About This Guide

Icon Descriptions

While reading through the User Guide you may see various icons that call attention to specific items. Below is a description of these icons:

**NOTE:** This check mark indicates that there is a note of interest and is something that you should pay special attention to while using the product.

**WARNING:** This exclamation point indicates that there is a caution or warning and it is something that could damage your property or product.

**WEB:** This globe icon indicates a noteworthy website address or e-mail address.

Online Resources

Website addresses in this document are listed without `http://` in front of the address because most current web browsers do not require it. If you use an older web browser, you may have to add `http://` in front of the web address.

<table>
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<td><a href="http://www.linksysbycisco.com">www.linksysbycisco.com</a></td>
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International | www.linksysbycisco.com/international         |
| Glossary       | www.linksysbycisco.com/glossary             |
| Network
Security     | www.linksysbycisco.com/security             |

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Chapter 1: Product Overview

Thank you for choosing the Linksys by Cisco Wireless-N Ethernet Bridge with Dual-Band. The Bridge can connect any wired, Ethernet device to your wireless network. The Bridge is based on dual-band Wireless-N, so it is compatible with any Wireless-N, -G, -A, or -B router or access point. For first-time installation, run the Setup Wizard on the enclosed CD. To configure advanced settings, use the convenient, browser-based utility.

LEDs Panel

Wireless (Blue) The Wireless LED lights up when there is a wireless connection. The LED flashes when the Bridge is actively sending or receiving data over the wireless network.

Wi-Fi Protected Setup Button If your router supports Wi-Fi Protected Setup and uses WPA or WPA2 security, then you can use Wi-Fi Protected Setup to automatically connect the Bridge. To use Wi-Fi Protected Setup, run the Setup Wizard, or refer to Wireless > Basic Wireless Settings, page 4.

Wi-Fi Protected Setup LED (Blue/Amber) The LED flashes blue for two minutes during Wi-Fi Protected Setup. It lights up blue when wireless security is enabled. If there is an error during the Wi-Fi Protected Setup process, then the LED lights up amber. Make sure the network router supports Wi-Fi Protected Setup. Wait until the LED is off, and then try again.

Ethernet (Blue) The Ethernet LED lights up when there is a wired connection. The LED flashes when the Bridge is actively sending or receiving data over the Ethernet port.

Power (Blue) The Power LED lights up when the Bridge is powered on.

Ports Panel

Ethernet The Ethernet port connects the Bridge to a computer or other Ethernet network device.

Reset There are two ways to reset the Bridge’s factory defaults. Either press and hold the Reset button for approximately five seconds, or restore the defaults from Administration > Factory Defaults in the Bridge’s web-based utility.

Power The Power port connects the Bridge to the included power adapter.
Chapter 2: Wireless Security Checklist

Wireless networks are convenient and easy to install, so homes with high-speed Internet access are adopting them at a rapid pace. Because wireless networking operates by sending information over radio waves, it can be more vulnerable to intruders than a traditional wired network. Like signals from your cellular or cordless phones, signals from your wireless network can also be intercepted. Since you cannot physically prevent someone from connecting to your wireless network, you need to take some additional steps to keep your network secure.

1. Change the default wireless network name or SSID

Wireless devices have a default wireless network name or Service Set Identifier (SSID) set by the factory. This is the name of your wireless network, and can be up to 32 characters in length. Linksys wireless products use *linksys* as the default wireless network name. You should change the wireless network name to something unique to distinguish your wireless network from other wireless networks that may exist around you, but do not use personal information (such as your Social Security number) because this information may be available for anyone to see when browsing for wireless networks.

2. Change the default password

For wireless products such as access points and routers, you will be asked for a password when you want to change their settings. These devices have a default password set by the factory. The Linksys default password is *admin*. Hackers know these defaults and may try to use them to access your wireless device and change your network settings. To thwart any unauthorized changes, customize the device's password so it will be hard to guess.

