WiMAX

USB MODEM

User Manual

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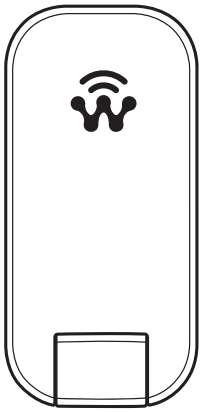
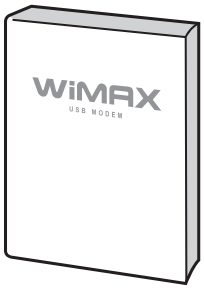
Product Overview

Product Package Contents

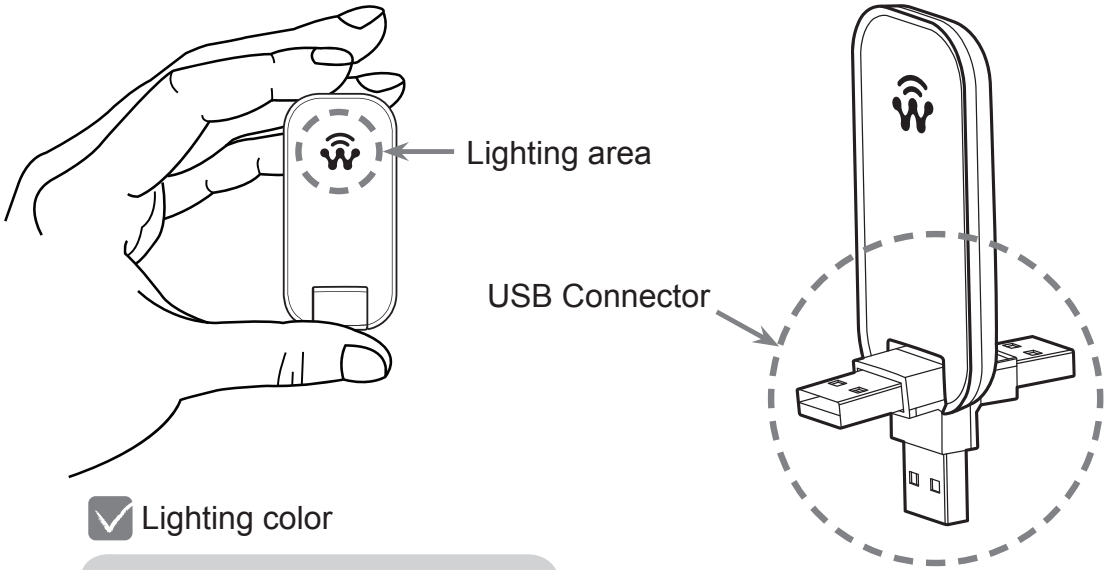


USB Modem



User Manual

Parts Description



Lighting color

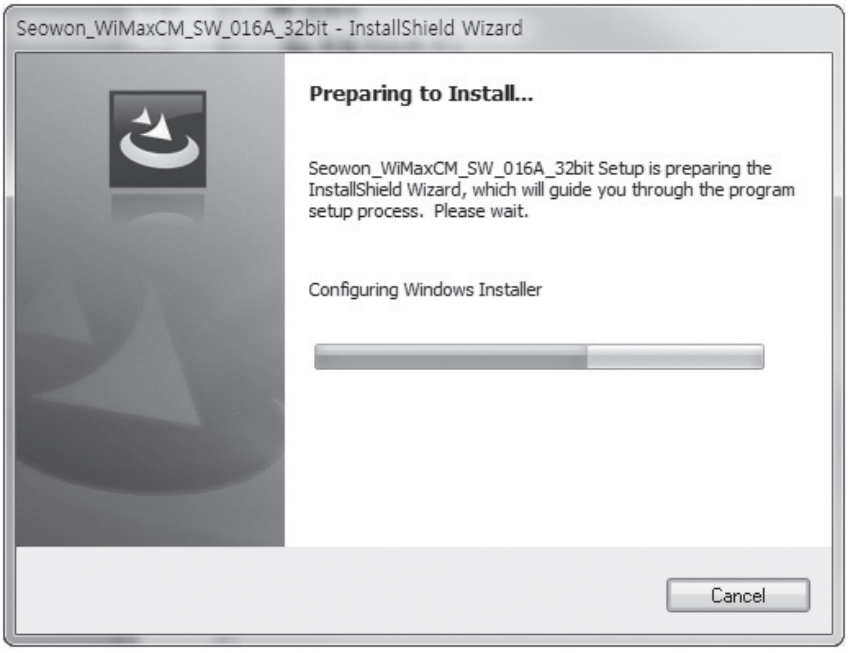
Red : Powered ON
Purple : Stand by
Blue : Connected

