

## Applications and Gaming > QoS

Quality of Service (QoS) ensures better service to high-priority types of network traffic, which may involve demanding, real-time applications, such as videoconferencing.



Applications and Gaming > QoS

## QoS (Quality of Service)

### Wireless

**WMM Support** Wi-Fi Multimedia (WMM) is a wireless Quality of Service feature that improves quality for audio, video, and voice applications by prioritizing wireless traffic. To use this feature, the wireless client devices in your network must support Wireless WMM. If you would like to disable this feature, select **Disabled**. Otherwise, keep the default, **Enabled**.

**No Acknowledgement** If you want to disable the Router's Acknowledgement feature, so the Router will not re-send data if an error occurs, select **Enabled**. Otherwise, keep the default, **Disabled**.

### Internet Access Priority

In this section, you can set the bandwidth priority for a variety of applications and devices. There are four levels of priority; High, Medium, Normal, or Low. When you set priority, do not set all applications to High, because this will defeat the purpose of allocating the available bandwidth. If you want to select below normal bandwidth, select Low. Depending on the application, a few attempts may be needed to set the appropriate bandwidth priority.

**Enabled/Disabled** To use the QoS policies you set, select **Enabled**. Otherwise, select **Disabled**.

### Category

Select one of the following categories: **Applications**, **Online Games**, **MAC Address**, **Ethernet Port**, or **Voice Device**. Proceed to the instructions for your selection.

### Summary

This lists the QoS entries you have created for your applications and devices. Refer to **Summary, page 30** for more information.

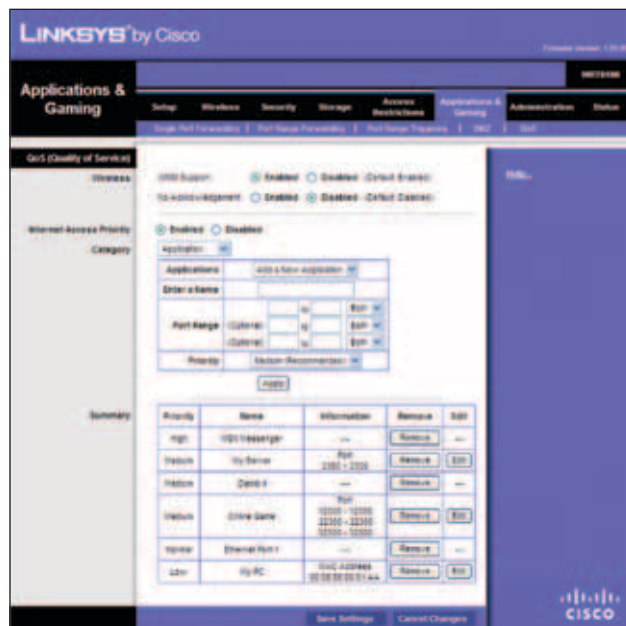
### Applications

**Applications** Select the appropriate application. If you select **Add a New Application**, follow the instructions in the **Add a New Application** section.

**Priority** Select the appropriate priority: **High**, **Medium (Recommended)**, **Normal**, or **Low**.

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### Add a New Application



Add a New Application

**Enter a Name** Enter a name for this application.

**Port Range** Enter the port range that the application will be using. For example, if you want to allocate bandwidth for FTP, you can enter 21-21. If you need services for an application that uses from 1000 to 1250, you enter 1000-1250 as your settings. You can have up to three ranges to define for this bandwidth allocation. Port numbers can range from 1 to 65535. Check your application's documentation for details on the service ports used.

Select the protocol **TCP** or **UDP**, or select **Both**.

**Priority** Select the appropriate priority: **High**, **Medium (Recommended)**, **Normal**, or **Low**.

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### Online Games



Online Games

### Online Games

**Games** Select the appropriate game. If you select Add a New Game, follow the instructions in the *Add a New Game* section.

**Priority** Select the appropriate priority: **High**, **Medium (Recommended)**, **Normal**, or **Low**.

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### Add a New Game

**Enter a Name** Enter any name to indicate the name of the entry.

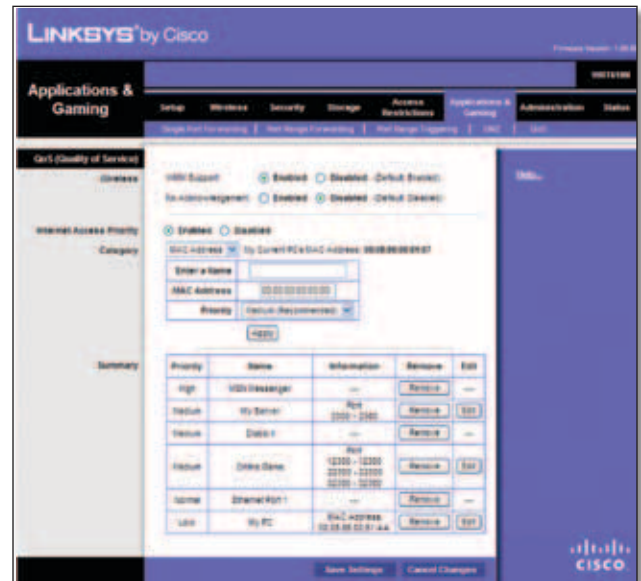
**Port Range** Enter the port range that the game will be using. You can have up to three ranges to define for this bandwidth allocation. Port numbers can range from 1 to 65535. Check your application's documentation for details on the service ports used.

Select the protocol **TCP** or **UDP**, or select **Both**.

**Priority** Select the appropriate priority: **High**, **Medium (Recommended)**, **Normal**, or **Low**.

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### MAC Address



MAC Address

The MAC address of the computer you are using is displayed.

**Enter a Name** Enter a name for your device.

**MAC Address** Enter the MAC address of your device.

**Priority** Select the appropriate priority: **High**, **Medium (Recommended)**, **Normal**, or **Low**.

Click **Apply** to save your changes. Your new entry will appear in the *Summary* list.

### Ethernet Port



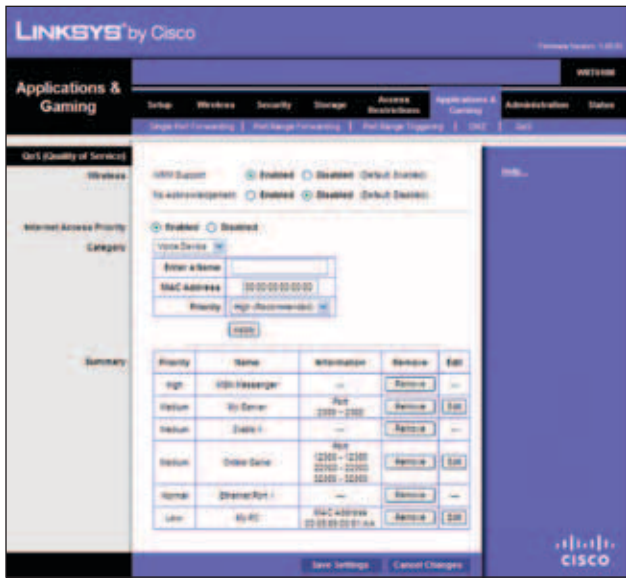
Ethernet Port

**Ethernet** Select the Ethernet port that you want to use.

**Priority** Select the appropriate priority: **High, Medium (Recommended), Normal, or Low.**

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### Voice Device



Voice Device

**Enter a Name** Enter a name for your voice device.

**MAC Address** Enter the MAC address of your voice device.

**Priority** Select the appropriate priority: **High (Recommended), Medium, Normal, or Low.**

Click **Apply** to save your changes. Your new entry will appear in the Summary list.

### Summary

This lists the QoS entries you have created for your applications and devices.

**Priority** This column displays the bandwidth priority of High, Medium, Normal, or Low.

**Name** This column displays the application, device, or port name.

**Information** This column displays the port range or MAC address entered for your entry. If a pre-configured application or game was selected, there will be no valid entry shown in this section.

**Remove** Click this button to remove an entry.

**Edit** Click this button to make changes.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Administration > Management

The *Management* screen allows the network's administrator to manage specific Router functions for access and security.



Administration > Management

### Router Password

#### Router Access

To ensure the Router's security, you will be asked for your password when you access the Router's browser-based utility. The default is **admin**.

