to eject the device.
- Gently grip the USB730L Modem on both sides and pull straight out to avoid damaging the USB connectors.

MiFi Web User Interface (UI)

The MiFi Web User Interface allows you to manage, monitor and customize your wireless network activity through an easy-to-use web interface. You'll also be able to:

- Time your network sessions
- View your usage history
- Update your software to the latest version
- Connect to Verizon Wireless for product and account information
- Receive help and support

Home

MiFi USB730L Home allows you to quickly access commonly used links and all available menu options for your MiFi USB730L Modem. It contains the following quick link menu options.

- Navigation Panel (See <u>Navigation Panel</u> on page 14.)
- Account & Tools (See <u>Account & Tools</u> on page 41.)
- **Help & Support** (See <u>Help & Support</u> on page 45.)



MiFi USB730L Web UI Home



The next time you sign in to MiFi USB730L Settings, you will need to use the new password.

MiFi USB730L Home displays the following session connection information:

- **Network status** Indicates your current network connection status (Connected, Disconnect). Click **Disconnect** if you are currently connected to the network and wish to disconnect.
- **Session Time** The total amount of time connected to the network during this current session.
- Session Data The total amount of data received from, and transmitted to the network during this current session.
- You have a new message This notification displays when you have a new message. To view messages, click View Message to access the Messages page. (See <u>Messages</u> on page 27.)

Navigation Panel

The Navigation Panel allows you to quickly access commonly used links for your MiFi USB730L Modem. It contains the following quick link menu options:

- Data Usage (See <u>Data Usage</u> on page 16.)
- Settings (See <u>Settings</u> on page 16.)
- **GPS** (See <u>GPS</u> on page 25.)
- Messages (See <u>Messages</u> on page 27.)
- About (See <u>About</u> on page 30.)
- **Help** (See <u>Help</u> on page 40.)

	You have a new text message.M	iew Messages.		
🕂 Home	Vert og		Ar	ccount & Tools
>	15		0	My Verizon Wireless
Data Usage			2	t Coverage Map
O Settings			(2	Data Calculator
				Application
GP5			н	eip & Support
			2	Attend a Wireless
Messages 5				Community Forums
About	Welcome To Your		0	Device Support Page
-	MiFi [®] 4G LTF Global U	SB		& User Guide
🕜 Help		50		to external content
	Modem U620L			where data fees
	Wireless Number: 858-472-2316			cost adda10

MiFi USB730L Web UI Home - Navigation Panel

Data Usage

The Data Usage page allows you to obtain your current estimated data usage, and to access Account & Tools. Click **Data Usage** on the Menu panel to display the Data Usage page and access information specific to your particular plan.



MiFi USB730L Data Usage

NOTE

Roaming charges or roaming minutes may not be included in your estimate. Credits and adjustments to your account may not appear until your next billing statement, and may not be reflected in your current balance. Payments are applied to your account on the same day they are made.

The MiFi USB730L Settings page allows you to make administration password and preference changes; obtain software update information; backup and restore files to your MiFi USB730L Modem; and set GPS preferences. The MiFi USB730L Settings page contains the following sections:

- Networks (See <u>Networks</u> on page 17.)
- **SIM** (See <u>SIM</u> on page 19.)
- Software Update (See <u>Software Update</u> on page 20.)
- Advanced (See <u>Advanced</u> on page 21.)

Networks

The Networks page contains the following sections:

- **Connection Preference** Allows you to turn off cellular data to prevent all internet traffic from using the MiFi USB730L Modem mobile broadband connection.
- **Preferred Network Technology** Allows you to select the network technologies that will be used. The choices are Global, LTE only, CDMA only, and LTE/UMTS/GSM.
- **Manual Selection** On GSM/UMTS/HSPA networks, use this feature to specify the network to use.



- Show More Options Click to display or change the following:
 - **4G LTE APN** Displays the network carrier APN
 - **GSM/UMTS/HSPA APN** Use only when a non-Verizon SIM is inserted.
- Save Changes Use to activate and save new settings.

Hores	©₀ Settings			10
🕑 Data Usage	Networks SIM Soft	ware Update Advance	d <mark>-</mark>	
A	8 P Fasetwough is away used	The network is an areas to real	igned to your computer, not to your MIT US20L	
₩ ₀ Settings	Connection Preference:	Life conne	 H"Manual", you must use the Conce d'Descriment faulturi 	
Q GPS	Preferred Network Technology:	Stopal		
🗭 Messeges 🖪	Manual Network Selection:	Not available	Div TISMA INTO HERE involution, use the facture to specify the network to use.	×.
About	Hide More Coloris			
0	49 LTE APN:	vzwinternet	Easter Changing the APN may search and of data connective	
🕑 Help	Restore Detault APN			
	GSM/UMTS/HSPA APN:		This UPH is upper any which a new Vergoe DIM is inserted.	
			Save Charge	-

MiFi USB730L Settings - Networks

To change your connection preference:



- Select one of the following options:
 - Auto-connect Automatically connect to the network when you insert the MiFi USB730L into your device.
 - Auto-connect if not roaming Automatically connect to the network when you insert the MiFi USB730L into your device only if it is not roaming.
 - Manual Connection Manually connect to the network when you insert the MiFi USB730L into your device. To manually connect to the network, you must use the Connect/ Disconnect button on the MiFi USB730L Web User Interface.
- Olick Confirm on the Confirm warning pop-up window.



NOTE All internet connections will be immediately terminated when you click **Confirm.**

O Click **Save Changes** to accept and finalize the new Connection Preference settings.

To change your preferred network technology:

- Select the desired network technology from the dropdown menu. Choose from Global, LTE/ CDMA, and GSM/UMTS.
- 2 Click **Save Changes** to accept and finalize the revised preferred network setting.

The MiFi USB730L automatically selects the best network to use when using GSM/UMTS. To manually select another network:

- Click Select Network
- Click Scan for Networks when the Manual Network Selection page appears.
- **6** Click **Confirm** on the Confirm warning pop-up window.



NOTE Any existing network connections will be terminated when you click **Confirm** after the network scanning process completes.

When the Available Networks display, click **Select** to make your manual network selection.

To display or change the Networks Advanced Settings:

- Click Show More Options. The 4G LTE APN displays the pre-configured APN and should not be changed unless you have a corporate account with your own APN.
- If you are using a non-Verizon SIM, enter the APN in the **GSM/UMTS/HSPA APN** field.
- Olick Save Changes to accept and finalize all settings.

SIM

The SIM page provides settings and information about the MiFi USB730L Modem's Subscriber Identity Module (SIM) card. The SIM card inside your MiFi USB730L Modem can be locked with a PIN code for additional security. If locked, the PIN code must be entered before the MiFi USB730L Modem can connect to the Internet. The SIM page has the following sections:

- SIM PIN Lock feature 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.
- **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.
- Desired Action Allows you to turn the PIN lock feature ON/OFF.
- Enter current PIN Type the desired PIN in the Enter current PIN field. The default PIN is 1111.
- Save Changes Use to activate and save new settings.



MiFi USB730L Settings - SIM

IMPORTANT Entering an incorrect PIN will lock the SIM. **The default PIN is 1111**.

Software Update

The Software Update page contains the following sections:

- **Current software version** Displays information for the current software version, date of last check for updates and the number of updates currently available.
- **Checked for update** Displays the date of the last software update. Never is listed if you have never checked for an update.
- **Update status** Displays the software update history.

To check for software updates, click **Check for Update**.

