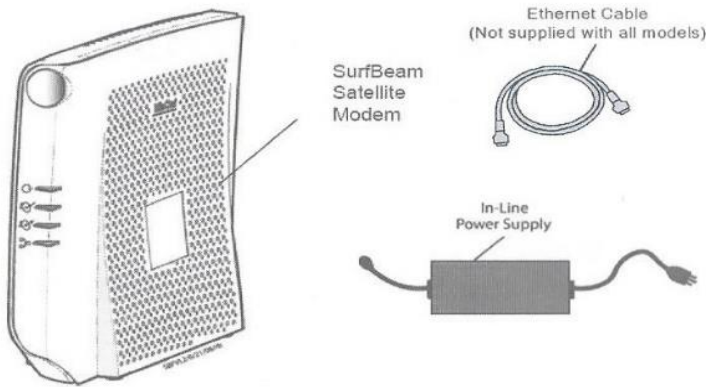


STEP 1

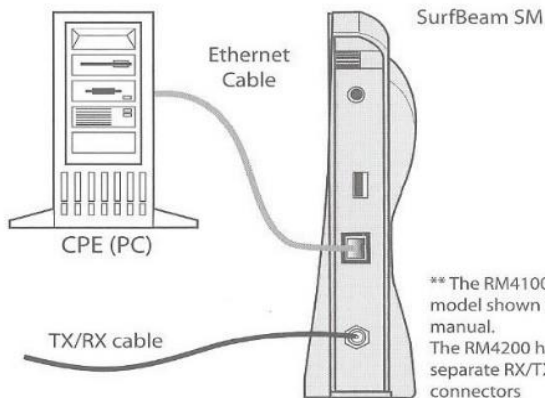
The SurfBeam® 2 Satellite Modem (SM) includes everything shown here.

1. Place the Satellite Modem (SM) near your computer.
2. Keep it away from heat, liquid, and magnetic interference.



STEP 2

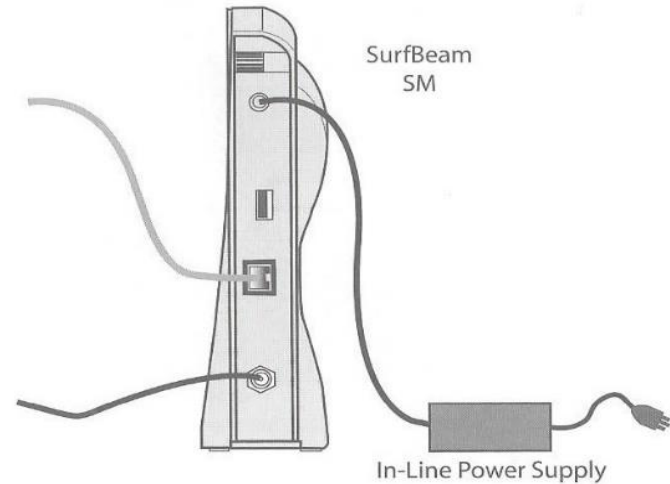
1. Connect one end of the Ethernet cable to the SurfBeam 2 SM and the other to the Network Interface Card in your computer.
2. Connect and hand-tighten the TX cable from the TX connector of the outdoor unit (ODU) to the SurfBeam 2 SM.



\*\* The RM4100 is the model shown in this manual. The RM4200 has separate RX/TX connectors

STEP 3

1. Plug the in-line power supply into the SurfBeam 2 SM, and then into the AC power source.
2. AC requirements are: 115 or 220 VAC, 50-60 Hz.

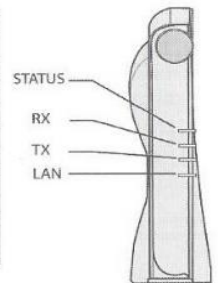


STEP 4

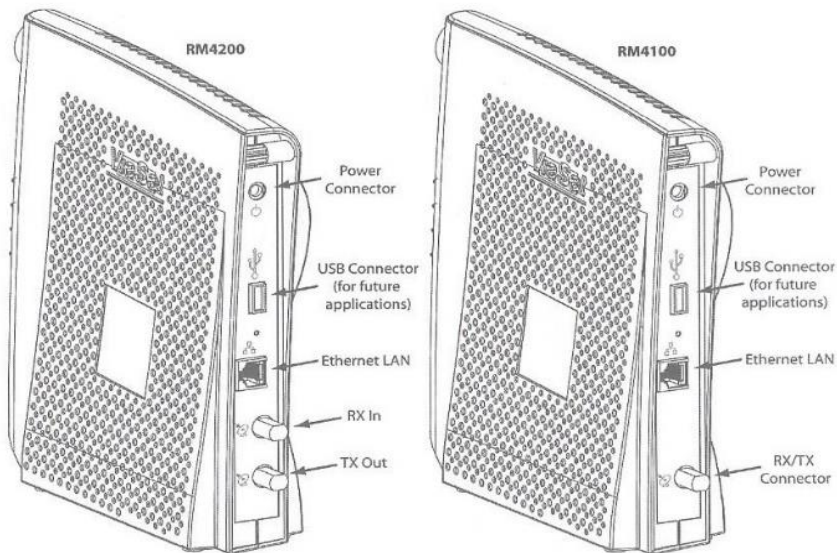
Watch the SurfBeam 2 SM front panel indicators. The RX indicator should flash while acquiring the satellite signal. When the RX indicator goes on steady, the SM is registered.