**Router Password** Enter a new password for the Router.

**Re-enter to confirm** Enter the password again to confirm.

#### Local Management Access

**Access via** HTTP (HyperText Transport Protocol) is the communications protocol used to connect to servers on the World Wide Web. HTTPS uses SSL (Secure Socket Layer) to encrypt data transmitted for higher security. Select the **HTTP** or **HTTPS**. The default is **HTTP**.

**Access via Wireless** If you are using the Router in a public domain where you are giving wireless access to your guests, you can disable wireless access to the Router's web-based utility. You will only be able to access the utility via a wired connection if you disable the setting. Keep the default, **Enabled**, to allow wireless access to the utility, or select **Disabled** to block wireless access to the utility.

#### Remote Management Access

**Remote Management** To permit remote access of the Router from the Internet (outside the local network), select **Enabled**. Otherwise, keep the default, **Disabled**.

**Access via** HTTP (HyperText Transport Protocol) is the communications protocol used to connect to servers

on the World Wide Web. HTTPS uses SSL (Secure Socket Layer) to encrypt data transmitted for higher security. Select **HTTP** or **HTTPS**. **HTTP** is the default.

**Remote Upgrade** If you want to be able to upgrade the Router from the Internet (outside the local network), select **Enabled**. (You must have the Remote Management feature enabled as well.) Otherwise, keep the default, **Disabled**.

**Allowed Remote IP Address** If you want to be able to access the Router from any external IP address, select **Any IP Address**. If you want to specify an external IP address or range of IP addresses, then select the second option and complete the fields provided.

**Remote Management Port** Enter the port number that will be open to outside access. You will need to enter the Router's password when accessing the Router this way, as usual.



**NOTE:** When you are in a remote location and wish to manage the Router, enter **http://xxx.xxx.xxx.xxx:yyyy** or **https://xxx.xxx.xxx.xxx:yyyy**, depending on whether you use HTTP or HTTPS. Enter the Router's specific Internet IP address in place of xxx.xxx.xxx.xxx, and enter the Remote Management Port number in place of yyyy.

## UPnP

Universal Plug and Play (UPnP) allows the appropriate Windows operating system to automatically configure the Router for various Internet applications, such as gaming and videoconferencing.

**UPnP** If you want to use UPnP, keep the default, **Enabled**. Otherwise, select **Disabled**.

**Allow Users to Configure** Keep the default, **Enabled**, if you want to be able to make manual changes to the Router while using the UPnP feature. Otherwise, select **Disabled**.

**Allow Users to Disable Internet Access** Select **Enabled**, if you want to be able to prohibit any and all Internet connections. Otherwise, keep the default, **Disabled**.

## Backup and Restore

**Backup Configurations** To back up the Router's configuration settings, click this button and follow the on-screen instructions.

**Restore Configurations** To restore the Router's configuration settings, click this button and follow the on-screen instructions. (You must have previously backed up the Router's configuration settings.)

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Administration > Log

The Router can keep logs of all traffic for your Internet connection.



Administration &gt; Log

## Log

**Log** To disable the Log function, select **Disabled**. To monitor traffic between the network and the Internet, keep the default, **Enabled**. With logging enabled, you can choose to view temporary logs.

**Logviewer IP Address** If your computer uses Logviewer software, you can enter the fixed IP address of the computer running the software. The Router will now send updated logs to that computer.

When you wish to view the logs, click **View Log**.

- **Save the Log** Click this option to save this information to a file on your computer's hard drive.
- **Refresh** Click this option to update the log.
- **Clear** Click this option to clear all the information that is displayed.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Administration > Diagnostics

The diagnostic tests (Ping and Traceroute) allow you to check the connections of your network devices, including connection to the Internet.



Administration &gt; Diagnostics

## Diagnostics

### Ping Test

Ping checks the status of a connection.

**IP or URL Address** Enter the address of the PC whose connection you wish to test.

**Packet Size** Enter the packet size you want to use. The default is **32** bytes.

**Number to Ping** Enter the number of times you wish to test the connection. The default is **5**.

**Start Test** To run the test, click this button. The *Ping* screen shows if the test is successful. Click **Close** to return to the *Diagnostics* screen. Click **Stop** to stop the test.



Ping

### Traceroute Test

Traceroute checks the performance of a connection.

**IP or URL Address** Enter the address of the PC whose connection you wish to test.

**Start Test** To run the test, click this button. The *Traceroute* screen shows if the test is successful. Click **Close** to return to the *Diagnostics* screen. Click **Stop** to stop the test.



Traceroute

## Administration > Factory Defaults

The *Factory Defaults* screen allows you to restore the Router's configuration to its factory default settings.

### Factory Defaults

**Restore Factory Defaults** To reset the Router's settings to the default values, select **Restore Factory Defaults**. Any settings you have saved will be lost when the default settings are restored.



Administration > Factory Defaults



**NOTE:** Do not restore the factory defaults unless you are having difficulties with the Router and have exhausted all other troubleshooting measures. Once the Router is reset, you will have to re-enter all of your configuration settings.

## Administration > Firmware Upgrade

The *Firmware Upgrade* screen allows you to upgrade the Router's firmware. Do not upgrade the firmware unless you are experiencing problems with the Router or the new firmware has a feature you want to use.



Administration > Firmware Upgrade



**NOTE:** The Router may lose the settings you have customized. Before you upgrade its firmware, write down all of your custom settings. After you upgrade its firmware, you will have to re-enter all of your configuration settings.

## Firmware Upgrade

Before upgrading the firmware, download the Router's firmware upgrade file from the Linksys website, [www.linksysbycisco.com](http://www.linksysbycisco.com).

**Please Select a File to Upgrade** Click **Browse** and select the firmware upgrade file.

**Start Upgrade** After you have selected the appropriate file, click this button, and follow the on-screen instructions.

## Status > Router

The *Router* screen displays information about the Router and its current settings.



Status > Router

## Router Information

**Firmware Version** The version number of the Router's current firmware is displayed.

**Firmware Verification** The unique identifier of the firmware is displayed.

**Current Time** The time set on the Router is displayed.

**Internet MAC Address** The Router's MAC Address, as seen by your ISP, is displayed.

**Server Name** The Server Name is the name used for the USB network storage, FTP, and media server functions of the Router. The default, **WRT610N**, is displayed.

**Host Name** The Host Name of the Router is displayed (if it was entered on the *Setup > Basic Setup* screen).

**Domain Name** The Domain Name of the Router is displayed (if it was entered on the *Setup > Basic Setup* screen).

## Internet Connection

This section shows the current network information stored in the Router. The information varies depending on the Internet connection type selected on the *Setup > Basic Setup* screen.

For a DHCP connection, select **Release IP Address** or **Renew IP Address** as appropriate to release or renew a DHCP lease. For a PPPoE or similar connection, select **Connect** or **Disconnect** as appropriate to connect to or disconnect from the Internet.

Click **Refresh** to update the on-screen information.

## Status > Local Network

The *Local Network* screen displays information about the local network.



Status > Local Network

## Local Network

**Local MAC Address** The MAC address of the Router's local, wired interface is displayed.

**Router IP Address** The Router's IP address, as it appears on your local network, is displayed.

**Subnet Mask** The Subnet Mask of the Router is displayed.

## DHCP Server

**DHCP Server** The status of the Router's DHCP server function is displayed.

**Start IP Address** For the range of IP addresses that can be used by devices on your local network, the starting IP address is displayed.

**End IP Address** For the range of IP addresses that can be used by devices on your local network, the ending IP address is displayed.

**DHCP Clients Table** Click this button to view a list of computers or other devices that are using the Router as a DHCP server.

## Status > Wireless Network

The *Wireless Network* screen displays the status information of your 5 GHz and/or 2.4 GHz wireless network(s).



Status > Wireless Network

### 5GHz/2.4GHz Wireless Network

**MAC Address** The MAC address of the Router's local, wireless interface is displayed.

**Mode** The wireless mode used by the network is displayed.

**Network Name (SSID)** The name of the wireless network, which is also called the SSID, is displayed.

**Radio Band** The Radio Band setting selected on the *Basic Wireless Settings* screen is displayed.

**Wide Channel** The Wide Channel setting selected on the *Basic Wireless Settings* screen is displayed.

**Standard Channel** The Standard Channel setting selected on the *Basic Wireless Settings* screen is displayed.

**Security** The wireless security method used by the Router is displayed.

**SSID Broadcast** The status of the SSID Broadcast feature is displayed.

## Appendix A: Troubleshooting

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### ***Your computer cannot connect to the Internet.***

Follow these instructions until your computer can connect to the Internet:

- Make sure that the Router is powered on. The Power LED should be green and not flashing.
- If the Power LED is flashing, then power off all of your network devices, including the modem, Router, and computers. Then power on each device in the following order:
  1. Cable or DSL modem
  2. Router
  3. Computer
- Check the cable connections. The computer should be connected to one of the ports numbered 1-4 on the Router, and the modem must be connected to the Internet port on the Router.