# Home	✿ Settings		(P)
Data Usage	Networks SIM Softwa	are Update Advanced	
¢₀ Settings	Current Software	10, 1206 MSN 100 2 44 1 (2018 .04-03 (0.55.58)	
Q GPS	Configuration version	H4 MVT.USD620.0	
Messages 🛽	Update status: Check for Update		
About	Update History		
@ Help	Never updated		

MiFi USB730L Settings - Software Update

Advanced

The Advanced page allows you to change the MiFi USB730L Modem advanced settings. The Advanced page provides Admin Password and Preferences settings, as well as an option to restore your device to factory default settings.

IMPORTANT! Changing the MiFi USB730L Modem's Advanced settings can adversely affect stability, performance and security of the MiFi USB730L Modem.

No networks	s evaluable. Change Settings - Network - Theferred n	etwork technology" to "Clobal" to expand network search
A Home	₽. Settings	
Dota Usaga	Networks SIM Software Update	Advanced
🗢 Settings		$\boldsymbol{\wedge}$
Q gpg	Changing these advanced stands may be not ma	A to the stability performance, and security of this USD Nodem
B Messaws I		
0		
About About		
~		

MiFi USB730L Settings - Advanced Settings Warning

Click **Continue** on the Advanced page to access Advanced page options.

Change MiFi USB730L Web UI Admin Password

Clicking on **Turn on password protection** enables password protection in the MiFi USB730L. Use the remainder of the Admin Password section of the Advanced page to change the Admin Password. This is the password you use to Sign In to Settings.

To change the Admin Password used to sign In to your MiFi USB730L Modem:

• Enter your current Admin password in the **Current Admin Password** box. The default Admin password is **admin**.

verizon	Network status: Connected Session Time: Citin 20 min Session Cata: 024 02 Kis	Disconnect		465	Verizon
Cota Usage Cota Usage Cota Cota Cota Cota Cota Cota Cota Cota	Constraints Sim Software Strain Software Softwar	wine Update Advanced	Developed your acception of the second secon	na si seg a pessena n be allora Ordene edan a usad diffe	Te dand dans
🕜 Help	Answer security question:	What is your data way to not What is your data or shirt? (minist What is your could us model more What is be name of the shirt?)	grow np on ²	earden ox uxeed mone gotten	
	Preferences				
	include all Settings pages in password protection.	×			
	include GHs page in passwore protection:	~			
	Turn offil EDst	~			
	Turn off hardware reset button.	~			
	Local IP address:	192,158,1,1	Hav IP address website (197-10) 152,108,255,254	ns coved to second 1 0.0.1 - 40	la e
	Restore Factory Defaults			Sine Ci	hanges
NOVATEL VITRELESS, Geschel 42015, Novel-Witekov	, Inc. All Sylve necessary MITTLE & registered in	eferreis of Novelei Wieners, for medius and p	alentholders of MIT	,	MIEL

MiFi USB730L Settings - Change Admin Password

- **2** Enter your new password in the **New Admin Password** box.
- **6** Re-enter your new password in the **Confirm new Admin password** box.
- **G** Select a security question from the **Select security question** drop down menu.
- **6** Enter the answer to the selected security question in the **Answer Security Question** field.

Networks SIM Solt	vare Update Advanced	
Admin Password		
Turn on password protection:	~	It enabled, you must set a password and security question.
Set new Admin Password:	*	
Current Admin Password:	••••	
New Admin Password:		Password must be atleast 6 characters
Confirm new Admin Password:		
Select security question:	What s your da	The security question is used if the password is forgotten
Answer security question:	02/11/19/5	
Preferences		
include all Settings pages in password protection:	×	
Include GPS page in password protection:	×	
Turn off LEDs:	4	
Turn off hardware reset button:	~	
Local IP address:	192.168.1.1	This IP address is used to access this worksite (192-168-0-1 ~
		192.160.255.254)
		Save Changes

MiFi USB730L Settings - Answer Security Question

- **6** Click **Save Changes** to accept and finalize all settings.
- Click **Confirm** on the Confirm warning pop-up window.



NOTE The MiFi USB730L will restart when you click **Confirm.**

8 A message displays confirming that your password has been changed.



The next time you sign in to MiFi USB730L Settings, you will need to use the new password.

Set Preferences

Use the Preferences section of the Advanced page to set password protection, hardware and local IP address preferences for your MiFi USB730L Modem.

To set password protection, hardware and local IP address preferences for your MiFi USB730L Modem:



1 Click **Include all Settings pages in password protection** if you wish to enable password protection for all Settings pages.

~	
	\sim
×	U
192.158.1.1	This IP address is used to access the website (192,168.0,1 - 192,108,255,254)
	Save Changes
	FP 192 168.1.1

MiFi USB730L Settings - Answer Security Question

- **2** Click **Include GPS page in password protection** if you wish to enable password protection for the GPS page (See <u>GPS</u> on page 25.)
- Click **Turn off LEDs** if you wish to turn off all LED indicators on your MiFi USB730L Modem.
- **O** Click **Turn off hardware reset button** if you wish to turn off the hardware reset button on your MiFi USB730L Modem.
- **6** Click **Save Changes** to accept and finalize all settings.
- **6** Click **Confirm** on the Confirm warning pop-up window.



NOTE The MiFi USB730L will restart when you click **Confirm.**`

Clicking on GPS will take you to the GPS page where you can configure the GPS settings for your MiFi USB730L Modem.

To configure your MiFi USB730L Modem GPS settings:

1 Slide the ON/OFF button to ON to activate the MiFi USB730L location services and display the GPS Agreement.

vertzon	Network status: Connected Session Time: 01 hr 58 min Session Data: 1 15 MD	Disconnect		HGË	Verizon Wireless
 Home Data Usage Settings GPS Messages About Help 	CPS GPS GPS The GPS receiver can determine you GPS Behaviror: Current Location GPS Application Support (WI GPS data is provided to your compl GPS data is pr	Indows only) Uter in the form of a National I location-onented computer ap	Warine Electronia	es Association (NM wit need to matall th	TA) feet stream. This to Ciris driver on your
NOVATEL WHELESS, Copyright 02015. Novadel Wireles	s, Inc. All rights reserved. WiTi is a registered	d Insdemark of Novadel Wiseless. In	e creators and pat	ent holders of MiFi.	Mifi

MiFi USB730L Settings - GPS

2 To proceed, click **Confirm** after reading and agreeing to the GPS Agreement.

	Network status:	Connecled	Disconnect				
	Session Data:	1 IO MD			465	Verizon V	Vireless
.	🔍 🔍 GPS						
GP	S Agreement Text					×	
By or you vert	hanging this fulfil US201 (GPS s chose to install or download zon Wireless encourages you to a chiths Will US201 zon Wireless makes no represent uct or service.	etting to V, you are a check y incomputer ntation, warranty or gua	ewing field prink access ariodically a coming on nanice of accuracy, com	a la focation int d'unctionai apleteness or tr	formation through sa Ity could pose certa moliness of any loca	offware In risks to alion dalla,	
E Coy	rou want to proceed?						
🕐 Help					Cancel	Confirm	

MiFi USB730L Settings - GPS Agreement

Some a standard method of providing a GPS data stream in Windows and other computing platforms. If this check box is selected, when connected via a USB cable, a NMEA (serial) port is available to applications that can use a NMEA stream. To use GPS over Wi-Fi (NMEA), click **Download GPS Over Wi-Fi Drivers** at the bottom of the page to download and install the drivers.

