
LTE Connection Manager User's Guide

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MINIMUM REQUIREMENT 오류! 책갈피가 정의되어 있지 않습니다.

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Minimum Requirement

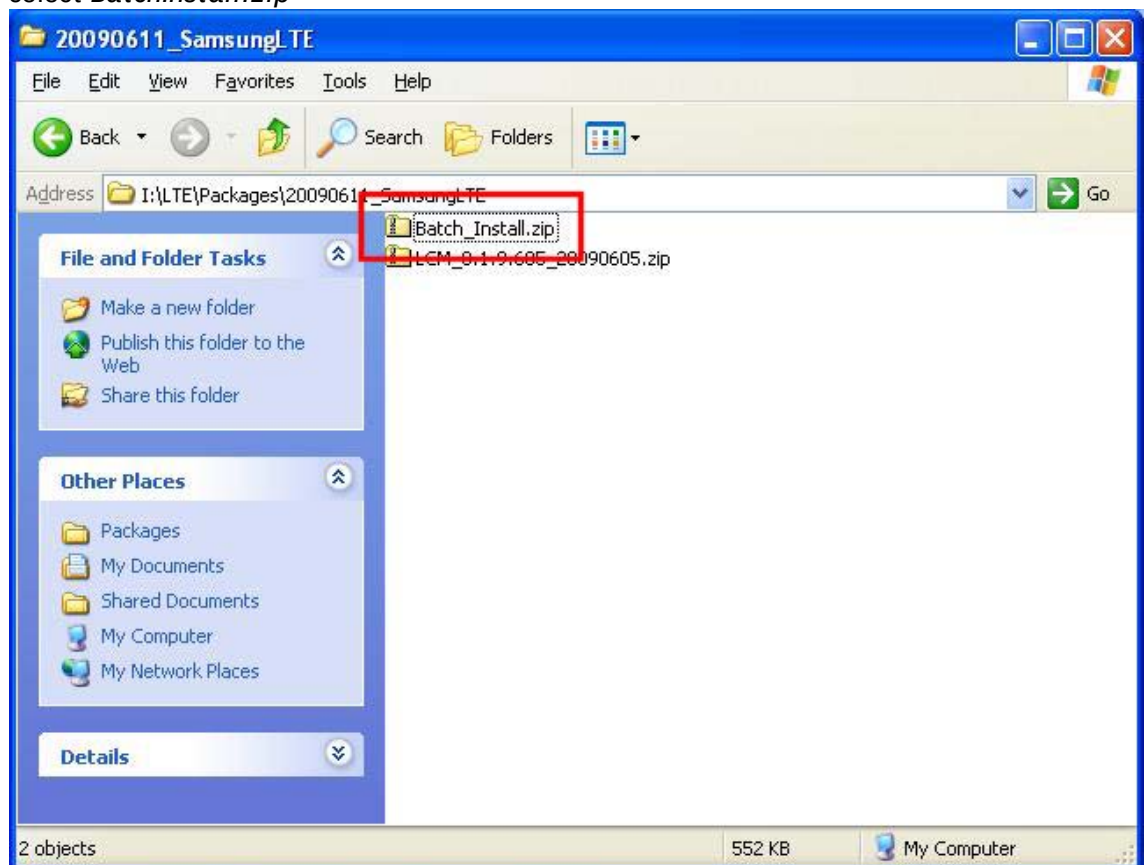
	PC
OS	Microsoft Windows XP
CPU	Over Intel Pentium 1.7 GHz
Memory	Over 512MB

1. Install/Uninstall LTE Connection Program

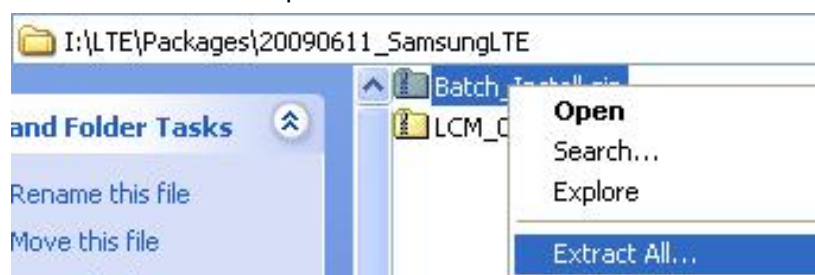
1.1. LTE Device Driver

1.1.1. Install

- Select *BatchInstall.zip*



- Extract driver files from the compressed file.