**Note: You must configure your computer to obtain an IP address from the DHCP server. Refer to your computer's operating system (O/S) documentation for instructions.**

Status	Rx	Tx	LAN	
[Off]	[Off]	[Off]	[Off]	Power is off
[On]	[On]	[On]	[On]	BIST of LEDs - all LEDs on for 2 seconds after power up
[Flicker]	[Flicker]	[Flicker]	[Flicker]	FL Scanning in progress
[Blink]	[Blink]	[Blink]	[Blink]	Network Entry in progress
[Blink]	[Blink]	[Blink]	[Blink]	DHCP/Config TFTP in progress
[On]	[On]	[On]	[On]	Online
[Blink]	[Blink]	[Blink]	[Blink]	Software Download in progress
[On]	[On]	[On]	[On]	Fault detected
[Blink]	[Blink]	[Blink]	[Blink]	Installation mode in progress
[On]	[On]	[On]	[On]	Terminal is transmitting during normal operation
[On]	[On]	[On]	[On]	Terminal is receiving during normal operation



**Key** On: [On] Off: [Off] Blink: [Blink] Flicker: [Flicker] LAN: [LAN]

**Rear Panel Connectors:****If you have a problem:**

1. Make sure you have satellite service. (The RX indicator should be on.)
2. Make sure you have the Ethernet connection. (The LAN indicator should be on.)
3. Make sure you are transmitting to the satellite. (The TX indicator should flash when transmitting.)
4. Make sure all of the connections are correct and tight.
5. Try resetting the SM and in-line power supply. (Disconnect the in-line power supply from the AC power source, wait AT LEAST one minute, and then reconnect power.) The SM should go through acquisition and registration process again.

**WARRANTY INFORMATION**

ViaSat, Inc. does not provide a warranty to the end user for this product. Any such warranty from ViaSat, including the implied warranty of merchantability or fitness for a particular purpose, is hereby disclaimed.

Your service provider may provide a warranty for this product. For warranty information and repairs, please contact your service provider.

**TRADEMARK NOTICE**

SurfBeam 2, the SurfBeam 2 logo, ViaSat and the ViaSat logo are trademarks or registered trademarks of ViaSat, Inc. in the U.S. and/or other countries.

**DOCUMENTATION NOTICE**

©Copyright 2011 ViaSat, Inc. All rights reserved.

The information, specifications, and features contained in this document are subject to change without notice and should not be construed as a commitment by ViaSat, Inc.

**IMPORTANT SAFETY PRECAUTIONS**

BEFORE INSTALLING THE SATELLITE MODEM, MAKE SURE YOUR ELECTRICAL OUTLET IS PROPERLY WIRED AND YOUR COMPUTER EQUIPMENT IS PROPERLY GROUNDED. CONSULT WITH A LICENSED ELECTRICIAN IF YOU ARE NOT SURE.

READ AND UNDERSTAND ALL OPERATING INSTRUCTIONS IN THIS USER'S GUIDE.

READ AND UNDERSTAND ALL SAFETY PRECAUTIONS PRIOR TO CONNECTING ANY CABLES TO THE SATELLITE MODEM.

**Warnings** - A WARNING is defined as a procedure or practice that, if not correctly followed, could result in injury, death, or long term health hazard. Always observe the following WARNINGS:

There are no user-serviceable parts inside any of the equipment in your system. There are potentially lethal voltages inside the equipment. It should only be opened by a technician trained and certified to service the product.

**RF Radiation Hazard.** The transmitting equipment is capable of generating RF levels above the maximum permissible uncontrolled exposure level. Do not enter the radiation beam pattern of the transmitter feed horn and / or antenna when the transmitter is on.

When the Satellite Modem is powered on, DC voltage is present on the rear panel TX and RX connectors.

To prevent fire or shock hazard, do not expose this appliance to rain or moisture. The apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

Postpone satellite modem installation until there is no risk of thunderstorm or lightning activity in the area.

To prevent electrical shock, if the unit is provided with a polarized plug, do not connect the plug into an extension cord, receptacle or other outlet unless the plug can be fully inserted with no part of the blades exposed.

The In-Line Power Supply input power cord must be connected to a properly grounded three-prong AC outlet. Do not use adapter plugs, or remove the grounding prong from the plug.

**Cautions** - A CAUTION is defined as a procedure or practice that, if not correctly followed, could result in equipment damage or destruction. Always observe the following CAUTIONS: Only use the in-line power supply provided with the SM. Using a different power supply may cause equipment damage.

To ensure regulatory and safety compliance, use only the provided power and interface cables.

Do not open the unit. Do not perform any servicing other than that contained in the installation and troubleshooting instructions. Refer all servicing to qualified service professional.

Avoid damaging the satellite modem with static by first touching the coaxial cable connector when it is attached to the earth grounded coaxial cable wall outlet. Always first touch the coaxial cable connector on the satellite modem when you are disconnecting or re-connecting your Ethernet cable from the satellite modem or your PC.

To prevent overheating, do not block the ventilation holes on the sides of the unit.

Only wipe the unit with a clean, dry cloth. To avoid equipment damage, never use cleaning fluids or similar chemicals. Do not spray cleaners directly on the unit or use forced air to remove dust.

The user should install an AC surge arrestor in the AC outlet to which this device is connected. This is to avoid damaging the equipment by local lightning strikes and other electrical surges.

**Notices**

This product was qualified under test conditions that included the use of the supplied cable between system components. To be in compliance with regulations, the user must use this cable and install it properly.

Different types of cord sets may be used for connections to the main supply circuit. Use only a main line cord that complies with all applicable product safety requirements of the country of use.

Installation of this product must be in accordance with national wiring codes.

Hereby, ViaSat, Inc., declares that this Satellite Modem is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.