3. Enable MAC address filtering

Linksys routers give you the ability to enable Media Access Control (MAC) address filtering. The MAC address is a unique series of numbers and letters assigned to every networking device. With MAC address filtering enabled, wireless network access is provided solely for wireless devices with specific MAC addresses. For example, you can specify the MAC address of each computer in your home so that only those computers can access your wireless network.

4. Enable encryption

Encryption protects data transmitted over a wireless network. Wi-Fi Protected Access (WPA/WPA2) and Wired Equivalent Privacy (WEP) offer different levels of security for wireless communication.

A network encrypted with WPA/WPA2 is more secure than a network encrypted with WEP, because WPA/WPA2 uses dynamic key encryption. To protect the information as it passes over the airwaves, you should enable the highest level of encryption supported by your network equipment.

WEP is an older encryption standard and may be the only option available on some older devices that do not support WPA.

General Network Security Guidelines

Wireless network security is useless if the underlying network is not secure.

- Password protect all computers on the network and individually password protect sensitive files.
- Change passwords on a regular basis.
- Install anti-virus software and personal firewall software.
- Disable file sharing (peer-to-peer). Some applications may open file sharing without your consent and/or knowledge.

Additional Security Tips

- Keep wireless routers, access points, or gateways away from exterior walls and windows.
- Turn wireless routers, access points, or gateways off when they are not being used (at night, during vacations).
- Use strong passphrases that are at least eight characters in length. Combine letters and numbers to avoid using standard words that can be found in the dictionary.

WEB: For more information on wireless security, visit [www.linksysbycisco.com/security](http://www.linksysbycisco.com/security)
Chapter 3: Advanced Configuration

After setting up the Bridge with the Setup Wizard (located on the CD-ROM), the Bridge will be ready for use. However, if you want to change its advanced settings, use the Bridge's web-based utility. This chapter describes each web page of the utility and each page's key functions. You can access the utility via a web browser on a computer networked with the Bridge.

The web-based utility has these main tabs: Wireless, Network Setup, Administration, and Status. Additional tabs will be available after you click one of the main tabs.

How to Access the Web-Based Utility

Use a web browser to access the web-based utility.

If the Bridge is connected to a network with a DHCP server (usually the network router), then the Bridge will obtain its IP address from the DHCP server. If there is no DHCP server, then the Bridge will use its default static IP address, 169.254.1.250. (If you set a permanent static IP address on the Bridge through the web-based utility, then enter the static IP address instead.)

NOTE: If you do not know the Bridge's IP address, then find its IP address in the DHCP clients table of your router. (Refer to the documentation for your router.)

If you cannot locate the Bridge's IP address, you can reset the Bridge; press the Reset button on the Bridge for approximately five seconds, using a straightened paper clip. This will reset the Bridge back to the factory default settings. The Bridge will request an IP address from the DHCP server (usually the network router). If no DHCP server is found, then the Bridge will use its default static IP address, 169.254.1.250, until it detects a DHCP server and is assigned a dynamic IP address.

If the Bridge is not associated with a router and is using the factory default settings, connect a computer to the Bridge using an Ethernet connection to access the web-based utility. You will need to configure the Ethernet connection on the computer with a static IP address and subnet mask.

The IP address of your Ethernet adapter should be set to a specific IP address.

1. In the IP address field, enter 169.254.x.y (x should be replaced by a number between 1 and 254, and y should be replaced by a number between 0 and 255).

2. In the Subnet mask field, enter 255.255.0.0.

NOTE: The steps to assign a static IP address to the Ethernet adapter on your computer vary by operating system. For instructions, please refer to the help documentation of your specific operating system.

A password request screen appears. (Non-Windows XP users will see a similar screen.) Leave the User name field blank. Enter the password you created during the Setup Wizard. If you did not create a new password, use the default password admin. (You can set a new password from the Administration > Management screen.) Click OK to continue.