### ***The modem does not have an Ethernet port.***

The modem is a dial-up modem for traditional dial-up service. To use the Router, you need a cable/DSL modem and high-speed Internet connection.

### ***You cannot use the DSL service to connect manually to the Internet.***

After you have installed the Router, it will automatically connect to your Internet Service Provider (ISP), so you no longer need to connect manually.

### ***The DSL telephone line does not fit into the Router's Internet port.***

The Router does not replace your modem. You still need your DSL modem in order to use the Router. Connect the telephone line to the DSL modem, and then insert the setup CD into your computer. Click **Setup** and follow the on-screen instructions.

***When you double-click the web browser, you are prompted for a username and password. If you want to get rid of the prompt, follow these instructions.***

Launch the web browser and perform the following steps (these steps are specific to Internet Explorer but are similar for other browsers):

1. Select **Tools > Internet Options**.
2. Click the **Connections** tab.
3. Select **Never dial a connection**.
4. Click **OK**.

### ***The Router does not have a coaxial port for the cable connection.***

The Router does not replace your modem. You still need your cable modem in order to use the Router. Connect your cable connection to the cable modem, and then insert the setup CD into your computer. Click **Setup** and follow the on-screen instructions.

### ***The computer cannot connect wirelessly to the network.***

Make sure the wireless network name or SSID is the same on both the computer and the Router. If you have enabled wireless security, then make sure the same security method and key are used by both the computer and the Router.

### ***You need to modify the settings on the Router.***

Open the web browser (for example, Internet Explorer or Firefox), and enter the Router's IP address in the address field (the default IP address is **192.168.1.1**). When prompted, enter the password to the Router (the default is **admin**). Click the appropriate tab to change the settings.

### ***The Router does not recognize your USB storage device.***

Make sure the USB storage device uses the NTFS or FAT format. To check its format, follow these instructions:

1. Connect the USB storage device directly to your computer.
2. On your desktop, double-click **Computer** or **My Computer** icon.
3. Right-click the USB storage device, and click **Properties**.
4. The format is listed in the File system description. If the format is not NTFS or FAT, then back up the data on the USB storage device.

After you have backed up the data on the USB storage drive, you can format it. Right-click the USB storage device, and click **Format**. Follow the on-screen instructions. For more information, refer to Windows Help.



If the Router still does not recognize the USB storage device, then remove the power adapter from the Router's Power port. Wait five seconds, and then re-connect the power adapter to the Router's Power port.

***In Windows Vista, you do not see the USB storage device in the Network screen.***

Make sure the Router and your computer use the same workgroup name. (The default workgroup name of the Router is **workgroup**. In Windows Vista, right-click the **Computer** icon and select **Properties**. Click **Advanced system settings**. Click the **Computer Name** tab. The workgroup name is displayed.) If they differ, then change the workgroup name of the Router. Follow these instructions:

1. Access the web-based utility of the Router. (Refer to **Chapter 3: Advanced Configuration, page 6**.)
2. Click the **Storage** tab.
3. Click the **Administration** tab.
4. In the *Workgroup Name* field, enter the workgroup name of your computer.
5. Click **Save Settings**.

***In Windows XP, you do not see the Router in the My Network Places screen.***

In the *Network Tasks* section, click **Show icons for networked UPnP devices**. If the Router does not appear, follow these instructions:

1. Go to **Start > Control Panel > Firewall**.
2. Click the **Exceptions** tab.
3. Select **UPnP Framework**.
4. Click **OK**.

***In Windows XP, you do not see your USB storage device in the View workgroup computers screen.***

Make sure the Router and your computer use the same workgroup name. (The default workgroup name of the Router is **workgroup**. In Windows XP, go to **Start > Control Panel > System**. Click the **Computer Name** tab. The workgroup name is displayed.) If they differ, then change the workgroup name of the Router. Follow these instructions:

1. Access the web-based utility of the Router. (Refer to **Chapter 3: Advanced Configuration, page 6**.)
2. Click the **Storage** tab.
3. Click the **Administration** tab.
4. In the *Workgroup Name* field, enter the workgroup name of your computer.
5. Click **Save Settings**.



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**WEB:** If your questions are not addressed here, refer to the Linksys by Cisco website, [www.linksysbycisco.com](http://www.linksysbycisco.com)

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## Appendix B: How to Install and Access USB Storage

### Overview

This appendix explains how to do the following:

- connect and access a USB storage device
- map a shortcut to a USB storage device
- create a shared folder on a USB storage device (advanced users)
- manage access to shared folders using group and user accounts (advanced users)

### Install the USB Storage Device

1. Make sure your computer has a wired or wireless connection to the Router.
2. Connect an external USB hard disk drive or USB flash disk to the USB port of the Router.

### Access the USB Storage Device

Follow the instructions for your Windows operating system, Vista or XP.

#### Windows Vista

1. On your desktop, double-click the **Computer** icon.



Computer Icon



**NOTE:** If the Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

2. In the *Address* field, enter **\\WRT610N** (the server name of the Router).

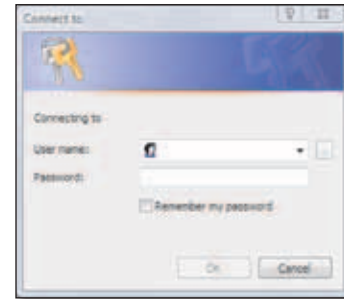


Enter Server Name of Router



**NOTE:** Another option is to use the IP address of the Router. In the *Address* field, enter the local IP address of the Router: **\\xxx.xxx.xxx.xxx**. The default is **192.168.1.1**. You can change this IP address on the *Setup > Basic Setup* screen; refer to **Setup > Basic Setup, page 6**.

3. On the login screen, enter your account user name and password. (For the admin account, **admin** is both the default user name and password.)

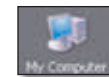


Enter Account User Name and Password

User accounts are set up on the *Storage > Administration* screen; for more information, refer to , **page 41**.

#### Windows XP

1. On your desktop, double-click the **My Computer** icon.



My Computer Icon



**NOTE:** If the My Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

2. In the *Address* field, enter **\\WRT610N** (the server name of the Router).

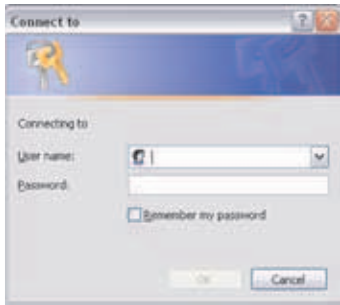


Enter Server Name of Router



**NOTE:** Another option is to use the IP address of the Router. In the *Address* field, enter the local IP address of the Router: **\\xxx.xxx.xxx.xxx**. The default is **192.168.1.1**. You can change this IP address on the *Setup > Basic Setup* screen; refer to **Setup > Basic Setup, page 6**.

3. Enter your account user name and password. (For the admin account, **admin** is both the default user name and password.)



Enter Account User Name and Password

User accounts are set up on the *Storage > Administration* screen; for more information, refer to , [page 41](#).

## Create a Shortcut to a Shared Folder

You can map any folder of the USB storage device as a separate drive. Follow the instructions for your Windows operating system, Vista or XP.