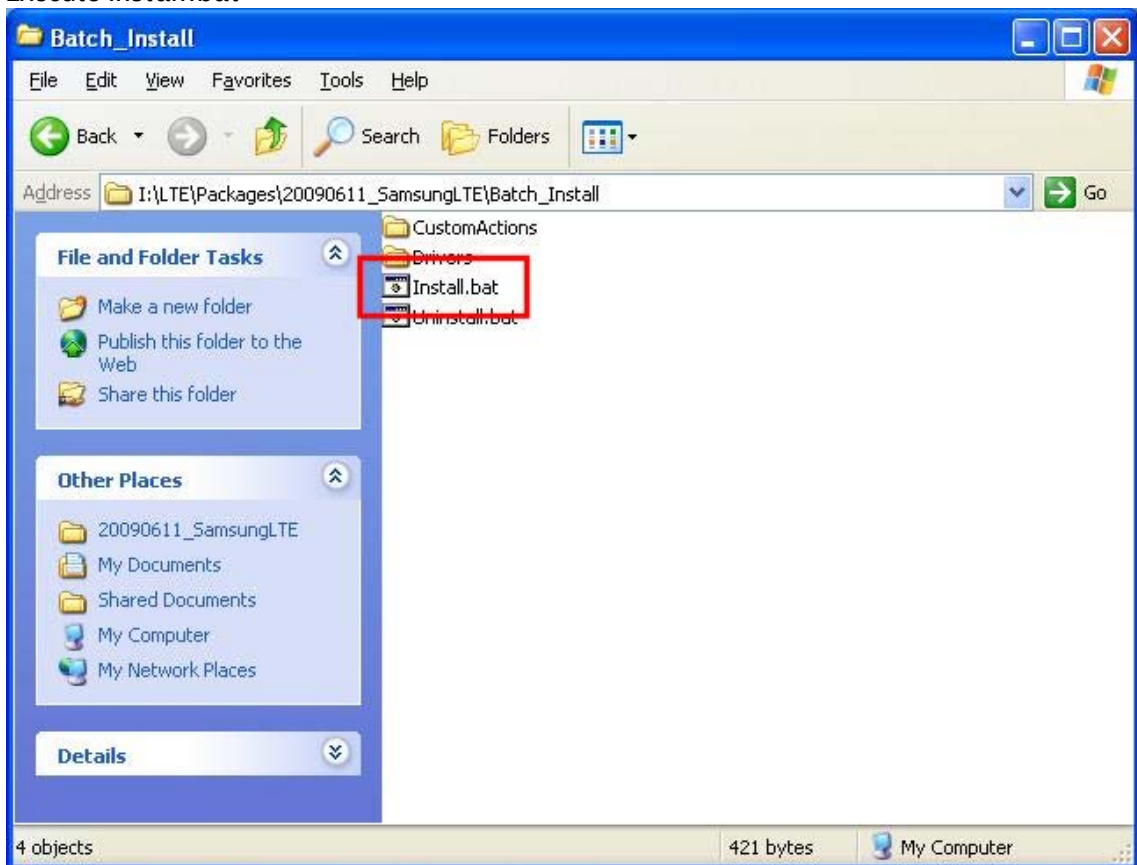


- Before installing LTE Device Driver, insert LTE data card into USB slot on the laptop. After USB card is inserted, hardware wizard window is appeared as a following picture.



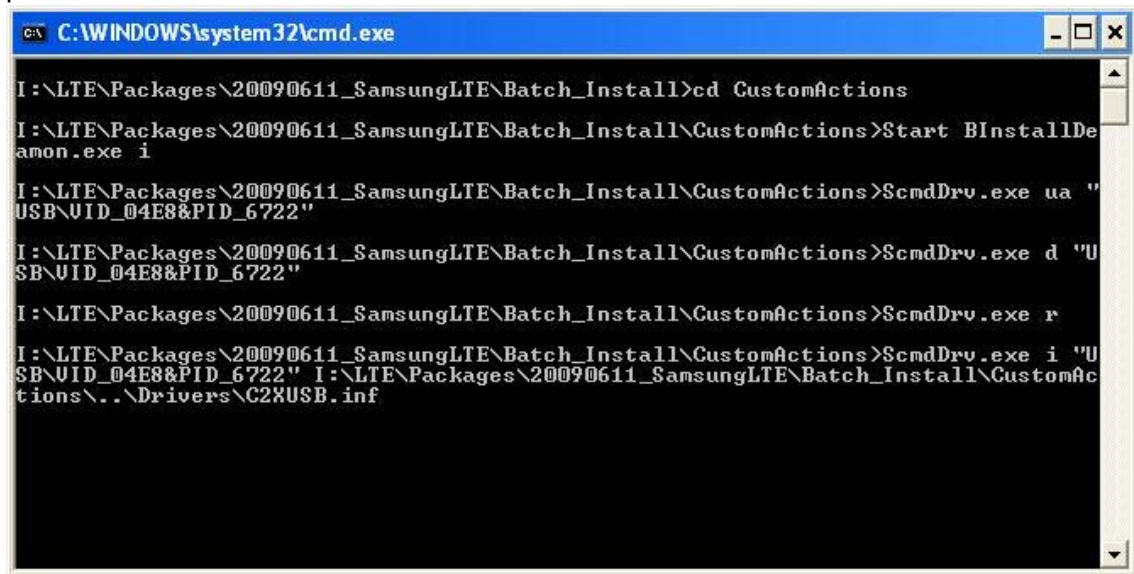
- Close this window to click 'Cancel'

- Execute *Install.bat*



- When executing *Install.bat*, Windows command window is appeared as a following

picture.

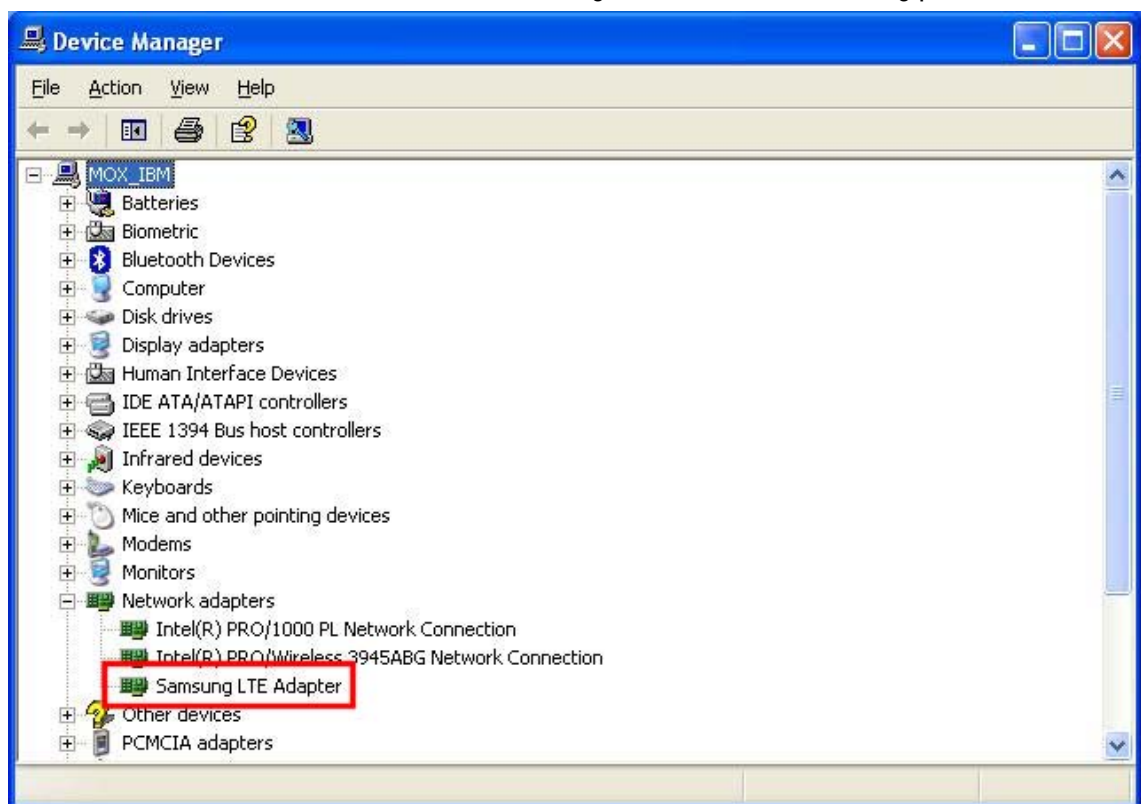


```

C:\WINDOWS\system32\cmd.exe

I:\LTE\Packages\20090611_SamsungLTE\Batch_Install>cd CustomActions
I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomActions>Start BInstallDe
amon.exe i
I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomActions>ScmdDrv.exe ua "
USB\VID_04E8&PID_6722"
I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomActions>ScmdDrv.exe d "U
SB\VID_04E8&PID_6722"
I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomActions>ScmdDrv.exe r
I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomActions>ScmdDrv.exe i "U
SB\VID_04E8&PID_6722" I:\LTE\Packages\20090611_SamsungLTE\Batch_Install\CustomAc
tions\..\Drivers\C2XUSB.inf
  