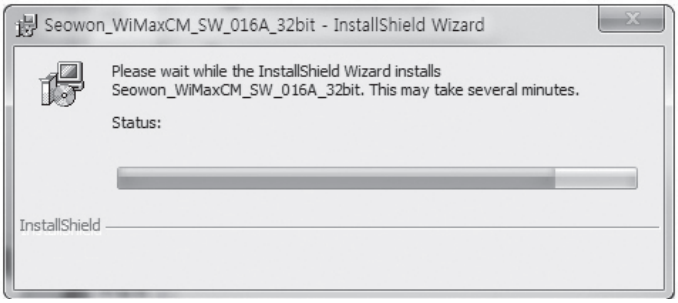
System Requirements

CPU & memory	Pentium IV Processor or faster, 128MB RAM or more
Interface	USB 2.0
Supported OS	Windows XP / Windows Vista / Windows 7

Installing Seowon WiMAX CM

- Turn on your computer. Close all other applications.
- Insert a USB modem into your USB port.
- Your computer will recognize the modem and automatically start the installation.

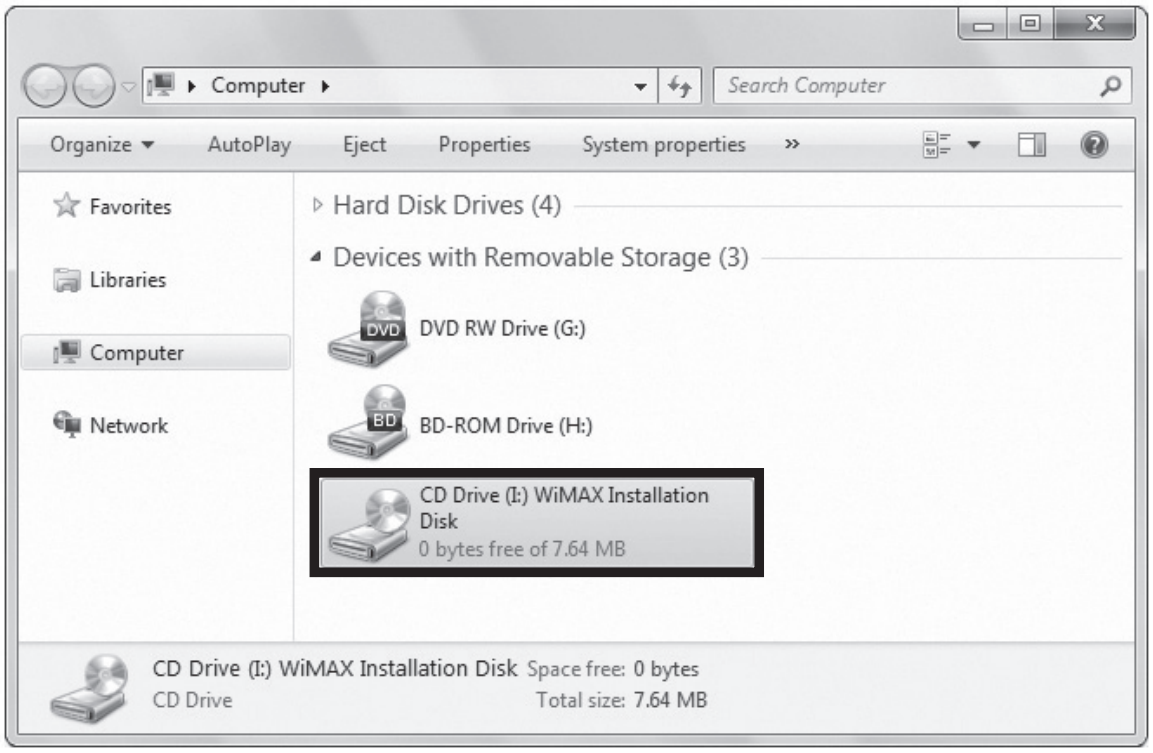




Installing Seowon WiMAX CM

▶ If the installation program does not launch automatically, go to My Computer. Select ‘WiMAX Installation Disk’ and double click it.