GPS Application Support (Windows only)	
GPS data is provided to your computer in the former all GPS stream can be used by many location-orien of the Windows PC.	Norms Marke Exclusions Association (NMEA) text stream. This a decaptications You will need to install the GPS driver on your
Download GPS Driver	ΓU

GPS - Download GPS Over Wi-Fi Drivers

6 Click **Save Changes**.

Messages

The Messages page displays all existing Verizon system messages, and allows you to delete messages individually or all messages at one time. Unread messages are marked with a green message icon 💷 .

verizon	Network Status: Session Time: Session Data:	Connected 00 hr 07 min 366.10 KB	Disconnect	atl	ЧGË	Verizon Wireless
Home	🗩 Mess	ages				Ţ.
🕁 Data Usage	Ģ	619-379-4154 Test message #4	06/10/2015	5 10:32:54	AM	4 Unread/ 4 Messages
\$€ _o Settings		619-379-4154 Test message	06/10/2018	5 10:32:42	AM	ŵ
Q GPS	P	619-379-416 Test message #2	06/1/2015	5 10:32:10	AM	面
🗭 Messages 👍		619-379-4154 Test message #1	06/10/2015	5 10:32:02	AM	茴
i About						Delete All Messages
? Help						
NOVATEL WIRELESS						MiFi
Copyright 62015. Novatel Wireles	s, Inc. All rights reserve	d. MIFI is a registered trader	nark of Novatel Wireless, the creat	itors and pat	ent holders of MIF	

MiFi USB730L Messages

To delete existing messages:

• To delete one message at a time, click the trash can icon iii for each message you want to delete.

veri <u>zon</u>	Network Status: Session Time: Session Data:	Connected 00 hr 07 min 366.58 KB	Disconnect		atl	ЧGŝ	Verizon Wireless
Home	🗭 Mess	ages					7]
🕑 Data Usage		619-379-4154 Test message #4		06/10/2016	10:32:54	AM	a Onread/ a Messages
🕸 Settings		619-379 1 54 Test mes ge #3	D	J6/10/201	0:32:42	AM	Ô
Q gps		619-379 154 Test mes ge #2	Γ	6/10/201	0:32:10	AM	Î
🗭 Messages 4		619-379-4154 Test message #1		06/10/2015	10:32:02	AM	Ē
About							Delete All Messages
? Help							
NOVATEL WIRELESS.							MiFi
Copyright 6/2015. Nevatel Wireless	s, Inc. All rights reserve	d. MIFI is a registered trader	mark of Novatel V	Areless, the creat	tors and pate	ent holders of MiF	

MiFi USB730L Messages - Delete

② To delete all messages at one time, click **Delete All Messages** at the bottom of the page.

ver	izon	Network Status: Session Time: Session Data:	Connected 00 hr 08 min 366.58 KB	Disconnect		att	4G5	Verizon Wireless
Ħ	Home	🗭 Messa	ages					(2)
J	Data Usage	P	619-379-4154 Test message #3		06/10/2015	10:32:42	AM	s Uniread/ s Messages
\$₀	Settings		619-3 Test n ssage #2		06/10/ 15	10:32:10	AM	節
0	GPS		619-3 <mark>9-415</mark> 4 Test n ssage #1		06/10// 15	10:32:02	AM	Ē
₽	Messages 3							Delete All Messages
0	About							-
0	Help							
NOVA	TEL WIRELESS,							MiFi
Copyright	62015. Novalal Winelass	, Inc. All rights reserve	d. MIFI is a registered trade	mark of Novabel We	reliess, the create	ors and pate	nt holders of Mil	71

MiFi USB730L Messages - Delete All

3 To delete all messages, click **Confirm** when the confirmation dialog displays:



MiFi USB730L Messages - Deletion Confirmation

After clicking Confirm, the previously displayed messages no longer display in the Messages page.



MiFi USB730L Messages - After Mass Deletion

The About page allows you to view detailed information about the MiFi USB730L Modem internet status, device specific information, diagnostics and troubleshooting logs. The About page contains the following sections:

- Internet Status (See Internet Status on page 30.)
- **Device Info** (See <u>Device Info</u> on page 32.)
- **Diagnostics** (See <u>Diagnostics</u> on page 33.)
- Troubleshooting Logs (See <u>Troubleshooting Logs</u> on page 37.)

Internet Status

The Internet Status page shows MiFi USB730L Modem settings and status and contains the following sections:

- Status (See <u>Status</u> on page 31.)
- **IPv4** (See <u>IPv4</u> on page 31.)
- **IPv6** (See <u>IPv6</u> on page 31.)
- View Internet Sessions (See View Internet Sessions on page 31.)

Vertzon	Network status: Criminsided Session Time: 00:01:12:42 Session Data: 46.72 MD	Disconnect	₀ ↓† ЧG ₿	Verizon Wireless
Home Home Data Usage Constant Constant Constant Help Help	About Internet Status Internet Status Status: Network name: Technology: Technology: Tansmitted: Tansmitted: Tatas: Pv4 P Address: Mask: Gatoway: DNS: Pv8 P Address:	Diagnostics bona terf bran Active cre br 00:01:12:42 42:01 MD 4:72 MB 4:6 72 MB 100:70:128:60 255:255:255:248 100:70:128:61 2000:10:12:61 2000:10:12:61	Troubleshooling Logs 24.171.135 55.751/1.26cb.1346	[<u>3</u> .
NOVATEL WIRELESS				MiFi

About MiFi USB730L - Internet Status

<u>Status</u>

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 MiFi USB730L Modem is currently connected.
- **Technology** The type of technology used to connect to the Internet.
- **Roaming** Indicates if the MiFi USB730L is currently using a roaming network.
- **Time connected** How long the MiFi USB730L 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.

<u>IPv4</u>

The IPv4 section has the following settings:

- IP Address The IP address for the MiFi USB730L Modem.
- Mask The subnet mask network setting for the MiFi USB730L 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).

<u>IPv6</u>

The IPv6 section has the following setting:

• IP address — The IP address for the MiFi USB730L Modem.

View Internet Sessions

To view Internet session connection history for the MiFi USB730L Modem:

• Click View Internet Sessions; the following message displays:



Device Info

The Device Info page contains detailed information about the MiFi USB730L Modem. The Info page contains the following sections:

- **Manufacturer** The manufacturer of the MiFi USB730L.
- Model The model number or name of the MiFi USB730L.
- **Software version** The current MiFi USB730L software version.
- **Configuration version** The MiFi USB730L operating system (OS), including its components, version.

Click **Show Software Components** to display the following device information:

- Modem FW version The current modem firmware version.
- Web UI version The web user interface version.
- **PRI version** The configuration version currently applied to the MiFi USB730L.