```

- After installation is complete, the command window will be closed by itself.
- Check LTE device driver is in the Network adapters after the installation is complete.
Select [Start] - [Settings] - [Control Panel] - [System] - [Hardware] - [Device Manager].
When LTE device driver is installed, Device Manager is shown as a following picture.



- It is also possible to use command 'ipconfig' on Windows command window to check if the installation is properly complete as a following picture.

```

C:\Documents and Settings\Administrator>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : mox_ibm
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No

Ethernet adapter Wireless Network Connection:

    Media State . . . . . : Media disconnected
    Description . . . . . : Intel(R) PRO/Wireless 3945ABG Network
    Connection
    Physical Address. . . . . : 00-19-D2-75-EF-61

Ethernet adapter Local Area Connection:

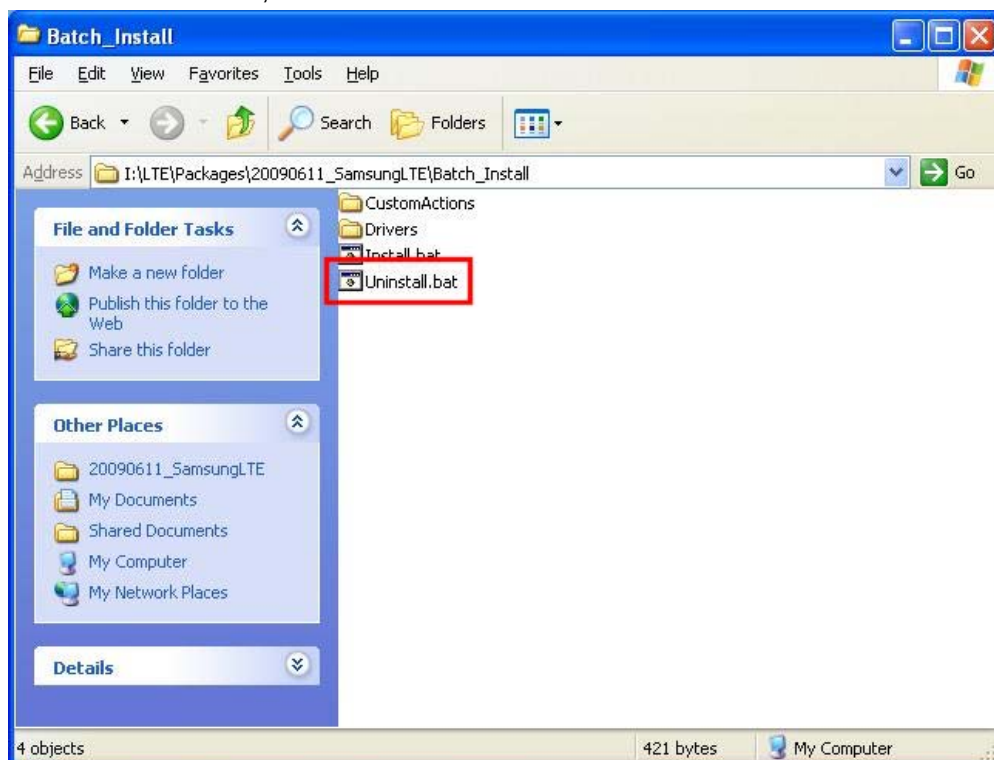
    Media State . . . . . : Media disconnected
    Description . . . . . : Intel(R) PRO/1000 PL Network Connect
    ion
    Physical Address. . . . . : 00-16-D3-3A-41-79

Ethernet adapter Local Area Connection 150:
    Media State . . . . . : Media disconnected
    Description . . . . . : Samsung LTE Adapter
    Physical Address. . . . . : 06-01-02-03-04-05

C:\Documents and Settings\Administrator>
  