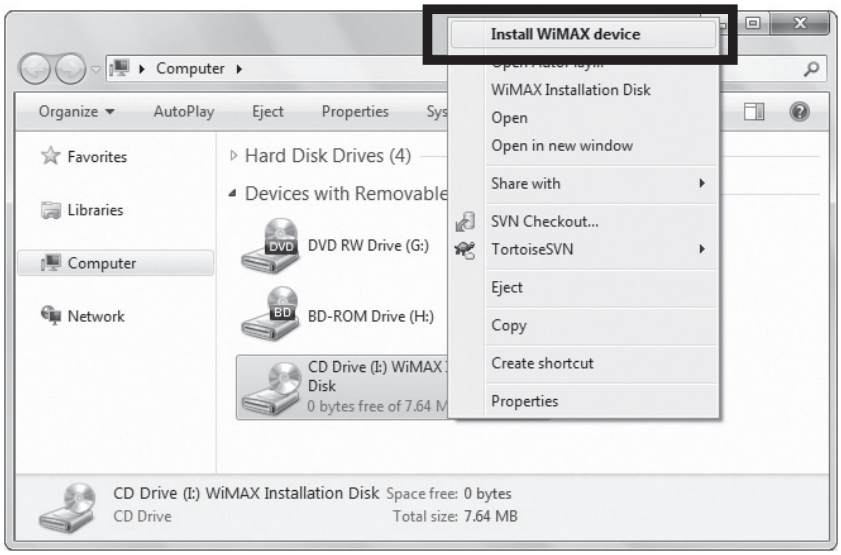
[Desktop] ▸ [My Computer] ▸ [WIMAX Installation Disk]

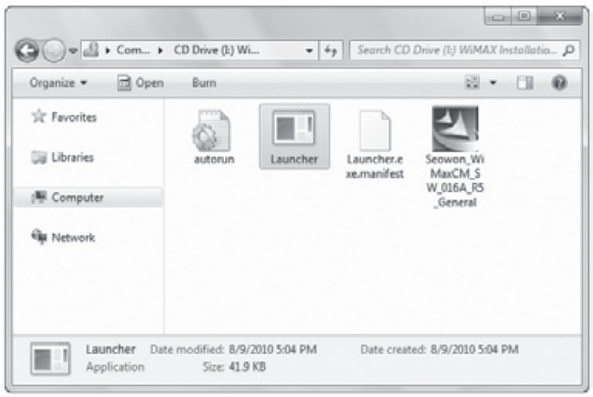


Installing Seowon WiMAX CM

▶ Or you click the RIGHT mouse button on WiMAX CD drive. Select ‘Install WiMAX device’ and then the installation sequence will begin.

[Desktop] ▸ [My Computer] ▸ [WIMAX Installation Disk (RIGHT mouse button)] ▸ [Install WiMAX device (Select)]





▶ Or select OPEN at the pop-up menu. Double click ‘Launcher’ It will start the installation process.

Common Operations

Getting Started

▶ To start Seowon WiMAX CM,
Double click on the Seowon WiMAX CM icon on your desktop.

Click [Seowon WiMAX CM]

▶ Or click on the Windows Start menu
and select 'Seowon WiMAX CM' from the list of programs.

[Start] ▸ [Program] ▸ [Seowon WiMAX CM] ▸ [Seowon WiMAX CM]

Common Operations

Connecting to Network : EAP-TTLS

- After the installation is complete, enter your Log-in ID and Password. If “Save login and password” is checked, Seowon WiMAX CM will save your ID and PW.
  (You just need to click “connect” next time Seowon WiMAX CM launches.)

- Click the [Connect] button in Compact View.

- Then, the messages of "Connecting", “IP Obtaining…”, and “Connected to WiMAX" will appear.