Click **Hide Software Components** to hide device information:

A	Session Data: 000 60 KD			南
Data Usage	Internet Status Devis	e Info Diagnostics	Troubleshooting Logs	
Ф _р Settings	Manufacturer: Model: Software version:	Novater Wireless, Inc. MiFi U6201	-2 -3 1 [2015-	
GPS	Configuration version Hide Software Components	HATTOSEED)	
i About	Modern FW version. Web UI version: PRI version	9x25ME1-2.44 1 (2015-0 1 206.0000 115	01-03 10.55.58	
? Help	Restart MiFi, the MiFi logo, Nowiel Wir Wireless, Inc.	dess and the Novatel Wireless	logo ane hademarks or register	ed loademarks of Novaiel
OVATEL WIRELESS	2			MiE

About MiFi USB730L - Device Info
Diagnostics

The Diagnostics page shows information about the MiFi USB730L 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 (See Modem on page 34.)
- **4G LTE Network** (See <u>4G LTE Network</u> on page 35.)
- **GSM/UMTS/HSPA Network** (See <u>GSM/UMTS/HSPA Network</u> on page 35.)
- **3G Network** (eHRPD/EVDO/1xRTT) (See <u>3G Network (eHRPD/EVDO/1xRTT)</u> on page 36.)

verizon	Network status: Connectes Session Time: Official to min Session Data: 122 MB	Disconnect	Verizon
🛉 Hame	About Internet Status — Device In	to Disynustics Insubleshooring Logs	لۇ.
$\Phi_{\rm e}$ Settings	😝 this de a lectudorrostorr in co Nociem	et only for function functions and feedback long peri-	
Q GPS	Phone number (MDN): IMFI	1511 X01 4407 S4400 00192 X8701 010	
Mensages	MEID:	-PO	
i About	all status:	Ready 05140000001497024102	
🕜 Help	MIN (MBID): ESN:	8097614407 8002874E	
	Home 910: ERI version:	4.5	
	HHL Version:	10.076	
	Status:	Available Varian	
	Signal strength (RSRP):	113 dBm	
	Band: Reaming:	15 No	

About MiFi USB730L - Diagnostics

<u>Modem</u>

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.
- **MEID** The Mobile Equipment Identifier (MEID) is used by the mobile data network to identify this particular modem.
- IMEI The International Mobile Equipment Identity (IMEI) number for the MiFi USB730L.
- **IMEISV** The International Mobile Equipment Identity (IMEI) combined with an approval number for the MiFi USB730L.
- **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 MiFi USB730L will not be able to connect to the mobile network.
- ICCID The ID number assigned to the SIM Card.
- **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 devices 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.



About MiFi USB730L Diagnostics - Modem

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 LTE.
- **SNR** A measure of signal quality; the higher the number the better the signal.
- **Band** Band number being used in the 4G LTE network.
- **Roaming** Indicates if roaming is currently being used.



About MiFi USB730L Diagnostics - 4G LTE Network

GSM/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 GSM/WCDMA/HSPA network. Possible values, from slowest to fastest are GPRS, EDGE, UMTS, HSDPA, HSUPA, HSPA+, and HSPA+ DC.
- **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 GSM/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.

GSM/UMTS/HSPA Netwo	ork	
Status:	Not Available	
Network operator:		
Technology:		
PLMN ID:		
Cell ID:	••••	
RSSI:		
Roaminer		

About MiFi USB730L Diagnostics - GSM/UMTS/HSPA Network

3G Network (eHRPD/EVDO/1xRTT)

The 3G Network (eHRPD/EVDO/1xRTT) section has the following options:

- Status Status of the network (Disabled, Not available, or Available).
- Field Test This function is not available for the MiFi USB730L Modem.
- **Network operator** The vendor that currently provides wireless access.
- **RSSI (1x)** Indicates the RSSI for the 1xRTT signal.
- **RSSI (EVDO)** Indicates the signal strength for the EVDO/eHRPD signal.
- **Technology** The type of technology used to connect to the Internet.
- **Ec/lo** A measure of how clean the signal is, and is a type of signal-to-noise ratio.
- **SID** System identifier for the network.
- **Roaming** Indicates if the current connection is a roaming connection.

3G Network (eHRPD/EVDO/1xl	RTT)
Status:	Not Available
Finid Test Network operator: RSSI (1X): RSSI (EVDO):	FPO
Technology:	
Ec/lo:	
SID:	
Roaming:	

About MiFi USB730L Diagnostics - 3G Network

Troubleshooting 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 MiFi USB730L Modem operation.

vertzon	Network status: Connected Disconnect Session Time: 00 hr 00 min Session Data: 200 22 KD	d	ЧGË	Verizon Wireless
Home	1 About			[ي.
👌 Data Usage	Internet Status Device Info Diagnostics	Troublesho	oting Logs	
✿ _o Settings	Logs are for froubleshooting, and are not needed for no Turn on logs	rmal operation.		
Q GPS	Delete system log Allor 3 day		If the system log is data is discarded, r acting	full, then the oldest egandless of Unis
Messages 1				Save Changes
i About				
? Help				
NOVATEL WIRELESS,				Mifi
Copyright 62015 Novatel Wireless	, Inc. All rights reserved. Mit-ris a registered trademark of Novatel Wireless	s, the creators and pal	ent holders of MiH	

About MiFi USB730L Troubleshooting Logs

Turn on Logs

To turn on system logs:





About MiFi USB730L Logs - Turn On

2 Click Save Changes.

Internet Status Dev	vice Info Di proviecs	Froubleship King Logs	
6 Logs are for troubleshop	ting, and are not it inded for it ima	l open un	
lum on logs	~		
Delete system log	After 3 days	 If the system log is LR, then I data is decarded, rependents interiors 	ne oktiert af this

About MiFi USB730L Logs - Save Changes

Turn Off Logs

To turn off system logs:

• Clear the checkbox next to **Turn on logs**.



About MiFi USB730L Logs - Turn Off





About MiFi USB730L Logs - Save Changes

Delete System Log

To delete a system log:

Select the checkbox next to Turn on logs. 0



About MiFi USB730L Logs - Turn On



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.

Internet Status	Device Info Diagnosti	Troubleshooting Logs	
C Logs are for troubles	booting, and are not prested to	e prestal repetition	
urn on logs	7		
	10 Part 10 Par		
elete system log	Ater: Java	 If the system log is to 	L then the oldest
elete system log	After Lidays After 1 day	 If the system log is to data is docarded, reg setting 	l, then the oldest ardiess of this
elete system log	After 1 days After 1 day After 2 days	d the system log is h data is docarded, log setting	I, then the oldest ardiess of this
lelete system log	After 2 Jays After 1 day After 2 days After 3 days	If the system log is fu data is docarded, reg arting	I, then the oldest ardiess of the Save Changes

About MiFi USB730L Logs - Set Delete System Log

6 Click **Save Changes**.

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 MiFi USB730L Modem.
- **Support** Contains Quick Links and Self Service Support sections with links to the same options available in Account & Tools (See <u>Account & Tools</u> on page 41.) and Help & Support (See <u>Help & Support</u> on page 45.).

vert <u>zon</u>	Network status: Connected Disconnect Session Time: 00 hr 54 mn Session Data: 194 MD	Verizon
Home	Help	
🕁 Data Usage	What do the LLD colors mean?	
🛱 o Settings	What is "Auto-connect" and it wood to share it?	
Q GPS	Do I need to install drivers on my computer? Will the USB modern work with a Table!?	
Messages	Why are some settings and options greyed out?	
6 About	How do Loheck my data usage when Lam roaming? Can Freach this Web interface when using VPN?	
? ⊮∳	I saw a message reterring to the "Device Administrator". Who is that?	
	How do Luse GPS?	





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MiFi USB730L - Help Page

Account & Tools

The Account & Tools menu contains the following options:

- My Verizon Wireless (See My Verizon Wireless on page 42.)
- **Coverage Map** (See <u>Coverage Map</u> on page 42.)
- Data Calculator (See Data Calculator on page 46.)
- Trip Planner (See Trip Planner on page 47.)



MiFi USB730L Web UI Home - Account & Tools

My Verizon Wireless

Clicking on **My Verizon Wireless** takes you to the Verizon Wireless website where you can manage your wireless service, sign in to your account or watch videos to learn more about your MiFi USB730L Modem.