```

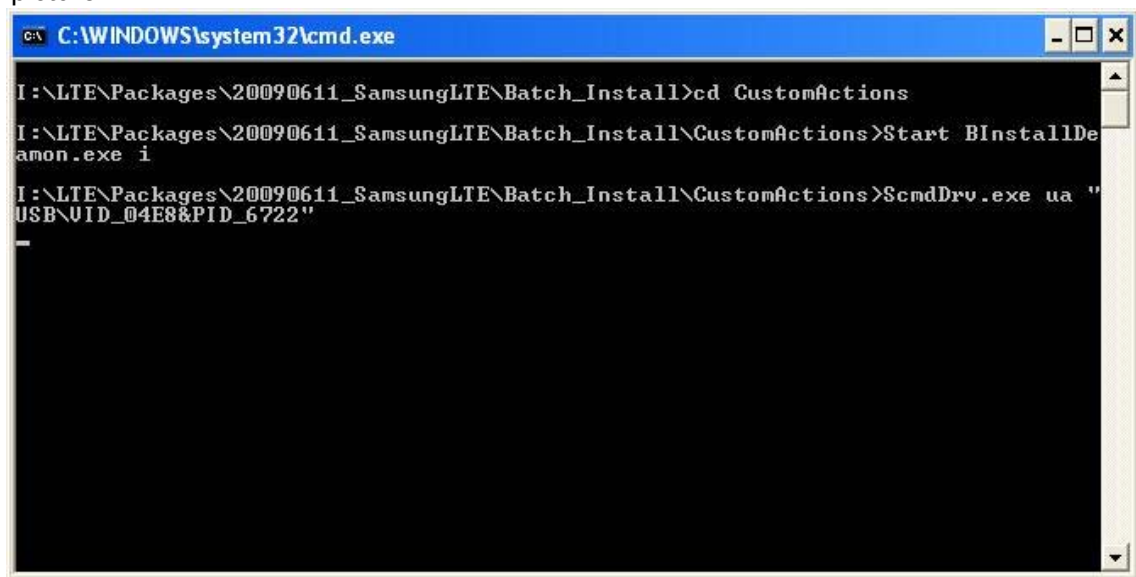
1.1.2. Uninstall

- To uninstall LTE driver, Execute *Uninstall.bat*

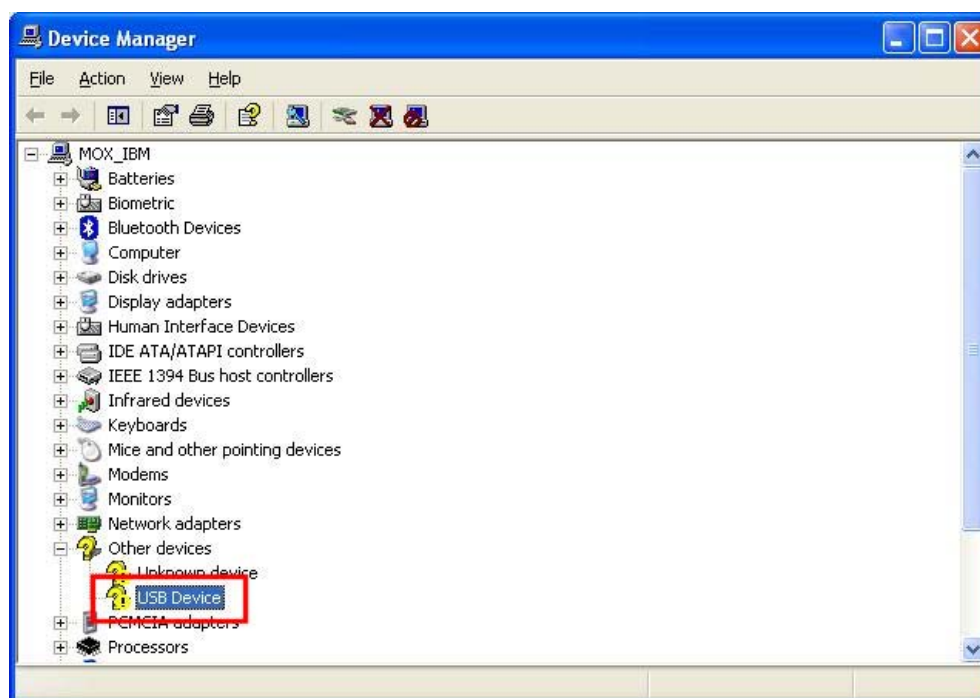


- When *uninstall.bat* is executed, Windows command window appears as a following

picture.



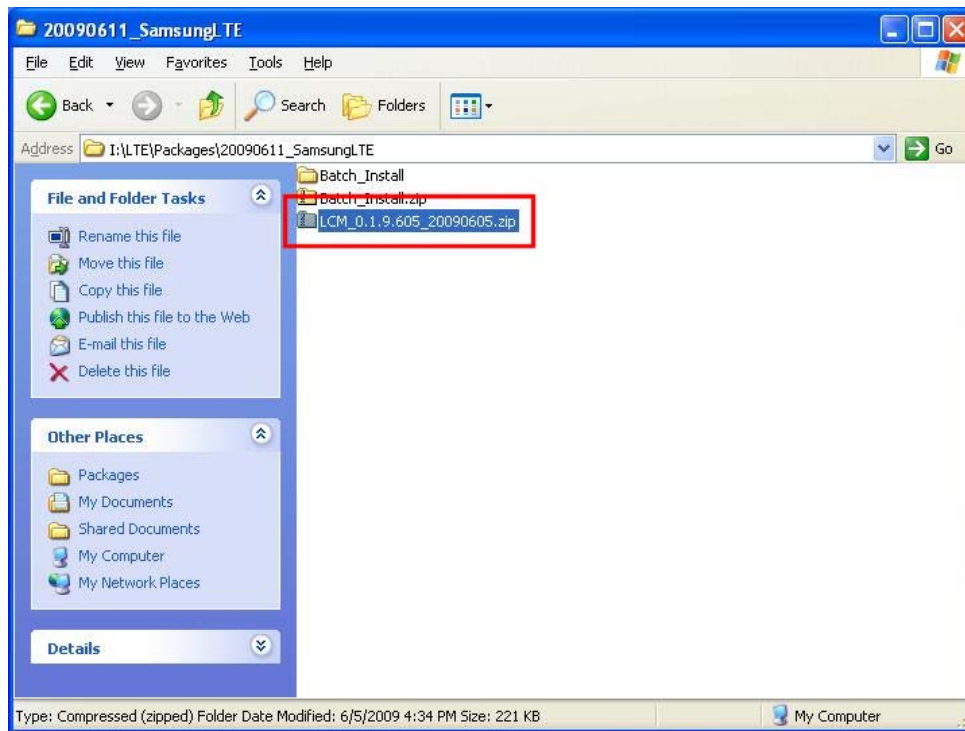
- If uninstallation is complete, Windows command window is closed by itself.
 - Check if LTE device driver is deleted after the uninstallation is complete.
- Select [Start] - [Settings] - [Control Panel] - [System] - [Hardware] - [Device Manager].
When LTE device driver is uninstalled, Device Manager is shown as a following picture.