Common Operations

Connecting to Network : EAP-TLS

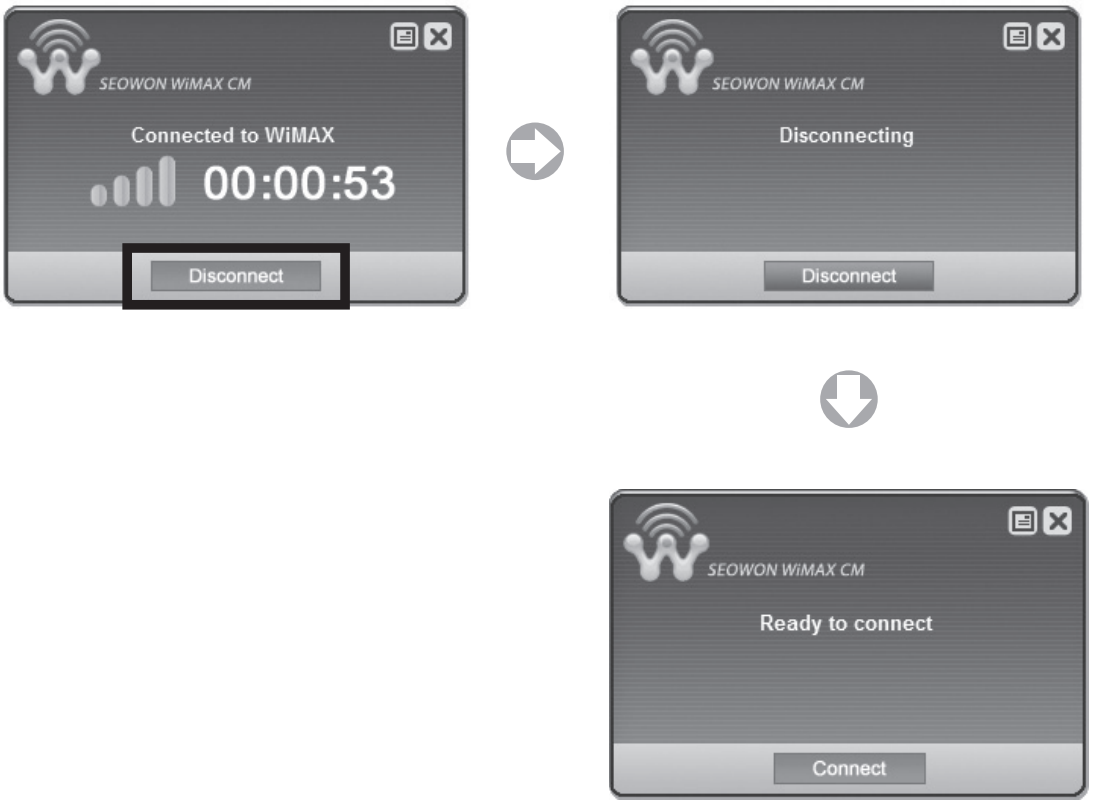
- After the installation is complete, Seowon WiMAX CM will try to connect automatically.

- Then, the messages of “Connecting”, “IP Obtaining…”, and “Connected to WiMAX” will appear.

Common Operations

Disconnecting from Network

▶ If you want to end your current connection, simply click the "Disconnect" button.



Common Operations

Minimizing Compact View window

- You can minimize the application by clicking on ‘x’ icon in Compact View window. It will then appear in the Windows task bar.

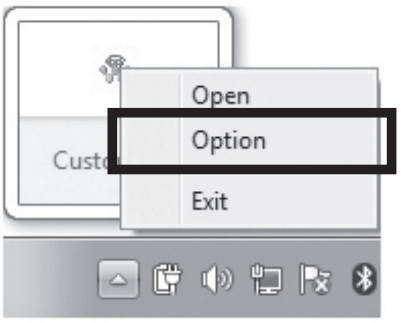
- To restore Compact View window, click the Right mouse button on Seowon WiMAX tray icon, and select [Open].

Common Operations

Extending Compact View window

- Click on ‘ ’, at the upper right side of Compact View window. Or select [Option] on Seowon tray icon. Then, Extended View window will appear.

- The Extended View window includes three pages: Network, Information, and Setting.