### Windows Vista

#### Map a Drive

1. On your desktop, double-click the **Network** icon.



Network Icon



**NOTE:** If the My Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

2. In the *Address* field, enter **\\WRT610N** (the server name of the Router).

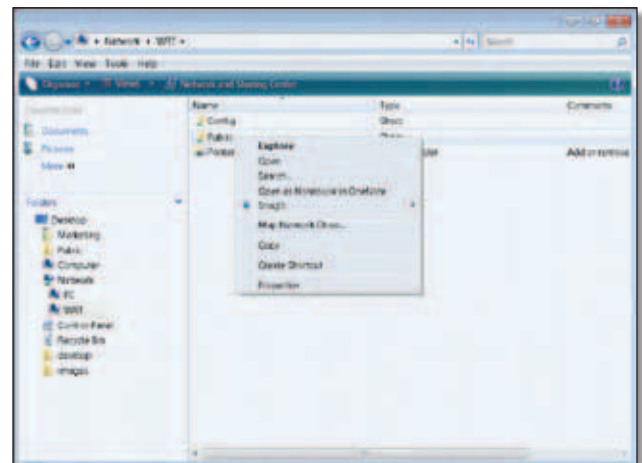


Enter Server Name of Router



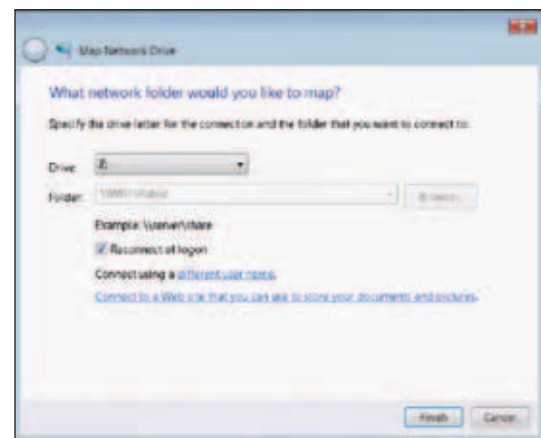
**NOTE:** Another option is to use the IP address of the Router. In the *Address* field, enter the local IP address of the Router: **\\xxx.xxx.xxx.xxx**. The default is **192.168.1.1**. You can change this IP address on the *Setup > Basic Setup* screen; refer to **Setup > Basic Setup, page 6**.

3. Right-click the folder you want to share, and click **Map Network Drive**. (The default shared folder is named **Public**.)



Map Network Drive

4. From the *Drive* drop-down menu, select an available drive letter.



Select Drive Letter

5. Click **Finish**.

## Access Mapped Drive

1. On your desktop, double-click the **Computer** icon.



Computer Icon



**NOTE:** If the Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

2. Double-click the mapped drive to access it.

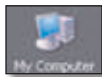


Double-Click Mapped Drive

## Windows XP

### Map a Drive

1. On your desktop, double-click the **My Computer** icon.



My Computer Icon



**NOTE:** If the My Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

2. In the *Address* field, enter **\\WRT610N** (the server name of the Router).

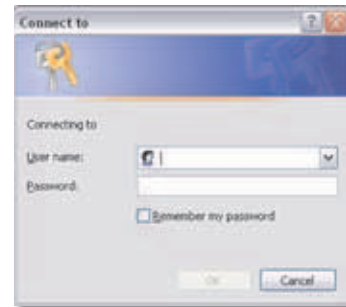


Enter Server Name of Router



**NOTE:** Another option is to use the IP address of the Router. In the *Address* field, enter the local IP address of the Router: **\\xxx.xxx.xxx.xxx**. The default is **192.168.1.1**. You can change this IP address on the *Setup > Basic Setup* screen; refer to **Setup > Basic Setup, page 6**.

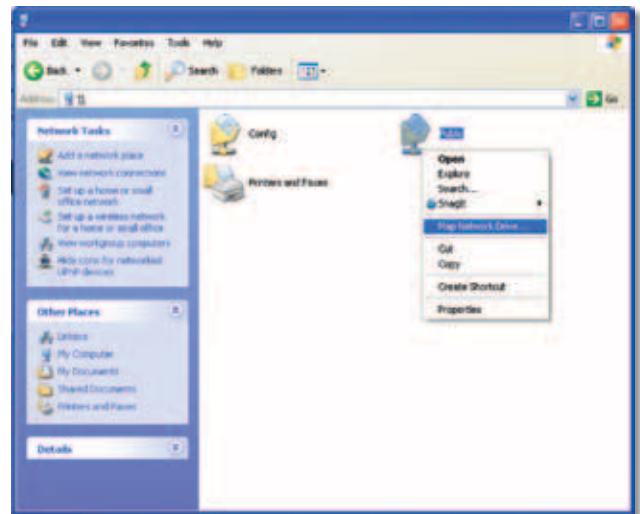
3. A login screen may appear. If prompted, enter your account user name and password. (For the admin account, **admin** is both the default user name and password.)



Enter Account User Name and Password

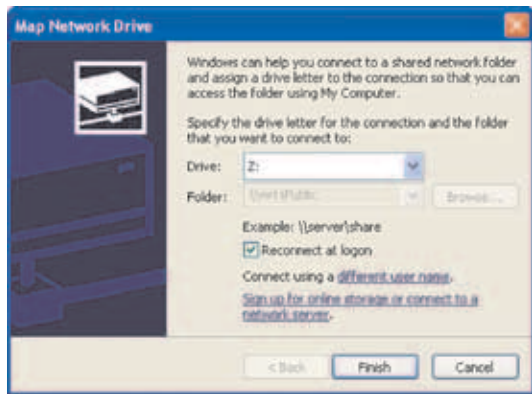
User accounts are set up on the *Storage > Administration* screen; for more information, refer to , **page 41**.

4. Right-click the folder you want to share, and click **Map Network Drive**. (The default shared folder is named **Public**.)



Map Network Drive

- From the *Drive* drop-down menu, select an available drive letter.

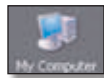


Select Drive Letter

- Click **Finish**.

### Access Mapped Drive

- On your desktop, double-click the **My Computer** icon.

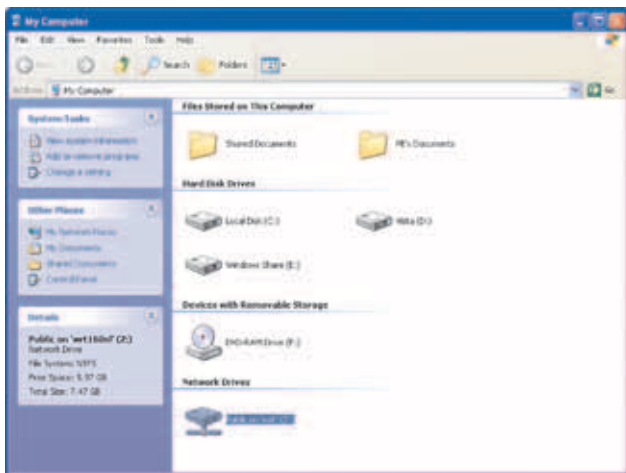


My Computer Icon



**NOTE:** If the My Computer icon is not displayed, then go to **Start > All Programs > Accessories > Windows Explorer**.

- In the *Network Drives* section, double-click the mapped drive to access it.



Double-Click Mapped Drive

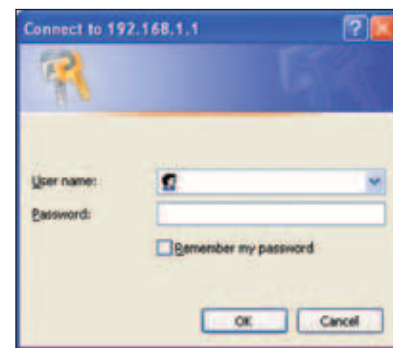
## Advanced Configuration (Advanced Users Only)

To manage access to the USB storage device, you can create shared folders, user groups, and user accounts.

### Access the Browser-Based Utility

To access the browser-based utility, launch the web browser on your computer, and enter the Router's default IP address, **192.168.1.1**, in the *Address* field. Then press **Enter**.

A login screen will appear. (Non-Windows XP users will see a similar screen.) Leave the *User name* field blank. The first time you open the Web-based utility, use the default password **admin**. (You can set a new password on the *Administration > Management* screen. Refer to **Administration > Management, page 30**.) Click **OK** to continue.



Login Screen

### Create a Shared Folder

- Click the **Storage** tab.
- Click the **Disk** tab.



Storage &gt; Disk

- To create a shared folder, click **Create Share**.

Shared Folder

- In the *Display Name* field, create a display name for the shared folder.
- In the *New Folder* field, create a name for the physical location of the shared folder. Then click **Create**.
- If the shared folder should include the entire partition, select **Share entire Partition** and proceed to step 8. If you do not want to share the entire partition, then specify the folder you do want to share.
- Select the appropriate folder. To display sub-folders, click **Enter into Folder**. To return to the previous folder, click **Return to Upper Folder**.
- To allow a group access to the shared folder, select it from the Available Groups column, and then click the >> button.



**NOTE:** Specify which user groups have read-and-write or read-only access to the shared folders.

- To block a group from accessing the shared folder, select it from the Groups with Access column, and then click the << button.
- Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes. Click **Close** to exit the screen and return to the *Disk* screen.