My Verizon. At Your Service.	- E- Ha
The listicst, easiest way to manage your wiedess service. Online and on-the-go, 24/7. Sign in to your account or writch our videos to learn more about your device and what My Vertices can do for you.	GET MORE FOR LESS
User ID or Mobile Number: ROCACCECCOR	A family of 4 shares 10GB of data \$40 PER LINE monthly access when you activate 4 lines. No activation or upgrade fees.
Account Overview Account Overview Activate or Switch Device Add a New Device Add A New Device Add A Account Manager account Manager	14 ann More 148 months active per line for 13 GB IRCHE Everything on Verticer Edge.
Cel Parnethy D	
Change Address Change Email Address ? Your Account On-the-	Go With the My Verizon Mobile App
Change Features e, view and pay your bill and make other of Change Plan oblie App Linam More	changes to your wireless account and service with our live
My Verize	on Wireless

To sign in to your My Verizon account and access your account options:

- **1** Type your User ID or Mobile Number in the **User ID** or **Mobile Number** field.
- **2** Select the desired option from the **Take Me To** drop down menu.

Coverage Map

Clicking on **Coverage Map** takes you to the Coverage Locator on the Verizon Wireless website where you can view a detailed coverage map, including Data, Push to Talk, 4G LTE Data, Prepaid, and Voice & Messaging.

To display detailed information about Verizon Wireless coverage in your area (U.S.):

- Type your Street Address, City and State, or Zip code in the appropriate field, then click Search.
- To limit the coverage areas by service type, click the button by each service type desired, then click Refresh Map.
- **3** Use the map navigation tools to adjust the size and location of the area displayed.



Verizon Coverage Locator

To display detailed information about Verizon Wireless international coverage:

- Type your Street Address, City and State, or Zip code in the appropriate field, then click the magnifying glass icon.
- **2** To limit the coverage areas by service type, click the button by the service type desired.
- **3** Use the map navigation tools to adjust the size and location of the area displayed.
- Select what device you will take with you from the **Devices** panel. Select the brand from the **Select Brand** drop down menu, and the model from the **Select Model** drop down menu.

6 Click **Show me what I need** to display an overview of your trip information.

	RESIDENTIAL BUSINESS WREL	ESS	Español Stora Locato	r Dertard De Sign in Register 🌢 Carl 🕷
verizon	Explore Shop	My Verizon	Support	
Trip Planne	r			
Use our interacti	Location	Communicatio	in Devi	to see if your device is covered
	f am traveling to Raly France Spain	Keep in touch with	My Device Apple iPhone LTE 64G	: Plus 4G 3 Gold
			Show me v	shat I need

Verizon Trip Planner - Show me what I need

y Trip	Info						
verview	Options Dialing in	suucdons He	lp Coverage Map	5		Restart	Irip Planner - Dannel
You can use through My Y	the iPhone 6 PLs: 4G I Voizon to add the right: Voico Rate	TE 64GB Gold I global feature for Global Data	in voice, text and dat your noods. Pay as you Go	a in all selected o	cuntries: Before your Data Networks	tawi, signup for Glo Voice Networks	tal Services Your Duvice
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Force	Standard, \$1.29 Value Flan: \$0.99	\$26/100MB	\$0 020148 (\$20.40143)	\$0.60 cand \$0.05 receive	GPRS/UNTS/H3P	DAGSM Dual	1xRTT, 1xEVDO, LTE, GSM Quod Band, HSPA
Spain	Standard, \$1.29 Value Flan, \$0.99	\$26/100MB	\$0.020/KB (\$20.40/MB)	\$0.60 cond \$0.05 roceive	GPRS/UMTS/HSF	PAGSM Dual	1×RTT, 1×EVDO, LTE, GSM Quod Band, HSPA

Verizon Trip Planner - Options

Help & Support

When you click **Help & Support** from the Home page or from the **Help > Support** page, you can access the following options:

- Attend a Wireless Workshop (See <u>Attend a Wireless Workshop</u> on page 49.)
- **Community Forum** (See <u>Community Forums</u> on page 50.)
- Device Support Page & User Guide (See <u>Device Support Page & User Guide</u> on page 50.)

Data Calculator

Clicking on **Data Calculator** takes you to the Data Usage Calculator on the Verizon Wireless website where you can calculate your MiFi USB730L usage to determine which plan will best meet your needs.

To use the Data Calculator to select the best Verizon plan to meet your needs:

- Select your device type at the top of the page. Your choices are 3G and 4G Smartphones, 3G Mobile Broadband, and 4G Mobile Broadband.
- Select the correct usage amounts from each category, including email, web access, streaming music and video, uploading and downloading photos, 4G VoIP (if applicable), video calling and online gaming.

	110-0					
10 and 40 Smar	tphones	33 Mobile B	iroadband	43 Mot	ile Broadband	3C and 4C Mobile Broadsand values are for computers only
e Essentials						
E-Mail How many	text only amails	oo you sano?			1.46 MBm	Resel
5	25	.56	(30	250	Per Day 🛛 🔻	10+09
Web Act	c ess (Interne wat pages or ye	et and Intra	net)		0 MB (m)	x GB
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Pideo (Calling (do you speak w	ur video on al	e ansemet proto	dai metadaik/	0 MBino	600 MD/rr Voce Streaming (High Daf)+ 1 Gent Digital Photo (H-Rec) - 5 MB
Online	Games	etd siwim a	the games?		0 MBm	Viceo Calling (Average Bendwidth) - 400 NB/hr Viceo Calling (High Bandwidth) =

Verizon Data Calculator

Trip Planner

Clicking on **Trip Planner** takes you to the interactive Trip Planner on the Verizon Wireless website where you can determine the global services you need when you travel and see if your device is covered.

To use the interactive Trip Planner:

- **1** Select where you are going in the Location panel. Your choices are Country and Cruise Ship.
- Type in country or cruise ship and select from the drop down tab.
- **6** Click **Add to List**.
- **G** Repeat for additional locations, then click **Next**.

1	RESIDENTIAL BUSINESS WIRELES	9	Español	Store Locator	Contact Un	Sign in Flegister 🛔	Cart 🖷
verizon	Explore Shop	My Verizon	Support		ining)		۵
Trip Planne Use our interact	er tive Trip Planner to help you det	termine the global s	ervices you'll	need and t	o see if y	o <mark>ur d</mark> evice is o	overed.
	Location	Communicati	on	Devic	es		
	Country Cruise Ship Vise in examiny or cruise ship and relect from drop						
	Click Add to List Reposet for addRonal focations	FP	U				
	Spain tel Ang France						
				Show me wh	at i need		

Verizon Trip Planner - Enter Location

Select how you want to keep in touch in the Communication panel. Choose any combination from Voice/Messaging, Smartphone, Wireless Internet, and Tether/Hotspot.



Verizon Trip Planner - Enter Communication Type

Attend a Wireless Workshop

Clicking on Attend a Wireless Workshop takes you to the Verizon Wireless website where you can sign up for classes taught by Verizon experts to learn everything you need to know about your MiFi USB730L Modem.

To attend a Wireless Workshop:

- Select **Help & Support > Attend a Wireless Workshop** on the MiFi USB730L Web UI Home page to display the Wireless Workshops page.
- Enter your Zip Code into the **Enter Zip Code** field, or select a City and State from the dropdown menu.
- Click **View Workshops** to display a list and description of available in-store workshops in your selected location.
- To register, choose a location and time from the available options, then click **Register**.
- Enter the required information on the Registration form, then click **Register**.