The first screen that appears is the Basic Setup screen. Use this screen to change the web-based utility's language, or to change the Bridge's wired, Ethernet network settings.
Language

Language This is used to set the language displayed by the web-based utility. Select the desired language from the drop-down menu.

Network Setup

This section determines if the Bridge’s IP address is obtained automatically from a DHCP server, such as your network router (Automatic Configuration - DHCP), or set manually (Static IP).

Bridge IP If your network has a DHCP server, such as your network router, assigning IP addresses to your network devices, then keep the default, Automatic Configuration - DHCP. The Bridge will request an IP address from the DHCP server (usually the network router). If no DHCP server is found, then the Bridge will use its default static IP address, 169.254.1.250, until it detects a DHCP server and is assigned a dynamic IP address.

If you want to set a permanent static IP address for the Bridge, then select Static IP.

If you select Static IP, then complete the following fields:

- **Static IP Address** Enter a unique IP address that will be used to access the web-based utility.
- **Subnet Mask** Enter the subnet mask of your wired network.
- **Default Gateway** Enter the IP address of the default gateway for your network (in most cases, this is your router).

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

Wireless > Basic Wireless Settings

Use the Basic Wireless Settings screen to configure the Bridge’s basic wireless and security settings.

There are two ways to configure the Bridge’s settings, manual and Wi-Fi Protected Setup. Wi-Fi Protected Setup is a feature that makes it easy to set up your wireless network. If your network router supports Wi-Fi Protected Setup and uses WPA or WPA2 security, then you can use Wi-Fi Protected Setup to automatically connect the Bridge.

Configuration View To manually configure your wireless network, select Manual. Refer to Basic Wireless Settings, page 4. To use Wi-Fi Protected Setup, select Wi-Fi Protected Setup. Refer to Wi-Fi Protected Setup, page 5.

Basic Wireless Settings

- **Network Name (SSID)** The SSID is the network name shared among all points in a wireless network. The SSID must be identical for all devices in the wireless network. It is case-sensitive and must not exceed 32 characters (use any characters on the keyboard). Make sure this setting matches the setting on your wireless router or access point. For added security, you should change the default SSID (linksys) to a unique name.

Wireless Security

The Bridge supports the following wireless security options: WPA Personal, WPA2 Personal, and WEP. WPA (Wi-Fi Protected Access) and WPA2 are stronger security methods than WEP (Wired Equivalent Privacy). For more information about wireless security, refer to Chapter 2: Wireless Security Checklist, page 2.

Security Mode

Select the security method for your wireless network. If you do not want to use wireless security, keep the default, Disabled.

NOTE: Remember that each device in your wireless network MUST use the same security method and passphrase/key, or else the wireless devices will not be able to communicate with each other.
WPA Personal

WPA is a security standard stronger than WEP encryption.

Encryption  WPA supports the TKIP encryption method, with dynamic encryption keys.

Passphrase  Enter the key shared by the Bridge and your wireless router or access point. It must have 8-63 characters.

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

WPA2 Personal

WPA2 is a more advanced, more secure version of WPA.

Encryption  WPA2 supports two encryption methods, TKIP and AES, with dynamic encryption keys. Select the encryption method, AES or TKIP or AES. The default selection is AES.

Passphrase  Enter the key shared by the Bridge and wireless router or access point. It must have 8-63 characters.

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

WEP

WEP is a basic encryption method, which is not as secure as WPA or WPA2.

Encryption  Select a level of WEP encryption, 40/64 bits (10 hex digits) or 104/128 bits (26 hex digits). The default is 40/64 bits (10 hex digits).

Key 1  Enter the WEP key of your network.

Tx Key  Key 1 is the transmit key used by the Bridge.

Authentication  The default is Auto, which allows either Open system or Shared key authentication to be used. Select Open to use open system authentication; the sender and recipient do not use a WEP key for authentication. Select Shared to use shared key authentication; the sender and recipient use a WEP key for authentication.