## Create a User Group Account

- Click the **Storage** tab.
- Click the **Administration** tab.

Storage &gt; Administration

- In the *Group Management* section, click **Create New Group**.

Group Account

- In the *Group Name* field, create a name for the group.
- In the *Description* field, enter keywords to describe the group.
- From the *Access* drop-down menu, select the appropriate level of access, **read and write** or **read only**.
- Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes. Click **Close** to exit the screen and return to the *Administration* screen.

## Create a User Account

1. Click the **Storage** tab.
2. Click the **Administration** tab.



Storage > Administration

3. In the *User Management* section, click **Create New User**.



User Account

4. In the *User Name* field, create a name for the user.
5. In the *Full Name* field, enter the actual name of the user.
6. In the *Description* field, enter keywords to describe the user.
7. In the *Password* and *Confirm Password* fields, enter the password that the user will use for login.
8. From the *Group Member* drop-down menu, select the appropriate user group.



**NOTE:** To temporarily disable an account, select **Account Disabled**.

9. Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes. Click **Close** to exit the screen and return to the *Administration* screen.

## Appendix C: Specifications

Model	WRT610N
Standards	Draft 802.11n, 802.11a, 802.11g, 802.11b, 802.3, 802.3u, 802.3ab
Ports	Power, Ethernet 1-4, Internet, USB
Button	Power, Reset, Wi-Fi Protected Setup
LEDs	Power, USB, Internet, Wireless, Wi-Fi Protected Setup, Ethernet (1-4)
No. of Antennas	6 Total, 3 Internal Antennas per Each 2.4 GHz & 5 GHz Radio Band
Detachable (y/n)	No
Modulations	802.11b: CCK, QPSK, BPSK 802.11g: OFDM 802.11a: OFDM Wireless-N: BPSK, QPSK, 16-QAM, 64-QAM
RF Pwr (EIRP) in dBm	
2.4GHz Output Power Per TX Chain	
802.11b:	Max. 20.5 dBm @ All Rates
802.11g:	Max. 20.5 dBm @ Low Rates Max. 19.5 dBm @ High Rates
Wireless-N	
20 MHz:	Max. 20.5 dBm @ Low Rates Max. 18.5 dBm @ High Rates
Wireless-N	
40 MHz:	Max. 17.0 dBm @ All Rates
5 GHz Output Power Per TX Chain	
UNII-1 (5150-5250 GHz)	
802.11a:	Max. 14.0 dBm @ All Rates
Wireless-N	
20 MHz:	Max. 11.5 dBm @ All Rates
Wireless-N	
40 MHz:	Max. 12.0 dBm @ All Rates
UNII-3 (5725-5850 GHz)	
802.11a:	Max. 17.5 dBm @ High Rates
802.11a:	Max. 20.0 dBm @ Low Rates
Wireless-N	
20 MHz:	Max. 17.5 dBm @ High Rates
Wireless-N	
20 MHz:	Max. 20.0 dBm @ Low Rates
Wireless-N	
40 MHz:	Max. 17.5 dBm @ High Rates
Wireless-N	
40 MHz:	Max. 21.0 dBm @ Low Rates

Receive Sensitivity	2.4 GHz 11 Mbps: -87 dBm @ Typical 54 Mbps: -77 dBm @ Typical MCS15 (20 MHz): -71 dBm @ Typical MCS15 (40 MHz): -68 dBm @ Typical
	5 GHz 54 Mbps: -74 dBm @ Typical MCS15 (20 MHz): -68 dBm @ Typical MCS15 (40 MHz): -65 dBm @ Typical
Antenna Gain in dBi	2.4 GHz: PIFA 1 & PIFA 2 & PIFA 3 <= 4 dBi (Typical) 5 GHz: PIFA 1 & PIFA 2 & PIFA 3 <= 3.5 dBi (Typical)
UPnP	Supported
Security Features	WEP, WPA, WPA2
WEP Key Bits	Up to 128-Bit Encryption

### Environmental

Dimensions	8.86" x 1.38" x 7.09" (225 x 35 x 180 mm)
Unit Weight	15.94 oz (452 g)
Power	12V, 2A
Certifications	FCC, IC, CE, Wi-Fi a/b/g/draft-n, Recycle Logo, Energy Star EPS
Operating Temp.	0 to 40°C (32 to 104°F)
Storage Temp.	-20 to 60°C (-4 to 140°F)
Operating Humidity	10 to 80%, Relative Humidity and Noncondensing
Storage Humidity	5 to 90% Noncondensing

Specifications are subject to change without notice.



## Appendix D: Warranty Information

### Limited Warranty

FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS. THIS WARRANTY DOES NOT EXCLUDE, LIMIT OR SUSPEND ANY RIGHTS OF CONSUMERS ARISING OUT OF NONCONFORMITY WITH A SALES CONTRACT. SOME COUNTRIES, STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION MAY LAST, SO THE LIMITATIONS OR EXCLUSIONS DESCRIBED BELOW MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY COUNTRY, STATE OR PROVINCE. THIS LIMITED WARRANTY IS GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE COUNTRY IN WHICH THE PRODUCT PURCHASE TOOK PLACE.

Linksys warrants the hardware in this Linksys product against defects in materials and workmanship under normal use for the Warranty Period, which begins on the date of purchase by the original end-user purchaser and lasts for the period specified below:

- One (1) year for new product
- Ninety (90) days for refurbished product

Your exclusive remedy and Linksys' entire liability under this limited warranty will be for Linksys, at its option, to (a) repair the product with new or refurbished parts, (b) replace the product with a reasonably available equivalent new or refurbished Linksys product, or (c) refund the purchase price of the product less any rebates. Any repaired or replacement products will be warranted for the remainder of the original Warranty Period or thirty (30) days, whichever is longer. All products and parts that are replaced become the property of Linksys.

Linksys additionally warrants that any media on which the software may be provided will be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of original purchase. Your exclusive remedy and Linksys' entire liability under this limited warranty will be for Linksys, at its option, to (a) replace the software media, or (b) refund the purchase price of the software media.

### Exclusions and Limitations

This limited warranty does not apply if: (a) the product assembly seal has been removed or damaged, (b) the product has been altered or modified, except by Linksys, (c) the product damage was caused by use with non-Linksys products, (d) the product has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Linksys, (e) the product has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident, (f) the serial number on the Product has been altered, defaced, or removed, or (g) the product is supplied or licensed for beta, evaluation, testing or demonstration purposes for which Linksys does not charge a purchase price or license fee.

EXCEPT FOR THE LIMITED WARRANTY ON MEDIA SET FORTH ABOVE AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL SOFTWARE AND SERVICES PROVIDED BY LINKSYS WITH THE PRODUCT, WHETHER FACTORY LOADED ON THE PRODUCT OR CONTAINED ON MEDIA ACCOMPANYING THE PRODUCT, IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. Without limiting the foregoing, Linksys does not warrant that the operation of the product, software or services will be uninterrupted or error free. Also, due to the continual development of new techniques for intruding upon and attacking networks, Linksys does not warrant that the product, software or services, or any equipment, system or network on which the product, software or services are used will be free of vulnerability to intrusion or attack. The product may include or be bundled with third party software or service offerings. This limited warranty shall not apply to such third party software or service offerings. This limited warranty does not guarantee any continued availability of a third party's service for which this product's use or operation may require.

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE WARRANTY PERIOD. ALL OTHER EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF NON-INFRINGEMENT, ARE DISCLAIMED.

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT WILL LINKSYS BE LIABLE FOR ANY LOST DATA, REVENUE OR PROFIT, LOSS OF THE ABILITY TO USE ANY THIRD PARTY PRODUCTS, SOFTWARE OR SERVICES, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, REGARDLESS OF THE THEORY OF LIABILITY (INCLUDING NEGLIGENCE), ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT, SOFTWARE OR ANY SERVICES PROVIDED IN RESPECT OF SUCH PRODUCT, SOFTWARE OR SERVICE, EVEN IF LINKSYS HAS BEEN ADVISED OF THE POSSIBILITY

OF SUCH DAMAGES. TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT WILL LINKSYS' LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT. The foregoing limitations will apply even if any warranty or remedy provided under this limited warranty fails of its essential purpose.

No Linksys employee, agent or reseller is authorized to make any verbal or written modification, extension or addition to this warranty, and Linksys expressly disclaims any such change to this warranty. If any portion of this limited warranty is found to be void or unenforceable, its remaining provisions shall remain in full force and effect.