Common Operations

Preferences in Extended View window

▶ Network page

Displays information of Maximum / Current connection speed as well as that of Received / Send.

The strength of Signal (CINR/RSSI), IP-address, MAC address and BSID are also shown in Network page.

▶ Click on “Info.” icon in pink to move on to Information Page.

Common Operations

Preferences in Extended View window

▶ Information page

Displays information concerning Seowon WiMAX CM version, Driver version, Device S/W and Device name.

▶ If you want to visit the homepage of Seowon, click the underlined URL when you are connected.

Common Operations

Preferences in Extended View window

Settings Page

Allows you to set the below functions.

- **Auto Launch**
  Seowon WiMAX CM launches automatically when Windows starts.
- **Auto Connect**
  Seowon WiMAX CM connects to the Internet automatically when it launches.
- **Autohiding**
  Seowon WiMAX CM hides automatically when it is connected to the Internet.
- **Select Language**
  You can select languages that you prefer.

Common Operations

Upgrading the USB Modem

▶ Update for Seowon WiMAX CM

- In case “Notify update a new S/W” is checked in the setting page (see page15), it will automatically tell you whether updates are available when you are connected.
  the Internet.

- If update available, click the “Update” button to upgrade Seowon WiMAX CM.

Common Operations

Upgrading the USB Modem

▶ Update for Seowon WiMAX CM cont.

If “Notify update” is unchecked (see page15), go to the Information page. Click the “Check for Update” button as below.

If update detected, click the “Update” button to upgrade Seowon WiMAX CM.

Common Operations

Upgrading the USB Modem

▶ Firmware Update

- When you for the first time installed Seowon WiMAX CM or when update is completed, Seowon's software automatically checks if there is updatable Firmware available.

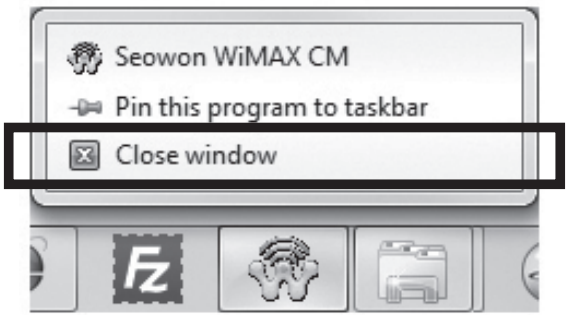
- Click the "Update" button to upgrade the firmware if available.

Warning Do not remove USB modem or turn off PC during Firmware Update.

Common Operations

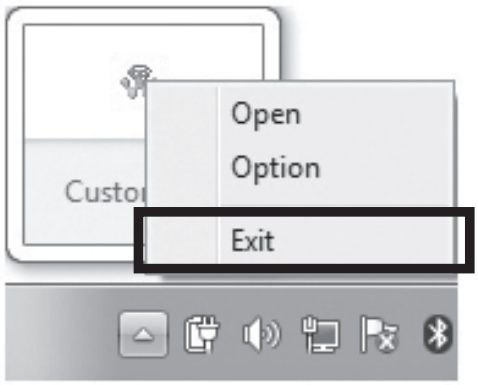
Exiting Connection Manager

- Click the Right mouse button on Seowon WiMAX tray icon, and select [Close].



Click [Close]

- Click the right mouse button on Seowon WiMAX tray icon. When the Pop-up menu appears, select [Exit].



Click [Exit]

System Requirements (MAC OS X)

CPU & memory	Intel Core 2 Duo or faster, DDR2 or more
Interface	USB 2.0
Supported OS	Mac OS X version 10.5.3 or more

