1. Package Content

- GL2454MU-0I USB Wireless Adapter
- CD-ROM
- Mini USB Cable

If any of the above items is missing, please immediately contact your dealer.

2. System Requirements

- A PC system (desktop or laptop) with an available USB port
- At least 32MB memory and a 300 MHz processor
- OS: Windows 98SE; Windows ME; Windows 2000; Windows XP
- A wireless access point (infrastructure mode) or another wireless (Ad-Hoc mode)

3. Installation Quide

1. Turn on your computer and insert the CD in the CD-ROM driver. Follow the instruction shown on the pop-up windows: choose destination location. Select your CD-ROM driver.
2. The pop-up window will show the setup status during the installation.
3. Once it is done, the system will ask if you like to re-start the computer immediately. Please press YES.
4. At the meantime or after the restart, please connect the USB cable A type into the USB port on your PC.
5. Connect the mini USB with the Wireless USB adapter as well.
6. Then, the Windows will install the driver automatically.
7. The utility icon will appear once you have installed the driver. It will be shown in green if the installation is successful.

4. Utility Configuration

4.1 Link Information

Status:
Displays the current connection state of the GL2454MU-0I.
SSID:
The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to default.
Tx Rate:
The default setting is Auto;
Channel:
The default setting is 6.
Link Quality:
Displays the wireless signal strength for the GL2454MU-0I wireless connection to the access point.
Data Rate:
Displays the statistics of the data that is transmitted and received.
A new icon will appear in your Icon tray. Double-click on the icon shown at right.
The screen below will be displayed with the following default settings:

4.2 Configuration

SSID:
The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to default. Make changes here to match the SSID on the existing Wireless Router or Access Point.

Wireless Mode:
Infrastructure is the factory default setting. Ad-Hoc mode is used for peer-to-peer networking. See the *Getting Started* section in this manual for examples of these network types.
Channel:
The default channel setting is channel 6. In Infrastructure mode, the GL2454MU-0I will automatically select the channel to match the channel setting for the selected

Access Point. In Ad Hoc mode, the channel must be manually set to the same channel for each wireless adapter

Tx Rate:

You can adjust the transmission rate to get the best signal possible depending on your usage and your environment. The Tx Rate will be determined automatically by signal strength. Default is set to Auto.

Preamble:

Select Long or Short Preamble. The Preamble defines the length of the CRC block (Cyclic Redundancy Check is a common technique for detecting data transmission errors) for communication between the Access Point and the roaming wireless Network adapters

Power Mode: Select from three modes:
Continuous Access Mode - this default setting consumes the most power
Maximum Power Save - this setting consumes the least power
Power Save - this setting consumes a moderate amount of power

4.3 Encryption

Data Encryption:

Enable encryption by clicking in the box. Data encryption is de-selected as the default setting.

Default Key:

Enter a key in either ASCII (e.g., a word) or hexadecimal format. Select one of the 4 keys that you have created to be the default key.

Authorization Mode:

Click Apply if you have made any changes
Open Authentication - communicates the key across the network
Shared Authentication - allows communication only with other devices with identical WEP settings
Auto - will automatically adjust to the Authentication mode of the wireless Access Point or Router

4.4 Site Survey

Available Networks:

The top section of the window displays the Available Networks. Scroll up and down the list and highlight the network to which you wish to connect. Click on the Connect button.

Profiles:

In the lower half of the screen, you can manage the profiles that you have created for the wireless network at home, at the office and in public places. Scroll up and down and highlight the profile that you wish to configure. You can ADD or REMOVE a profile, or configure the Properties of the profile in order to connect with an available network.

4.5 About

The About tab displays the utility and the firmware versions.

Federal Communication Commission Interference Statement

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 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.

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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.