### Obtaining Warranty Service

If you have a question about your product or experience a problem with it, please go to [www.linksysbycisco.com/support](http://www.linksysbycisco.com/support) where you will find a variety of online support tools and information to assist you with your product. If the product proves defective during the Warranty Period, contact Linksys Technical Support (or, if you purchased your product from a service provider, contact the service provider) for instructions on how to obtain warranty service. The telephone number for Linksys Technical Support in your area can be found by clicking the "Contact Us" link on the home page of [www.linksysbycisco.com](http://www.linksysbycisco.com). Have your product serial number and proof of purchase on hand when calling. A DATED PROOF OF ORIGINAL PURCHASE IS REQUIRED TO PROCESS WARRANTY CLAIMS. If you are requested to return your product, you will be given a Return Materials Authorization (RMA) number. You are responsible for properly packaging and shipping your product at your cost and risk. You must include the RMA number and a copy of your dated proof of original purchase when returning your product. Products received without a RMA number and dated proof of original purchase will be rejected. Do not include any other items with the product you are returning. Defective product covered by this limited warranty will be repaired or replaced and returned to you without charge. Customers outside of the United States of America and Canada are responsible for all shipping and handling charges, custom duties, VAT and other associated taxes and charges. Repairs or replacements not covered under this limited warranty will be subject to charge at Linksys' then-current rates.

### Technical Support

This limited warranty is neither a service nor a support contract. Information about Linksys' current technical support offerings and policies (including any fees for support services) can be found at [www.linksysbycisco.com/support](http://www.linksysbycisco.com/support).

Please direct all inquiries to: Linksys, P.O. Box 18558, Irvine, CA 92623.

## Appendix E: Regulatory Information

### FCC Statement

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.

This product has been tested and complies with the specifications 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 according to 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 is found 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 or devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance

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.

IEEE 802.11b or 802.11g operation of this product in the USA is firmware-limited to channels 1 through 11.

The device for the band 5150-5250 MHz is only for indoor usage to reduce the potential for harmful interference to co-channel mobile satellite systems.

### 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 20 cm between the radiator and your body.

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

### Safety Notices



**WARNING:** Do not use this product near water, for example, in a wet basement or near a swimming pool.



**WARNING:** Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.



**WARNING:** This product contains lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

Caution: To reduce the risk of fire, use only No.26 AWG or larger telecommunication line cord.

### Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003 and RSS210.

Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the EIRP is not more than required for successful communication.

### Industry Canada Radiation Exposure Statement

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

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

### Restrictions in the 5 GHz Band

1. The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.
2. This device has been designed to operate with an antenna having a maximum gain of 4 dBi and 3.5 dBi at 2.4 GHz and 5 GHz respectively. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

Because high power radars are allocated as primary users (meaning they have priority) in 5250-5350 MHz and 5650-5850 MHz, these radars could cause interference and/or damage to licensed exempt LAN devices.

Additional requirements for the band 5600-5650 MHz: Until further notice, devices subject to this Section shall not be capable of transmitting in the band 5600-5650 MHz, so that Environment Canada weather radars operating in this band are protected.

## Avis d'Industrie Canada

Cet appareil numérique de la classe B est conforme aux normes NMB-003 et RSS210 du Canada.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

1. il ne doit pas produire de brouillage et
2. il doit accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

## Avis d'Industrie Canada concernant l'exposition aux radiofréquences

Ce matériel est conforme aux limites établies par IC en matière d'exposition aux radiofréquences dans un environnement non contrôlé. Ce matériel doit être installé et utilisé à une distance d'au moins 20 cm entre l'antenne et le corps de l'utilisateur.

L'émetteur ne doit pas être placé près d'une autre antenne ou d'un autre émetteur, ou fonctionner avec une autre antenne ou un autre émetteur.

## Restrictions dans la bande 5 GHz

1. L'appareil pour la bande de 5 150 à 5 250 MHz est conçu pour usage à l'intérieur seulement afin de réduire le potentiel d'interférences pour les systèmes mobiles par satellite qui utilisent le même canal.
2. Cet appareil est conçu pour fonctionner avec une antenne ayant un gain maximal de 4 dBi à 2,4 GHz et de 3,5 dBi à 5 GHz. Les antennes ayant un gain plus élevé sont strictement interdites par Industrie Canada. L'impédance d'antenne requise est de 50 ohms.

Du fait que les radars haute puissance ont la priorité dans les bandes 5 250-5 350 MHz et 5 650-5 850 MHz, ils pourraient causer des interférences ou endommager les périphériques réseau sans fil.

Autres restrictions pour la bande 5 600-5 650 MHz : sauf avis contraire, les périphériques concernés par cette section ne doivent pas être capables de transmettre dans la bande 5 600-5 650 MHz afin de protéger les radars d'Environnement Canada qui l'utilisent.

## Wireless Disclaimer

The maximum performance for wireless is derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

## Avis de non-responsabilité concernant les appareils sans fil


Les performances maximales pour les réseaux sans fil sont tirées des spécifications de la norme IEEE 802.11. Les performances réelles peuvent varier, notamment en fonction de la capacité du réseau sans fil, du débit de la transmission de données, de la portée et de la couverture. Les performances dépendent de facteurs, conditions et variables multiples, en particulier de la distance par rapport au point d'accès, du volume du trafic réseau, des matériaux utilisés dans le bâtiment et du type de construction, du système d'exploitation et de la combinaison de produits sans fil utilisés, des interférences et de toute autre condition défavorable.

## User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)


This document contains important information for users with regards to the proper disposal and recycling of Linksys products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:




### English - Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol  on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.


### Български (Bulgarian) - Информация относно опазването на околната среда за потребители в Европейския съюз

Европейска директива 2002/96/EC изисква уредите, носещи този символ  върху изделието и/или опаковката му, да не се изхвърлят с несортирани битови отпадъци. Символът обозначава, че изделието трябва да се изхвърля отделно от сметосъбирането на обикновените битови отпадъци. Вашата отговорност е този и другите електрически и електронни уреди да се изхвърлят в предварително определени от държавните или общински органи специализирани пунктове за събиране. Правилното изхвърляне и рециклиране ще спомогнат да се предотвратят евентуални вредни за околната среда и здравето на населението последствия. За по-подробна информация относно изхвърлянето на вашите стари уреди се обърнете към местните власти, службите за сметосъбиране или магазина, от който сте закупили уреда.


### Čeština (Czech) - Informace o ochraně životního prostředí pro zákazníky v zemích Evropské unie

Evropská směrnice 2002/96/ES zakazuje, aby zařízení označené tímto symbolem  na produktu anebo na obalu bylo likvidováno s netříděným komunálním odpadem. Tento symbol udává, že daný produkt musí být likvidován odděleně od běžného komunálního odpadu. Odpovídáte za likvidaci tohoto produktu a dalších elektrických a elektronických zařízení prostřednictvím určených sběrných míst stanovených vládou nebo místními úřady. Správná likvidace a recyklace pomáhá předcházet potenciálním negativním dopadům na životní prostředí a lidské zdraví. Podrobnější informace o likvidaci starého vybavení si laskavě vyžádejte od místních úřadů, podniku zabývajícího se likvidací komunálních odpadů nebo obchodu, kde jste produkt zakoupili.


### Dansk (Danish) - Miljøinformation for kunder i EU

EU-direktiv 2002/96/EF kræver, at udstyr der bærer dette symbol  på produktet og/eller emballagen ikke må bortskaffes som usorteret kommunalt affald. Symbolet betyder, at dette produkt skal bortskaffes adskilt fra det almindelige husholdningsaffald. Det er dit ansvar at bortskaffe dette og andet elektrisk og elektronisk udstyr via bestemte indsamlingssteder udpeget af staten eller de lokale myndigheder. Korrekt bortskaffelse og genvinding vil hjælpe med til at undgå mulige skader for miljøet og menneskers sundhed. Kontakt venligst de lokale myndigheder, renovationstjenesten eller den butik, hvor du har købt produktet, angående mere detaljeret information om bortskaffelse af dit gamle udstyr.