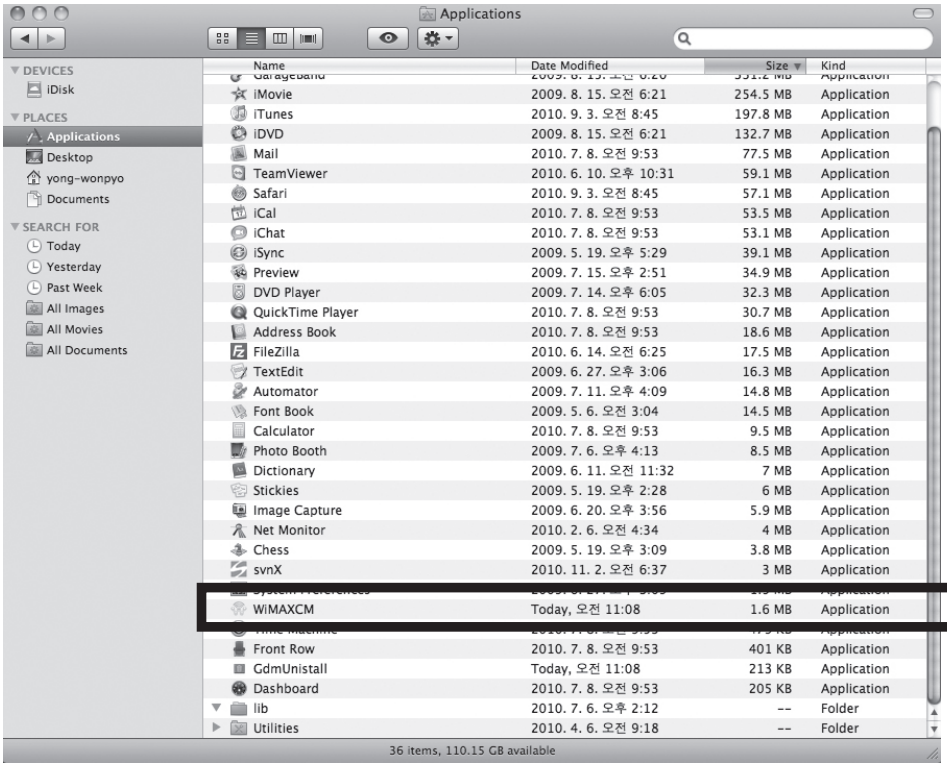
Installing Seowon WiMAX CM (MAC OS X)

- Turn on your computer. Close all other applications.
- Insert a USB modem into your USB port.
- Your computer will recognize the modem.
- Please click on the CD-shaped icon and the installation.

Installing Seowon WiMAX CM (MAC OS X)

Getting Started and Uninstall

▶ To start WiMAX CM,
Double click on the Seowon WiMAX CM icon on your Applications.



Click [WiMAX CM]

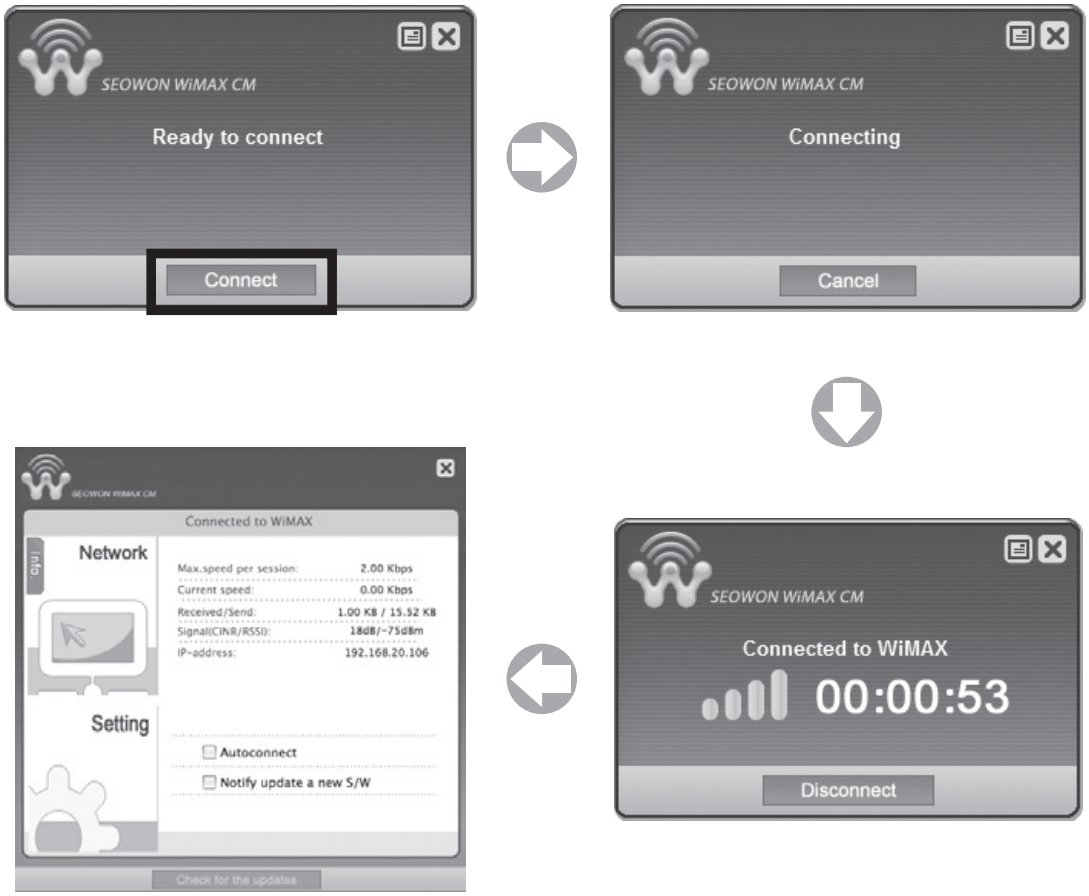
Click [GdmUninstall]