Community Forums

Clicking on **Community Forums** takes you to Community Forums on the Verizon Wireless website where you can select the type of device you are interested in learning about and read questions and answers from other device users.

To access the MiFi USB730L 4G LTE Mobile Hotspot Forum and ask a question or read questions and answers from other device users:

• Select **MiFi USB730L** from the carousel of devices at the top of the page.

2 Enter your question into the **Type your question** field, then click **Ask it**.

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veri <u>zon</u>	Shop - Support -	My Verizon 🤟	search	verizonwireless.com	Q,
HOME DEVICES & TO	PICS BROWSE ~	S	gn In / Register Se	earch the Community Forums	Q
	PLACES > ADDITIONAL DEVICES & PRODUCTS				
A A	dditional Devices	& Products			
				Actions ~ About	Share
		-	and a		0
Galaxy Camera	Delphi Devices Ellips Jetpack	G ITE Route Br	roadband/Netbook	Network Extender	0
	Г	ΓU			
Ask Additional D	evices & Products				
Type your question					
Ask it					
_					
				f 💶 🗠 🕂 🕂 🕕	
	Recent Content				
	Can I ditch my landline interne retwork extender & hotspot in 11 hours and	t service and use a stead? By a	spamal na 💄 💡	Actions	
	My Mift hotspot has "no batter	γ" on the screen. It is		Miew leads	
	 Pot charging when (plug if into laptop? is the battery fried? 11 hours aga 	the wall or my by A	rzade1620 🙎		

Verizon Support - Community Forums

Device Support Page & User Guide

Clicking on **Device Support Page & User Guide** takes you to Wireless Support section on the Verizon Wireless website where you can access Top Device Questions, Articles, Community Advice, and Features & Apps.

The Verizon USB730L Dashboard is an optional application that provides device status and usage information on your computer's desktop. To use it, you must first download and install the dashboard application.

Setup on Your PC

To download and install the Dashboard on your PC computer:

- **1** Go to <u>http://www.verizonwireless.com/support/verizon-USB730L</u>.
- **2** Download the Verizon USB730L Dashboard installation file to the Desktop.
- **6** To launch the installer, double-click the Verizon USB730L Dashboard Installer icon.



Verizon USB730L Dashboard Installer Icon





Verizon USB730L Dashboard Installer

Verizon U620L Dash	hboard - Insta	llShield Wizar	d	×
License Agreement Please read the following license agreement	ent carefully.		と	
READ THIS SOFTWARE LICENSE AG CAREFULLY BEFORE USING THE SO AGREEMENT (THE "SOFTWARE"). I SOFTWARE, YOU ARE AGREEIND TO LICENSE AGREEMENT. IF YOU DO LICENSE Agreement, DO NOT USE T THE SOFTWARE INDICATES THAT YO	REEMENT ("LICE FTWARE ACCOM BY INSTALLING A DE BOUND BY T NET AGREE TO THE SOFTWARE. OU ACCEPT THE	ENSE AGREEMEN MPANIED BY THI AND USING THE THE TERMS OF THE THE TERMS OF THE USING ANY POF SE TERMS.	NT") ^ S LICENSE HIS THIS RTION OF	
PERMITTED USES AND RESTRICTIO	ONS		~	,
I accept the terms in the license agreement Print			Print	
I do not accept the terms in the license ag	greement			
Instali5nield	< Dack	Next	Cancel	7
	< BGCK		Cancer	

Verizon USB730L Dashboard Installer - Accept License Terms

6 Select the appropriate check boxes if you wish to create a Desktop shortcut, automatically check for application updates or start the Verizon USB730L Dashboard when Windows starts. Click **Next** to continue.



Verizon USB730L Dashboard Installer - Options

Click the appropriate button to specify if the Verizon USB730L Dashboard is being installed for all users or only for the current user, then click **Next** to start the installation process.

🕼 Verizon U620L Da	ashboard - InstallShield Wizard ×
Ready to Install the Program The wizard is ready to begin installation	n.
If you want to review or change any of the wizard. Install this application for:	Fyour installation settings, click Back. Click Cancel to exit
Anyone who	o uses this computer (all users)
InstallShield	< Back Install Cancel

Verizon USB730L Dashboard Installer - Options

8 When the installation process completes, select **Launch Verizon USB730L** if you wish to launch and use the Dashboard, then click **Finish**.



Verizon USB730L Dashboard Installer - Finish

Dashboard Operation

To use the Verizon USB730L Dashboard, do the following:

To launch the Dashboard, double-click the Verizon USB730L Dashboard icon on your Desktop:



Verizon USB730L Dashboard Icon

For proper operation of the Verizon USB730L Dashboard, you must first plug your MiFi USB730L Modem into the USB port of your computer. The following warning displays while the Dashboard is searching for your MiFi USB730L Modem or if it is not plugged in:



It may take several minutes while the Dashboard searches for and connects to your USB730L Modem.



Verizon USB730L Dashboard Warning

6 The Verizon USB730L Dashboard displays after it connects to your USB730L Modem:



Verizon USB730L Dashboard

- The Data Usage section allows you to obtain your current estimated data usage for your MiFi USB730L. Click data as needed to refresh the displayed data usage statistics.
- Click Settings to access the MiFi USB730L Web UI Home page to manage the settings for your MiFi USB730L. (See <u>Home</u> on page 13.)
- **6** Click **About USB730L** to view software version, configuration version and wireless number information for your MiFi USB730L Modem.



About USB730L Modem

About USB730L Modem contains the following information:

- **Model** Model number for the modem.
- Manufacturer Name of the modem manufacturer.
- **Current SW Version** Current software version for the MiFi USB730L Modem.
- **Configuration Version** Current configuration version for the MiFi USB730L Modem.
- Wireless Number Verizon wireless number assigned to the modem.
- To close the Verizon USB730L Dashboard, click



Close Verizon USB730L Dashboard

System Tray Dashboard Operation

Alternatively, you can also launch and operate the Verizon USB730L Dashboard from the System Tray, located in the bottom right corner of Windows. Click down reopen the Dashboard after closing it.



To access and operate the Verizon USB730L Dashboard from the System Tray, right-click Z. The Dashboard context menu displays:



Windows System Tray

You can perform the following functions from the Dashboard context menu displays:

Click About USB730L Dashboard to view software version and release date information for your MiFi USB730L Modem.

About U620L Dashboard ×
U620L Dashboard Published by Novatel Wireless, Inc. Version 1.0.0.8 Released 6/7/201
ОК

About USB730L Dashboard

- **2** Click **Open** to open the Verizon USB730L Dashboard.
- **6** Click **Exit** to exit the Dashboard context menu
- Click Start with Windows if you wish to start the Verizon USB730L Dashboard when Windows starts.
- Click Check for application updates if you wish to automatically check for application updates.

Setup on Your Mac

To download and install the Dashboard on your Mac computer:

- **1** Go to <u>http://www.verizonwireless.com/support/verizon-USB730L</u>.
- **2** Download the Verizon USB730L Dashboard installation file to the Desktop.
- **3** To launch the installer, double-click the Verizon USB730L Dashboard Installer icon'.
- **When installer launches, click Continue.**



Verizon USB730L Dashboard Installer

Select I accept the terms in this license agreement, then click **Save**.