### Deutsch (German) - Umweltinformation für Kunden innerhalb der Europäischen Union

Die Europäische Richtlinie 2002/96/EC verlangt, dass technische Ausrüstung, die direkt am Gerät und/oder an der Verpackung mit diesem Symbol versehen ist , nicht zusammen mit unsortiertem Gemeindeabfall entsorgt werden darf. Das Symbol weist darauf hin, dass das Produkt von regulärem Haushaltsmüll getrennt entsorgt werden sollte. Es liegt in Ihrer Verantwortung, dieses Gerät und andere elektrische und elektronische Geräte über die dafür zuständigen und von der Regierung oder örtlichen Behörden dazu bestimmten Sammelstellen zu entsorgen. Ordnungsgemäßes Entsorgen und Recyceln trägt dazu bei, potentielle negative Folgen für Umwelt und die menschliche Gesundheit zu vermeiden. Wenn Sie weitere Informationen zur Entsorgung Ihrer Altgeräte benötigen, wenden Sie sich bitte an die örtlichen Behörden oder städtischen Entsorgungsdienste oder an den Händler, bei dem Sie das Produkt erworben haben.


### **Eesti (Estonian) - Keskkonnaalane informatsioon Euroopa Liidus asuvatele klientidele**

Euroopa Liidu direktiivi 2002/96/EÜ nõuete kohaselt on seadmeid, millel on tootel või pakendil käesolev sümbol , keelatud kõrvaldada koos sorteerimata olmejäätmetega. See sümbol näitab, et toode tuleks kõrvaldada eraldi tavalistest olmejäätmevoogudest. Olete kohustatud kõrvaldama käesoleva ja ka muud elektri- ja elektroonikaseadmed riigi või kohalike ametiasutuste poolt ette nähtud kogumispunktide kaudu. Seadmete korrektn kõrvaldamine ja ringlussevõtt aitab vältida võimalikke negatiivseid tagajärgi keskkonnale ning inimeste tervisele. Vanade seadmete kõrvaldamise kohta täpsema informatsiooni saamiseks võtke palun ühendust kohalike ametiasutustega, jäätmekäitlusfirmaga või kauplusega, kust te toote ostsite.


### **Español (Spanish) - Información medioambiental para clientes de la Unión Europea**

La Directiva 2002/96/CE de la UE exige que los equipos que lleven este símbolo , en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.


### **Ελληνικά (Greek) - Στοιχεία περιβαλλοντικής προστασίας για πελάτες εντός της Ευρωπαϊκής Ένωσης**

Σύμφωνα με την Κοινοτική Οδηγία 2002/96/EC, ο εξοπλισμός που φέρει αυτό το σύμβολο , στο προϊόν ή/και τη συσκευασία του δεν πρέπει να απορρίπτεται μαζί με τα μη διαχωρισμένα αστικά απορρίμματα. Το σύμβολο υποδεικνύει ότι αυτό το προϊόν θα πρέπει να απορρίπτεται ξεχωριστά από τα συνήθη οικιακά απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος και άλλου ηλεκτρικού και ηλεκτρονικού εξοπλισμού μέσω των καθορισμένων εγκαταστάσεων συγκέντρωσης απορριμμάτων, οι οποίες ορίζονται από το κράτος ή τις αρμόδιες τοπικές αρχές. Η σωστή απόρριψη και ανακύκλωση συμβάλλει στην πρόληψη ενδεχόμενων αρνητικών επιπτώσεων στο περιβάλλον και την υγεία. Για περισσότερες πληροφορίες σχετικά με την απόρριψη του παλαιού σας εξοπλισμού, επικοινωνήστε με τις τοπικές αρχές, τις υπηρεσίες αποκομιδής απορριμμάτων ή το κατάστημα από το οποίο αγοράσατε το προϊόν.


### **Français (French) - Informations environnementales pour les clients de l'Union européenne**

La directive européenne 2002/96/CE exige que l'équipement sur lequel est apposé ce symbole , sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L'élimination et le recyclage en bonne et due forme ont pour but de lutter contre l'impact néfaste potentiel de ce type de produits sur l'environnement et la santé publique. Pour plus d'informations sur le mode d'élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l'endroit où vous avez acheté le produit.


### **Italiano (Italian) - Informazioni relative all'ambiente per i clienti residenti nell'Unione Europea**

La direttiva europea 2002/96/EC richiede che le apparecchiature contrassegnate con questo simbolo , sul prodotto e/o sull'imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l'ambiente e per la salute dell'essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.


### **Latviešu valoda (Latvian) - Ekoloģiska informācija klientiem Eiropas Savienības jurisdikcijā**

Direktīvā 2002/96/EK ir prasība, ka aprīkojumu, kam pievienota zīme , uz paša izstrādājuma vai uz tā iesaiņojuma, nedrīkst izmest nešķīrotā veidā kopā ar komunālajiem atkritumiem (tiem, ko rada vietēji iedzīvotāji un uzņēmumi). Šī zīme nozīmē to, ka šī ierīce ir jāizmet atkritumos tā, lai tā nenonāktu kopā ar parastiem mājsaimniecības atkritumiem. Jūsu pienākums ir šo un citas elektriskas un elektroniskas ierīces izmest atkritumos, izmantojot īpašus atkritumu savākšanas veidus un līdzekļus, ko nodrošina valsts un pašvaldību iestādes. Ja izmešana atkritumos un pārstrāde tiek veikta pareizi, tad mazinās iespējamais kaitējums dabai un cilvēku veselībai. Sīkākas ziņas par novecojuša aprīkojuma izmešanu atkritumos jūs varat saņemt vietējā pašvaldībā, atkritumu savākšanas dienestā, kā arī veikalā, kur iegādājāties šo izstrādājumu.


### Lietuvškai (Lithuanian) - Aplinkosaugos informacija, skirta Europos Sąjungos vartotojams

Europos direktyva 2002/96/EC numato, kad įrangos, kuri ir  kurios pakuotė yra pažymėta šiuo simboliu (įveskite simbolį), negalima šalinti kartu su nerūšiuotomis komunalinėmis atliekomis. Šis simbolis rodo, kad gaminį reikia šalinti atskirai nuo bendro buitinių atliekų srauto. Jūs privalote užtikrinti, kad ši ir kita elektros ar elektroninė įranga būtų šalinama per tam tikras nacionalinės ar vietinės valdžios nustatytas atliekų rinkimo sistemas. Tinkamai šalinant ir perdirbant atliekas, bus išvengta galimos žalos aplinkai ir žmonių sveikatai. Daugiau informacijos apie jūsų senos įrangos šalinimą gali pateikti vietinės valdžios institucijos, atliekų šalinimo tarnybos arba parduotuvės, kuriose įsigijote tą gaminį.


### Malti (Maltese) - Informazzjoni Ambjentali għal Kliġenti fl-Unjoni Ewropea

Id-Direttiva Ewropea 2002/96/KE titlob li t-tagħmir li jkun fi h is-simbolu  fuq il-prodott u/jew fuq l-ippakkjar ma jistax jintrema ma' skart muniċipali li ma għex isseparat. Is-simbolu jindika li dan il-prodott għandu jintrema separatament minn ma' l-iskart domestiku regolari. Hija responsabbiltà tiegħek li tarmi dan it-tagħmir u kull tagħmir ieħor ta' l-elettriku u elettroniku permezz ta' faċilitajiet ta' għbir appuntati apposta mill-gvern jew mill-awtoritajiet lokali. Ir-rimi b'mod korrett u r-riċiklaġġ jgħin jipprevjeni konsegwenzi negattivi potenzjali għall-ambjent u għas-saħħa tal-bniedem. Għal aktar informazzjoni dettaljata dwar ir-rimi tat-tagħmir antik tiegħek, jekk jogħġbok ikkuntattja lill-awtoritajiet lokali tiegħek, is-servizzi għar-rimi ta' l-iskart, jew il-ħanut minn fejn xtrajt il-prodott.


### Magyar (Hungarian) - Környezetvédelmi információ az európai uniós vásárlók számára

A 2002/96/EC számú európai uniós irányelv megkívánja, hogy azokat a termékeket, amelyeken, és/vagy amelyek csomagolásán az alábbi címke  megjelenik, tilos a többi szelektálatlan lakossági hulladékkal együtt kidobni. A címke azt jelöli, hogy az adott termék kidobásakor a szokványos háztartási hulladékészállítás rendszerektől elkülönített eljárást kell alkalmazni. Az Ön felelőssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtőredszereken keresztül számolja fel. A megfelelő hulladékfeldolgozás segít a környezetre és az emberi egészségre potenciálisan ártalmas negatív hatások megelőzésében. Ha elavult berendezéseinek felszámolásához további részletes információra van szüksége, kérjük, lépjen kapcsolatba a helyi hatóságokkal, a hulladékfeldolgozási szolgálattal, vagy azzal üzlettel, ahol a terméket vásárolta.