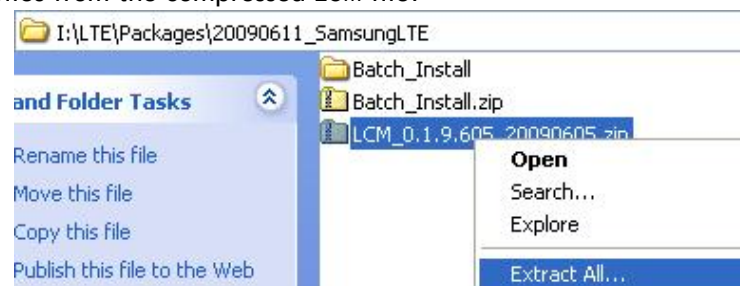
1.2. LTE Connection Program

1.2.1. Install

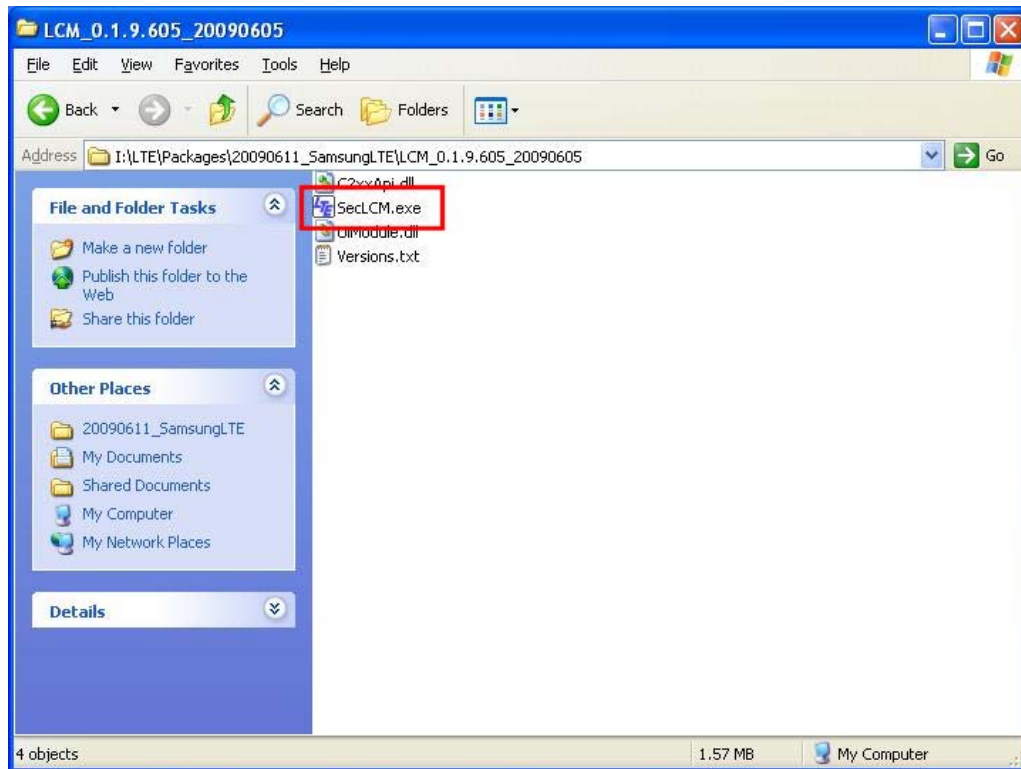
- Select *LCM*



- Extract LCM files from the compressed LCM file.



- *SecLCM.exe* is an executable file for LCM.



- If SecLCM.exe is executed, LCM is shown as a following picture.



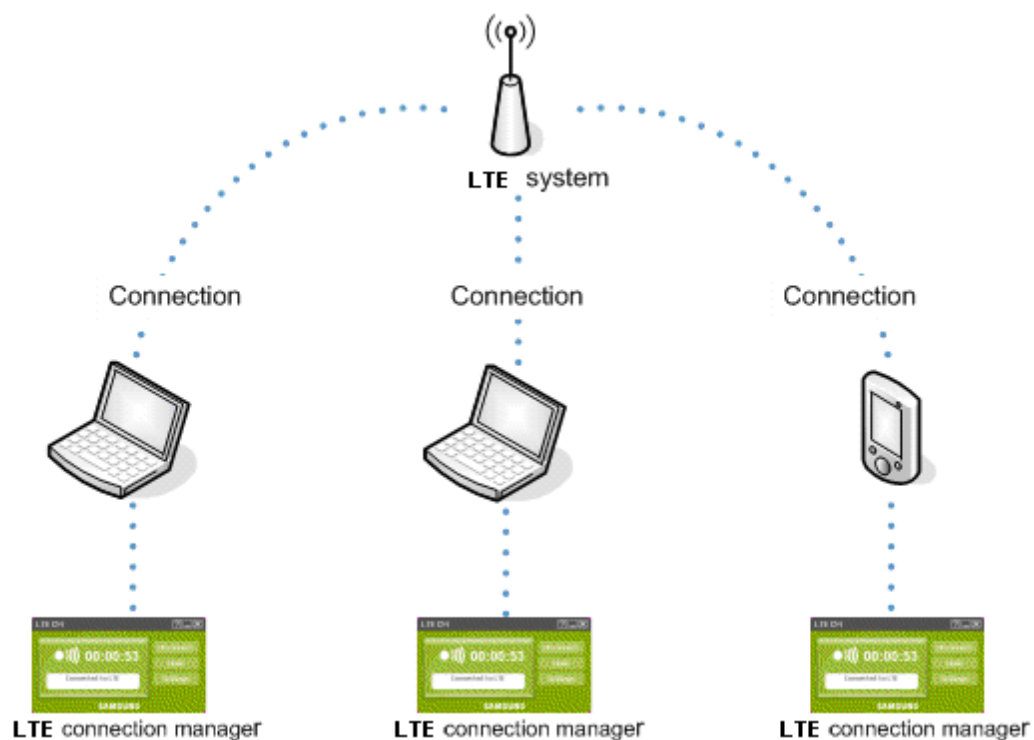
1.2.2. Uninstall

To uninstall LCM, simply remove the directory where LCM related files exist.

2. LTE Connection Manager

2.1. LTE Connection Manager Overview

LTE Connection Manager is a Windows OS-based application supporting LTE network connection and it performs LTE network attachment/detachment and other LTE-related functions.



2.2. LTE Connection Manager

2.2.1. Running LTE Connection Manager

2.2.1.1. Running on Desktop

Execute [Samsung LTE CM] icon on Desktop.