	🥪 Install
	Software License Agreement
a Introduction	English
Introduction	Disclaimer and Limitation of Liability
Head Me	Parallel and Earlier of Caloring
License	READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE AGREEMENT") CAREFULLY BEFORE USING THE SOFTWARE
 Destination Select 	ACCOMPANIES IN THIS LICENTS AGREEMENT (THE "SOFTWARE"). BY INSTALLING AND USD OF HE SUFTWARE, YOU ARE ADDEDING
Installation Type	TO BE Bound B THE LEADS OF THE LICENSE AGREEMENT. IF YOU
Installation	USE THE SOFTWARE, USING ANY PORTION OF THE SOFTWARE
 Summary 	INDICATES THAT YOU ACCEPT THESE TERMS.
	PERMITTED USES AND RESTRICTIONS
	You may install and use the Software on a single computer or digital device at a
	time. You may use the Software (in object code form) as reasonably necessary
14666	for the use authorized by this License Agreement, including one copy for backup
	Software. You may not modify, lease, loan, distribute or create derivate works of
	the Software. Except as permitted by applicable law and this License Agreement,
	you may not reverse engineer, decompose, reverse engineer or disassemble the Software.
	Print Save Go Back Continue

Verizon USB730L Dashboard Installer - Software License Terms

6 Click **Install** to perform a standard installation.

• • •	🥪 Install	
	Standard Install on "Samsung SSD"	
IntroductionRead MeLicense	This will take 36 MB of space on your computer. Click Install to perform a standard installation of this software on the disk "Samsung SSD".	
Destination Select		
Installation Type		
Installation		
Summary		
	Change Install Location	
	Go Back Install	

Verizon USB730L Dashboard Installer - Install

Click Continue Installation to confirm the installation process.

0 0 0	💝 Install	
• Introductio	When this software finishes installing, you must restart your computer. Are you sure you want to install the software now?	
Read Me		software
License	Cancel Continue Installation	
 Destination select 		
Installation Type		
Installation		
 Summary 	ΓFU	
NOL		
	Change Install Lo	ocation
	Go Back	Install

Verizon USB730L Dashboard Installer - Confirm Installation

8 When the installation process completes, select **Verizon USB730L Dashboard** if you wish to launch and use the Dashboard, then click **Continue**.

000	💝 Install	0
 Introduction Read Me License Destination Select Installation Type Installation Summary 	 Install The installation was completed successfully. Verizon U620L Dashboard has been successfully installed. Please find "Verizon U620L Dashboard" app in /Applications directory, please lau ch the application. Verizon U620L Dashboard will detect when a N rr14GUTE USB 620L Modern is connected to a USB port on usis mac. Please click to Continue. 	
	Go Back Restart	

Verizon USB730L Dashboard Installer - Finish

Dashboard Operation

To use the Verizon USB730L Dashboard, do the following:

To launch the Dashboard, double-click the Verizon USB730L Dashboard icon on your Desktop:



Verizon USB730L Dashboard Icon

For proper operation of the Verizon USB730L Dashboard, you must first plug your MiFi USB730L Modem into the USB port of your computer. The following warning displays while the Dashboard is searching for your MiFi USB730L Modem or if it is not plugged in:



It may take several minutes while the Dashboard searches for and connects to your MiFi USB730L Modem.



Verizon USB730L Dashboard Warning

6 The Verizon USB730L Dashboard displays after it connects to your USB730L Modem:



- The Data Usage section allows you to obtain your current estimated data usage for your MiFi USB730L. Click data as needed to refresh the displayed data usage statistics.
- Click Settings to access the MiFi USB730L Web UI Home page to manage the settings for your MiFi USB730L. (See <u>Home</u> on page 13.)
- **6** Click **About USB730L** to view software version, configuration version and wireless number information for your MiFi USB730L Modem.



About USB730L Modem

About USB730L Modem contains the following information:

- **Model** Model number for the modem.
- Manufacturer Name of the modem manufacturer.
- **Current SW Version** Current software version for the MiFi USB730L Modem.
- Configuration Version Current configuration version for the MiFi USB730L Modem.
- Wireless Number Verizon wireless number assigned to the modem.
- To close the Verizon USB730L Dashboard, click



Close Verizon USB730L Dashboard

System Tray Dashboard Operation

Alternatively, you can also launch and operate the Verizon USB730L Dashboard from the Finder. Click **E** to reopen the Dashboard after closing it.



Mac Finder

To access and operate the Verizon USB730L Dashboard from the Finder, right-click **E**. The Dashboard context menu displays:

You can perform the following functions from the Dashboard context menu displays:

Click About USB730L Dashboard to view software version and release date information for your MiFi USB730L Modem.



About USB730L Dashboard

- **2** Click **Open** to open the Verizon USB730L Dashboard.
- **6** Click **Exit** to exit the Dashboard context menu
- **O** Click **Start with Mac** if you wish to start the Verizon USB730L Dashboard when the Mac starts.
- S Click **Check for application updates** if you wish to automatically check for application updates.

Your MiFi USB730L 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

• Open the protective cover on the back of the MiFi USB730L by pressing gently on the cover with your thumb and sliding the door off.



Insert the 4G LTE 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.



Gently push the 4G LTE SIM Card forward until the spring catches and the card remains securely in the slot.

G Replace the back cover and snap into place.



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

NOTE

Should your SIM Card be lost or damaged, visit **verizonwireless.com/myverizon** to order a replacement SIM Card. You can also call 1-800-922-0204 to speak with a Customer Service Representative. For toll-free support outside of the U.S. call +1-908-559-4899 for 24/7 global support. For additional information about 4G SIM Cards, visit **verizonwireless.com/4GSIM**.

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.

The Verizon Wireless 4G LTE SIM Card is compatible with any Verizon Wireless 4G LTE certified device. You can move the 4G LTE SIM Card from one device to another and your wireless service will work seamlessly as long as you have a compatible device and service plan. To see which devices are compatible with the Verizon Wireless 4G LTE SIM Card, visit **verizonwireless.com/certifieddevice**.

Troubleshooting

Overview Common Problems and Solutions Technical Support

Overview

When properly installed, the MiFi 4G LTE Global USB Modem USB730L 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 MiFi 4G LTE Global USB Modem USB730L.

First Steps

- Make sure you are using the device in the correct geographic region. Be sure you have 4G Mobile Broadband and Mobile Broadband service with the MiFi 4G LTE Global USB Modem USB730L in the U.S.
- Ensure that your wireless coverage extends to your current location.
- Ensure you have an active subscription plan.
- Restarting your computer and your modem can resolve many issues.

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

The following are some common problems and solutions.

My computer 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 computer.

Technical Support

Customer Service

For Customer Service while in the U.S. or Canada, call 1-800-922-0204.

Data Technical Support

For additional information and technical support for Verizon Wireless devices, you can visit the Verizon Wireless Data Technical Support page at: <u>http://www.verizonwireless.com/b2c/support/data.jsp</u>.
4

Product Specifications and Regulatory Information

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

Product Specifications

General

Name:	MiFi 4G LTE Global USB Modem USB730L
Model:	MC730
Approvals:	FCC (North America); ISED (Canada); GCF; UL2853
Weight:	59 g (2.08 oz)
Dimensions (with USB	83 mm x 35 mm x 11.4 mm
folded out):	(3.27 in x 1.38 in x 0.45 in)
Chip Set:	QUALCOMM [®] MDM9640
Interface Type:	Fold-away, rotating USB

Technology/Bands

Technology:	CAT 6 LTE w/CA; CDMA EV-DO rA
Band Designation:	US LTE Bands: B2/B4/B5/B13
	Global LTE Bands: B3/B4
	LTE-U
	Carrier Aggregation: 13+4, 13+2
	CDMA EV-DO rA: BC0/BC1
	Quad band: UMTS/HSPA B1/B2/B5/B8
	Quad band: GPRS/EDGE B2/B3/B5/B8
	sGPS/XTRA Capable

Environmental

Operating Temperature:	0° C to +45° C (32° 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

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 and Industry Canada ICES-003: CAN ICES-3(B)/NMB-3(B). 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. THE USB730L IS FACTORY TUNED. NO CUSTOMER CALIBRATION OR TUNING IS REQUIRED. CONTACT VERIZON 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 Verizon Wireless, Inc. may void your authority to operate the equipment.