Common Operations (MAC OS X)

Connecting to Network

- After the installation is complete, Seowon WiMAX CM will try to connect automatically.

- Then, the messages of “Connecting”, “IP Obtaining…”, and “Connected to WiMAX” will appear.



Product Specification

Item	Specification
Standards	IEEE 802.16e
Model	SWU-3400AN
Frequency Band	Wide Band (2.496~2.690GHz)
Channel Bandwidth	5 and 10MHz
Size	32mm x 67mm x 8.8mm
Weight	16g
Output Power	200mW (23dBm)
Operating Temperature	- 10degree ~ + 50degree
Relative Humidity	0% ~ 85%

Care and Maintenance

Read following instructions carefully.
It will help you protect your warranty coverage.

- Use the device in clean and dry areas. The device is not water-resistant. Dusty environments could affect electronic components.
- Do not disassemble the device. In need of help or repair, contact an authorized service center.
- Do not drop/bend the device. Keep it from colliding with other objects in the event of operation, storage, and transportation.
- Do not attempt to make any changes on the design, parts, and performance of the device unless authorized.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modification could damage the device or cause legal problems.

Safety Information

Caution

- Do not use the device in any potentially explosive/inflammable area. Abide by all instructions and signs.
- Do not use the device where using wireless devices is prohibited or may cause interference or danger, such as in hospitals and airplanes.
- Do not store the device near electronic appliances that generate strong magnetic or electric fields.
- Keep the device and its accessories out of the reach of children. Children could damage the device or may mistakenly swallow the components of the device and its accessories.

Legal Information

FCC ID : V7MSWU-3400AN

FCC Part 15.19

This device complies with part 15 of the FCC Rules. Operation is subject to The following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15.21

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

RF Exposure Statement (2.1091)

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Part 15.105 (B)

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications, However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is 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 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/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user’s authority to operated the equipment under FCC rules.

Warranty Information

Quality Warranty

This product is the result of high-class craftsmanship based on strict quality control procedures.

- In case of Product failure or malfunction during normal usage, your product will be repaired free of charge within the Limited Warranty period.
- The Consumer shall bear any labor or parts charges not covered by this Limited Warranty.
- At the request for repair, you must provide the proof of purchase and the warranty.
- Keep the warranty in a safe location because it is not reissued.
- This USB modem is for use only with compatible UL Listed Product that have limited power source of the USB output connector.

Purchase date		
Quality warranty period	1(one) year	
Seller		
Telephone number		
Consumer	Name	
	Address	
	Telephone number	
	E-mail	

The Consumers shall have no coverage or benefits under this Limited Warranty if the Product has been:

- Subjected to inappropriate use, improper storage, unauthorized repair, unauthorized modifications, neglect abuse, inadequate installation, misuse, damage caused by shipping, etc.
- Damaged from fire, flooding, windstorm, lighting, earthquake, theft, blown fuse, internet viruses, worms, Trojan Horses, etc.
- Treated with its Product Serial # removed or defaced.

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