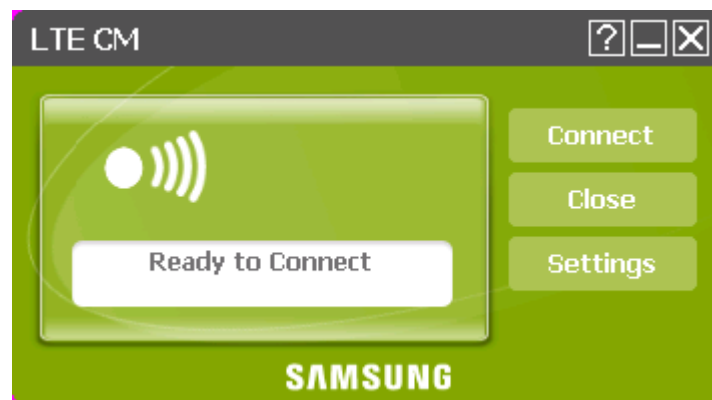
2.2.2. Screen Configuration

2.2.2.1. Main Screen

CM main screen appears when LTE Connection Manager is executed.

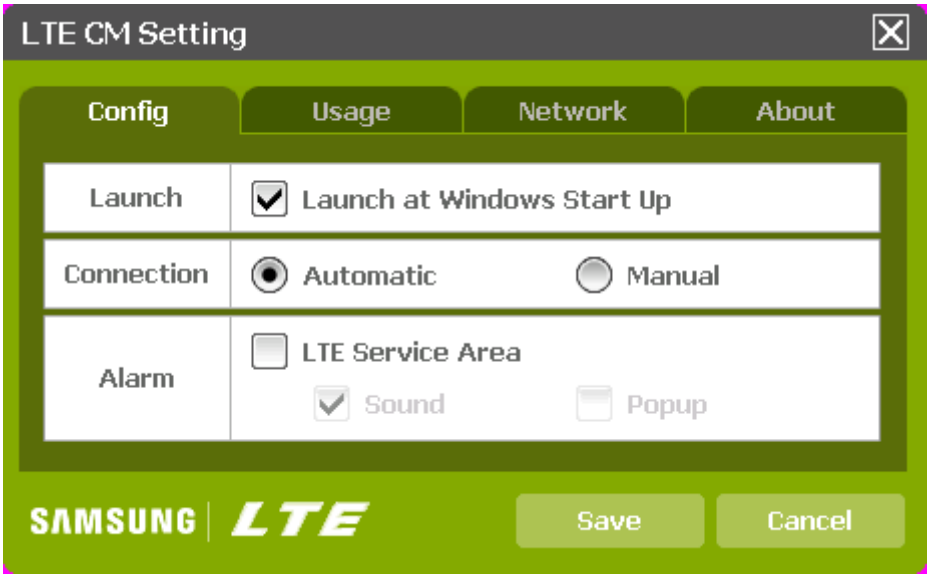
On the left side of the screen, reception signal strength and a message box informing connection status are shown.

At the right side of the screen there are [Connect], [Close] and [Settings] buttons.

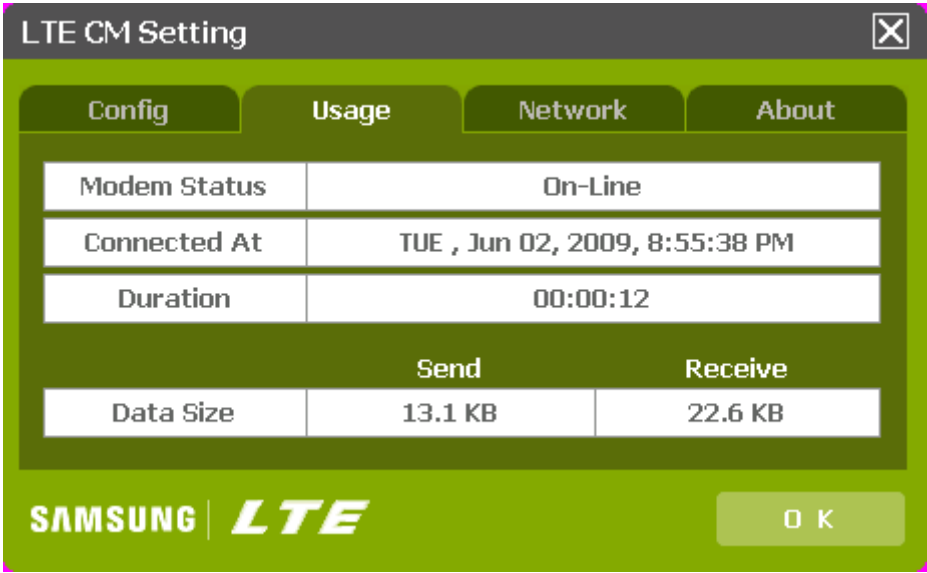


2.2.2.2. Setting Screen

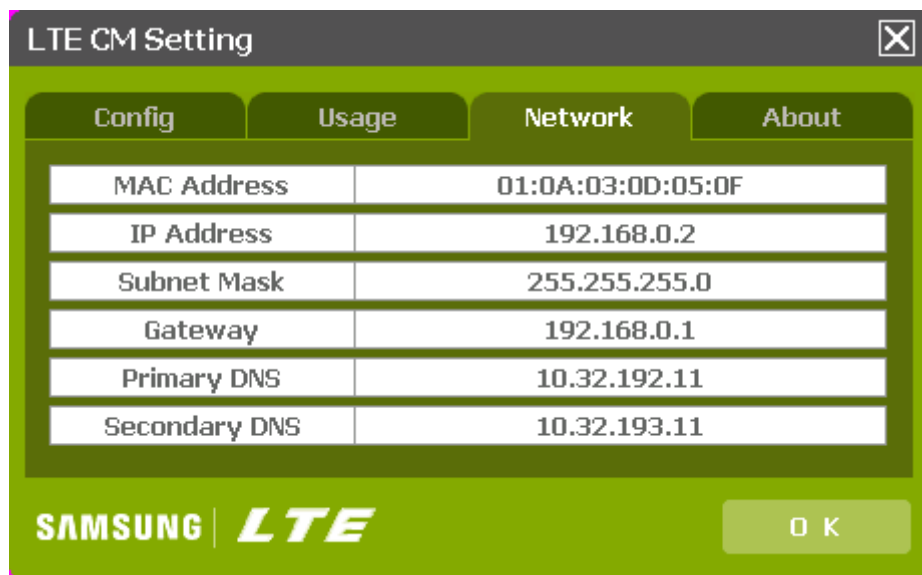
The following screen is displayed when [Settings] button is clicked and it shows [Configuration].