Avis de la commission fédérale des communications (FCC – États-Unis)

Les appareils électroniques, y compris les ordinateurs et les modems sans fi l, génèrent de l'énergie RF en lien avec leur fonction prévue et sont donc soumis aux règlements de la FCC.

L'équipement a été testé et s'est qualifi é à l'intérieur des limites acceptables d'un appareil digital de Classe B conformément à l'article 15 du règlement de la FCC et la NMB-003 d'Industrie Canada: CAN ICES-3(B)/NMB-3(B). Ces limites sont conçues pour fournir une protection raisonnable contre le brouillage préjudiciable lorsque l'équipement est utilisé dans un environnement résidentiel.

L'équipement génère de l'énergie des fréquences radio et est conçu pour être utilisé conformément au guide de l'utilisateur du fabricant. Toutefois, rien ne garantie qu'il n'y aura aucune interférence dans un endroit donné. Si l'équipement est la cause de brouillage préjudiciable de la réception d'une radio ou d'une

télévision, ce qui peut être déterminé en allumant et en éteignant l'appareil, essayez de corriger le brouillage à l'aide de l'une des mesures suivantes :

- Changer l'orientation ou la position de l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Contacter le détaillant ou un technicien radio ou de télévision.

Cet appareil est conforme à l'article 15 du règlement de la commission fédérale des communications (FCC). L'utilisation est soumise aux deux conditions suivantes :

Cet appareil ne doit pas causer de brouillage préjudiciable.

• Cet appareil doit accepter l'interférence reçue, y compris l'interférence qui pourrait causer une opération indésirée.

MISE EN GARDE : NE PAS TENTER D'EFFECTUER L'ENTRETIEN DU DISPOSITIF DE COMMUNICATION SANS FIL VOUS-MÊME. UNE TELLE ACTION POURRAIT ANNULER LA GARANTIE. LE OVATION EST RÉGLÉ À L'USINE. LE CLIENT N'A PAS À LE CALIBRER OU LE RÉGLER. CONTACTER LE SOUTIEN TECHNIQUE DE NOVATEL WIRELESS TECHNICAL SUPPORT POUR DES RENSEIGNEMENTS SUR L'ENTRETIEN DU DISPOSITIF DE COMMUNICATION SANS FIL.

MISE EN GARDE DE LA FCC : Les modifications qui ne sont pas approuvées expressément par la partie responsable de la conformité pourraient annuler le droit que l'utilisateur a d'exploiter cet équipement. MODIFICATIONS : La FCC exige que l'utilisateur soit averti que toute modification faite à cet appareil, sans l'approbation expresse de Novatel Wireless, Inc., pourrait annuler son droit d'utiliser cet équipement. Renseignements sur l'exposition aux fréquences radio et le débit d'absorption spécifi que (DAS)

Le DAS de ce produit a été évalué et il respecte les directives de la FCC concernant l'exposition aux ondes radioélectriques.

RF Exposure/Specific Absorption Rate (SAR) Information

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

Equipment Authorization FCC ID: PKRNVWMC730, ISED IC ID: 3229A-MC730 PN: USB730L

Your wireless modem is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless devices including mobile USB Modems and wireless modems uses a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standard operating positions reviewed by the FCC with the device under test transmitting at its highest certified power level in all frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the USB modem while operating can be well below the maximum value. This is because the USB modem is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before this device is made available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations as required by the FCC for each model.

CAUTION

This USB modem is approved for use in normal-size laptop computers only. To comply with FCC RF exposure requirements, this modem should not be used in configurations that cannot maintain at least 5 mm from users and bystanders. For example, this modem should not be used in certain laptop and tablet computers and configurations where the USB connectors are unable to provide or ensure the necessary separation is available between the modem and its users to satisfy compliance.



Please ensure that the modem is positioned as indicated in the illustrations to maintain SAR compliance and for 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 above please ensure the device maintains a separation distance of at least 5 mm.

NOTE: The MiFi 4G LTE Global USB Modem USB730L is not a handheld device.

D d'autorisation du matériel de la FCC ID: PKRNVWMC730, ISED IC ID : 3229A-MC730 PN : USB730L

Le modem sans fi l est un émetteur et receveur radio. Il est conçu et fabriqué pour ne pas dépasser les limites d'expositions à l'énergie des fréquences radio (RF) émises par la commission fédérale des communications (FCC) du gouvernement des États-Unis. Ces limites font partie de directives complètes et constituent les niveaux d'énergie RF permis pour l'ensemble de la population. Les directives sont fondées sur des normes mises au point par des organisations scientifi ques indépendantes à l'aide de périodiques et de l'évaluation rigoureuse d'études scientifi ques. Les normes comprennent une marge de sécurité substantielle conçue pour assurer la sécurité de la population, peu importe l'âge et l'état de santé.

Les normes sur l'exposition des appareils sans fi l, comprenant les modems USB mobiles et les modems sans fi l, utilisent une unité de mesure appelée « débit d'absorption spécifi que » ou « DAS ». Les tests pour le DAS sont faits à l'aide de positions d'utilisation habituelles étudiées par la FCC quand l'appareil testé émet

à sa puissance certifi ée maximale sur toutes les bandes de fréquence. Même si le DAS est déterminé à la puissance certifi ée maximale, le niveau du DAS du modem USB en marche peut être largement inférieur à la valeur maximale. Une telle chose se produit parce que le modem USB est conçu pour fonctionner à

différentes puissances afin de n'utiliser que la puissance nécessaire pour rejoindre le réseau. En général, plus l'utilisateur est près de la station de base sans fil, moins la puissance est grande.

Avant que l'appareil soit rendu disponible pour le grand public, il doit être testé et la FCC doit recevoir une certifi cation attestant qu'il ne dépasse pas la limite établie par la prescription sur l'exposition sans danger adoptée par le gouvernement. Les tests sont conduits aux positions et aux endroits requis par la FCC pour chaque modèle.

MISE EN GARDE : Ce modem USB est approuvé pour une utilisation avec un ordinateur portable de taille normale seulement. Pour être conforme aux exigences sur l'exposition aux fréquences radio de la FCC, ce modem ne devrait pas être utilisé si sa position ne lui permet pas de le maintenir à au moins 5 mm des utilisateurs ou des passants. Par exemple, ce modem ne devrait pas être utilisé avec certains ordinateurs portables et tablettes électroniques dont les connecteurs USB ne peuvent fournir la distance nécessaire entre le modem et son utilisateur pour assurer la conformité.

Bien vouloir s'assurer que le modem est positionné comme indiqué dans les photos pour maintenir la

conformité au DAS et pour jouir de l'effi cacité maximale. Ce modem a été conçu et testé conformément au DAS indiqué dans les directives de la FCC. Si le modem est connecté à un port USB différent de ceux décrits ci-dessus, bien vouloir s'assurer que l'appareil demeure à une distance d'au moins 5 mm.

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.

Verizon Wireless 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 USB730L, or failure of the USB730L to transmit or receive such data.

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.

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.