### Nederlands (Dutch) - Milieu-informatie voor klanten in de Europese Unie

De Europese Richtlijn 2002/96/EC schrijft voor dat apparatuur die is voorzien van dit symbool  op het product of de verpakking, niet mag worden ingezameld met niet-gescheiden huishoudelijk afval. Dit symbool geeft aan dat het product apart moet worden ingezameld. U bent zelf verantwoordelijk voor de vernietiging van deze en andere elektrische en elektronische apparatuur via de daarvoor door de landelijke of plaatselijke overheid aangewezen inzamelingskanalen. De juiste vernietiging en recycling van deze apparatuur voorkomt mogelijke negatieve gevolgen voor het milieu en de gezondheid. Voor meer informatie over het vernietigen van uw oude apparatuur neemt u contact op met de plaatselijke autoriteiten of afvalverwerkingsdienst, of met de winkel waar u het product hebt aangeschaft.


### Norsk (Norwegian) - Miljøinformasjon for kunder i EU

EU-direktiv 2002/96/EF krever at utstyr med følgende symbol  avbildet på produktet og/eller pakningen, ikke må kastes sammen med usortert avfall. Symbolet indikerer at dette produktet skal håndteres atskilt fra ordinær avfallsinnsamling for husholdningsavfall. Det er ditt ansvar å kvitte deg med dette produktet og annet elektrisk og elektronisk avfall via egne innsamlingsordninger slik myndighetene eller kommunene bestemmer. Korrekt avfallshåndtering og gjenvinning vil være med på å forhindre mulige negative konsekvenser for miljø og helse. For nærmere informasjon om håndtering av det kasserte utstyret ditt, kan du ta kontakt med kommunen, en innsamlingsstasjon for avfall eller butikken der du kjøpte produktet.


### Polski (Polish) - Informacja dla klientów w Unii Europejskiej o przepisach dotyczących ochrony środowiska

Dyrektywa Europejska 2002/96/EC wymaga, aby sprzęt oznaczony symbolem  znajdującym się na produkcie i/lub jego opakowaniu nie był wyrzucany razem z innymi niesortowanymi odpadami komunalnymi. Symbol ten wskazuje, że produkt nie powinien być usuwany razem ze zwykłymi odpadami z gospodarstw domowych. Na Państwu spoczywa obowiązek wyrzucania tego i innych urządzeń elektrycznych oraz elektronicznych w punktach odbioru wyznaczonych przez władze krajowe lub lokalne. Pozbywanie się sprzętu we właściwy sposób i jego recykling pomogą zapobiec potencjalnie negatywnym konsekwencjom dla środowiska i zdrowia ludzkiego. W celu uzyskania szczegółowych informacji o usuwaniu starego sprzętu, prosimy zwrócić się do lokalnych władz, służb oczyszczania miasta lub sklepu, w którym produkt został nabyty.


### Português (Portuguese) - Informação ambiental para clientes da União Europeia

A Directiva Europeia 2002/96/CE exige que o equipamento que exibe este símbolo  no produto e/ou na sua embalagem não seja eliminado junto com os resíduos municipais não separados. O símbolo indica que este produto deve ser eliminado separadamente dos resíduos domésticos regulares. É da sua responsabilidade eliminar este e qualquer outro equipamento eléctrico e electrónico através das instalações de recolha designadas pelas autoridades governamentais ou locais. A eliminação e reciclagem correctas ajudarão a prevenir as consequências negativas para o ambiente e para a saúde humana. Para obter informações mais detalhadas sobre a forma de eliminar o seu equipamento antigo, contacte as autoridades locais, os serviços de eliminação de resíduos ou o estabelecimento comercial onde adquiriu o produto.


### Română (Romanian) - Informații de mediu pentru clienții din Uniunea Europeană

Directiva europeană 2002/96/CE impune ca echipamentele care prezintă acest simbol  pe produs și/sau pe ambalajul acestuia să nu fie casate împreună cu gunoiul menajer municipal. Simbolul indică faptul că acest produs trebuie să fie casat separat de gunoiul menajer obișnuit. Este responsabilitatea dvs. să cașiți acest produs și alte echipamente electrice și electronice prin intermediul unităților de colectare special desemnate de guvern sau de autoritățile locale. Casarea și reciclarea corecte vor ajuta la prevenirea potențialelor consecințe negative asupra sănătății mediului și a oamenilor. Pentru mai multe informații detaliate cu privire la casarea acestui echipament vechi, contactați autoritățile locale, serviciul de salubritate sau magazinul de la care ați achiziționat produsul.


### Slovenčina (Slovak) - Informácie o ochrane životného prostredia pre zákazníkov v Európskej únii

Podľa európskej smernice 2002/96/ES zariadenie s týmto symbolom  na produkte a/alebo jeho balení nesmie byť likvidované spolu s netriedeným komunálnym odpadom. Symbol znamená, že produkt by sa mal likvidovať oddelene od bežného odpadu z domácností. Je vašou povinnosťou likvidovať toto i ostatné elektrické a elektronické zariadenia prostredníctvom špecializovaných zberných zariadení určených vládou alebo miestnymi orgánmi. Správna likvidácia a recyklácia pomôže zabrániť prípadným negatívnym dopadom na životné prostredie a zdravie ľudí. Ak máte záujem o podrobnejšie informácie o likvidácii starého zariadenia, obráťte sa, prosím, na miestne orgány, organizácie zaoberajúce sa likvidáciou odpadov alebo obchod, v ktorom ste si produkt zakúpili.


### Slovenščina (Slovene) - Okoljske informacije za stranke v Evropski uniji

Evropska direktiva 2002/96/ES prepoveduje odlaganje opreme s tem simbolom  – na izdelku in/ali na embalaži z nesortiranimi komunalnimi odpadki. Ta simbol opozarja, da je treba izdelek zavreči ločeno od preostalih gospodinjskih odpadkov. Vaša odgovornost je, da to in preostalo električno in elektronsko opremo oddate na posebna zbirališča, ki jih določijo državne ustanove ali lokalne oblasti. S pravilnim odlaganjem in recikliranjem boste preprečili morebitne škodljive vplive na okolje in zdravje ljudi. Če želite izvedeti več o odlaganju stare opreme, se obrnite na lokalne oblasti, odlagališče odpadkov ali trgovino, kjer ste izdelek kupili.

### Suomi (Finnish) - Ympäristöä koskevia tietoja EU-alueen asiakkaille

EU-direktiivi 2002/96/EY edellyttää, että jos laitteistossa on tämä symboli  itse tuotteessa ja/tai sen pakkauksessa, laitteistoa ei saa hävittää lajittelemattoman yhdyskuntajätteen mukana. Symboli merkitsee sitä, että tämä tuote on hävitettävä erillään tavallisesta kotitalousjätteestä. Sinun vastuullasi on hävittää tämä elektroniikkatuote ja muut vastaavat elektroniikkatuotteet viemällä tuote tai tuotteet viranomaisten määräämään keräyspisteeseen. Laitteiston oikea hävittäminen estää mahdolliset kielteiset vaikutukset ympäristöön ja ihmisten terveyteen. Lisätietoja vanhan laitteiston oikeasta hävitystavasta saa paikallisilta viranomaisilta, jätteenhävityspalvelusta tai siitä myymälästä, josta ostit tuotteen.

### Svenska (Swedish) - Miljöinformation för kunder i Europeiska unionen

Det europeiska direktivet 2002/96/EC kräver att utrustning med denna symbol  på produkten och/eller förpackningen inte får kastas med osorterat kommunalt avfall. Symbolen visar att denna produkt bör kastas efter att den avskiljts från vanligt hushållsavfall. Det faller på ditt ansvar att kasta denna och annan elektrisk och elektronisk utrustning på fastställda samlingsplatser utsedda av regeringen eller lokala myndigheter. Korrekt kassering och återvinning skyddar mot eventuella negativa konsekvenser för miljön och personhälsa. För mer detaljerad information om kassering av din gamla utrustning kontaktar du dina lokala myndigheter, avfallshanteringen eller butiken där du köpte produkten.



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  - c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
  - d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a “work that uses the Library”. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a “work that uses the Library” with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a “work that uses the library”. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a “work that uses the Library” uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a “work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer’s own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the “work that uses the Library” must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
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The implementation was written so as to conform with Netscape's SSL.

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