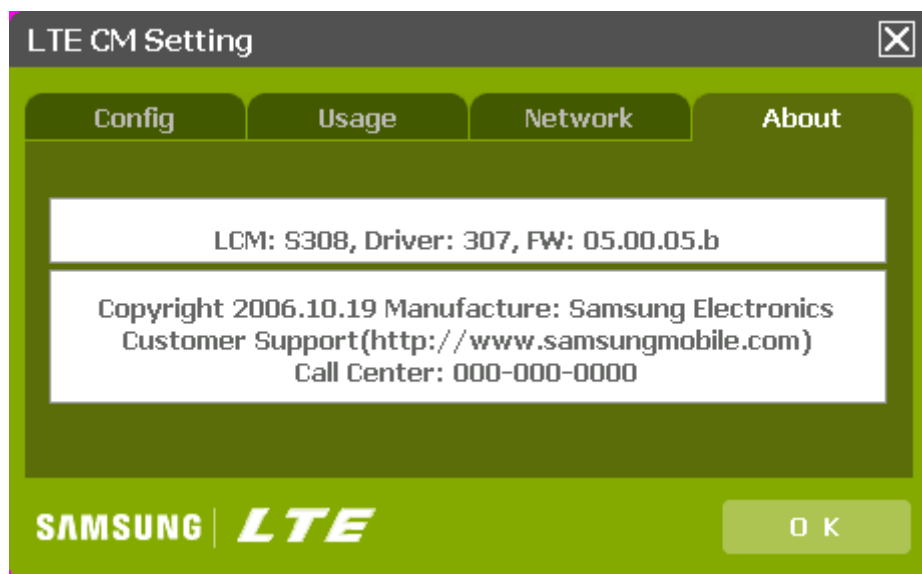
- [Connection Info]



- [Network Info]



- [About LTE CM].



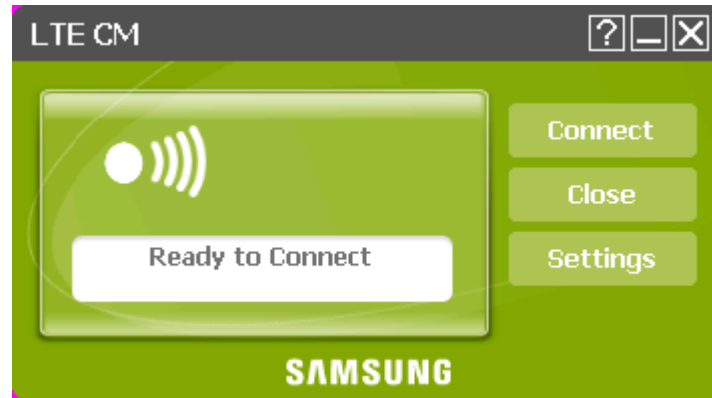
2.2.2.3. Tray Screen

When [Close] or [Minimize] button is clicked on the main screen, main screen disappears and the program runs as a tray icon.

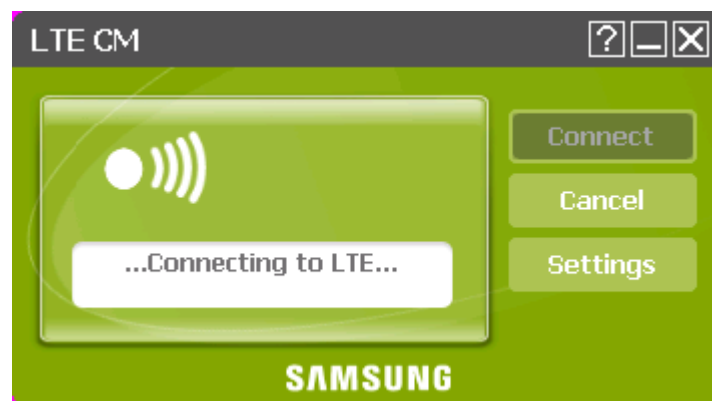


2.2.3. Connecting to LTE Network

On the main screen, press [Connect] button.

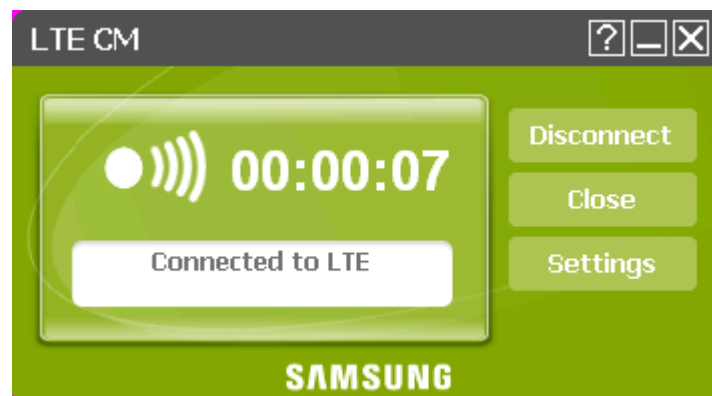


"Connecting to LTE" message is displayed as a following picture.



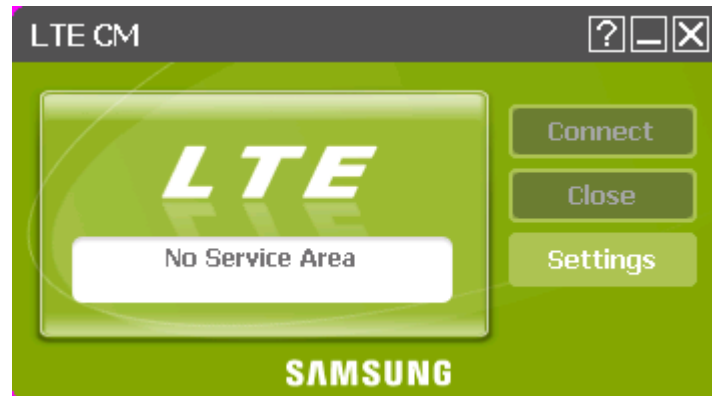
- Connection Success

If the LTE Network connection succeeds, the following screen is displayed.



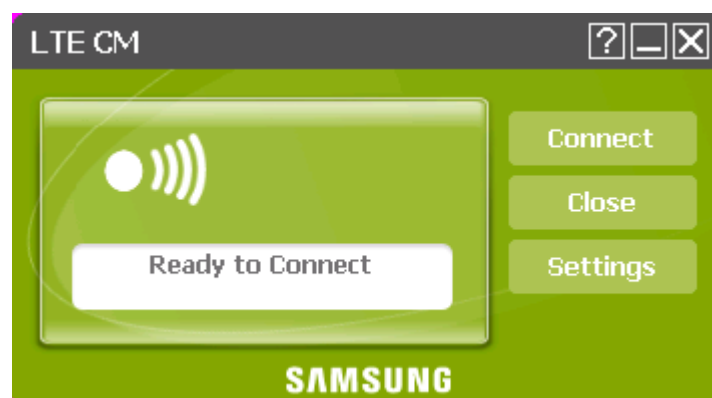
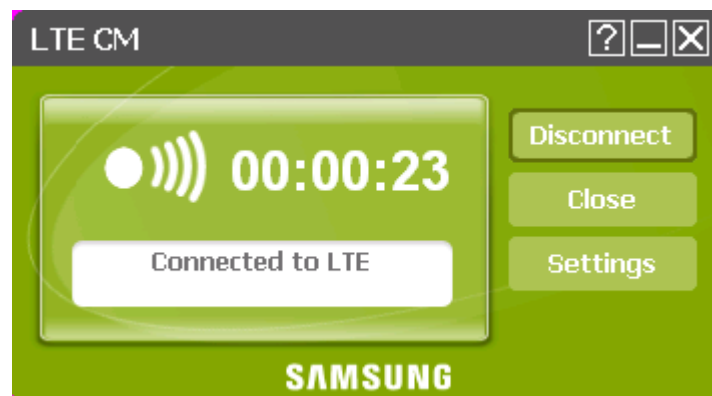
- Connection Failure

If the LTE connection fails, the following screen is displayed.



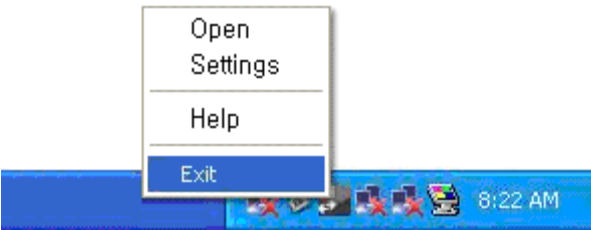
2.2.4. Disconnecting LTE Network

When [Disconnect] button is clicked on the main screen, LTE connection is cut off and the status changes to "Ready to Connect".



2.2.5.Exit

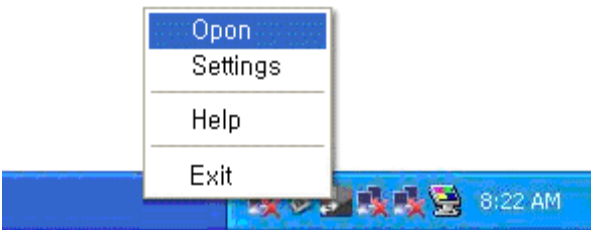
Click the right button of the mouse with the mouse point on tray screen to see a pop-up menu. And click [Exit] to finish the program.



2.2.6. Using Tray

- Switching tray screen to main screen

Click the right button of the mouse with the mouse point on tray screen to see a pop-up menu. And click [Open] to run it on the main screen.



2.2.7. Tray Icon Description

	Signal strength is low	Standby
	Signal strength is weak	
	Signal strength is good	
	Signal strength is very good	
	Signal strength is best	

	Signal strength is low	Online
	Signal strength is weak	
	Signal strength is good	
	Signal strength is very good	
	Signal strength is best	
	No service area	

3. Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your SLC-U100 dongle is a radio transmitter and a 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 FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by the experts in science and engineering drawn from diverse fields such as industry, government, and academia after extensive reviews on scientific literatures pertaining to the biological effects of RF energy on human body. The exposure limit set by the FCC for wireless USB dongles employs a unit of measurement known as the Specific Absorption Rate (SAR).

The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/ kg). The FCC requires wireless USB dongles to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the wireless USB dongle transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the wireless USB dongle while operating can be well below the maximum value. This is because the wireless USB dongle is designed to operate at multiple power levels so as to use only the required power level to reach the network to save power consumption. In general, the closer you are to a wireless base station antenna, the lower the power output.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines. SAR information on this and other wireless USB dongles model can be viewed on-line at <http://www.fcc.gov/oet/fccid>. [This site uses the wireless USB dongle FCC ID number, A3LSLCU100](#). Once you have the FCC ID number for a particular wireless USB

dongle, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular wireless USB dongle. Additional product specific SAR information can also be obtained at <http://www.fcc.gov/cgb/sar>.

This Mobile Broadband USB dongle, model SLC-U100, is approved for use in normal size laptop computers only (typically with 12" or larger display screens). To comply with FCC RF exposure requirements, this modem should not be used in configurations that cannot maintain at least 5mm (approximately 0.2 inch) distance from users and bystanders. The SLC-U100 USB dongle can be used in laptop computers with substantially similar physical dimensions, construction, and electrical and characteristics. This USB dongle must not be used with any other antenna or transmitter that has not been approved to operate in conjunction with this dongle. For details contact <http://www.fcc.gov/cgb/>

Restricting Children's access to your Wireless USB dongle

Your wireless USB dongle is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the wireless USB dongle or make calls that increase your wireless USB dongle bill.

Cautions

Changes or modifications made in the radio USB dongle, not expressly approved by Samsung, will void the user's authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the wireless USB dongle warranty if said accessories cause damage or a defect to the wireless USB dongle.

Although your wireless USB dongle is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

Only qualified personnel should service the wireless USB dongle or install the wireless USB dongle in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

Check regularly that all wireless USB dongle equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the wireless USB dongle, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force.

Do not place objects, including both installed and portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

The use of wireless USB dongle in aircraft is illegal and may be dangerous to the aircraft's operation.

Failure to observe these instructions may lead to the suspension or denial of USB dongle services to the offender, or legal action, or both.

Acknowledging Special Precautions and the FCC Notice and Caution

► **All other devices shall bear the following statement in a conspicuous location on the device:**

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

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.