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

Wi-Fi Protected Setup

There are two methods available. Use the method that applies to the router you are using.
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Advanced Configuration

Method #1
Use this method if your router has a Wi-Fi Protected Setup button.
1. Click or press the **Wi-Fi Protected Setup** button on the router.
2. Within two minutes, click the **Wi-Fi Protected Setup** button on the Bridge's **Wi-Fi Protected Setup** screen.
3. After the Bridge has been configured, click **Close**.
The **Wi-Fi Protected Setup** screen displays the Link Status, Network Name (SSID), and Security method.

Method #2
Use this method if your router requests the PIN number of the Bridge.
1. On the **router's** **Wi-Fi Protected Setup** screen, enter the PIN number on the **Bridge's** **Wi-Fi Protected Setup** screen. Then click **Register** or the appropriate button. (It is also listed on the label on the bottom of the Bridge.)
2. On the **Bridge's** **Wi-Fi Protected Setup** screen, click **OK**.
3. After the Bridge has been configured, click **Close**.
The **Wi-Fi Protected Setup** screen displays the Link Status, Network Name (SSID), and Security method.

**Wireless > Wireless Network Site Survey**

Click the **Wireless Network Site Survey** tab to begin a site survey. The **Wireless Network Site Survey** screen lists the wireless networks detected by the Bridge.

**Wireless Network Site Survey**

**Number of Wireless Networks** The number of wireless networks detected by the Bridge is displayed.

**Select** To connect to a wireless network, click **Select**. Then click **Connect**.

**Wireless Network Name** The network name or SSID of the wireless network is displayed.

**GHz** The radio band of the wireless network is displayed.

**Signal** The percentage of signal strength is displayed. 100% is the strongest signal strength possible; 0% is the weakest possible.

**Security** If the network supports Wi-Fi Protected Setup, the Wi-Fi Protected Setup icon 🔄 is displayed. The security method used by the wireless network is displayed.

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

After you have selected a network, click **Connect**. A new screen appears. Follow the instructions for the security method of your network.

**WPA**

**Network Name (SSID)** The name of the network you selected is automatically displayed.

**Security Mode** WPA Personal is automatically displayed.
Encryption  WPA supports the TKIP encryption method, with dynamic encryption keys.

Passphrase  Enter the key shared by the Bridge and wireless router or access point. It must have 8-63 characters.

Click Refresh to update the on-screen information.

After you have entered the security settings, click Connect.

WPA2

Network Name (SSID)  The name of the network you selected is automatically displayed.

Security Mode  WPA2 Personal is automatically displayed.

Encryption  WPA2 supports two encryption methods, TKIP and AES, with dynamic encryption keys. Select the encryption method, AES or TKIP or AES.

Passphrase  Enter the key shared by the Bridge and wireless router or access point. It must have 8-63 characters.

Click Refresh to update the on-screen information.

After you have entered the security settings, click Connect.

WEP

Network Name (SSID)  The name of the network you selected is automatically displayed.

Security Mode  WEP is automatically displayed.

Encryption  Select a level of WEP encryption, 40/64 bits (10 hex digits) or 104/128 bits (26 hex digits).

Key 1  Enter the WEP key of your network.

Tx Key  Key 1 is the transmit key used by the Bridge.

Authentication  The default is Auto, which allows either Open system or Shared key authentication to be used. Select Open to use open system authentication; the sender and recipient do not use a WEP key for authentication. Select Shared to use shared key authentication; the sender and recipient use a WEP key for authentication.

Click Refresh to update the on-screen information.

After you have entered the security settings, click Connect.

Wireless > WMM®

Configure the Wireless MultiMedia (WMM) settings. WMM prioritizes packets depending on their respective access mode (traffic type): Background, Best Effort, Video, or Voice. These settings should only be adjusted by an expert administrator as incorrect settings can reduce wireless performance.

WMM

Access Mode

You can assign different settings to the four access modes available. Select the mode you want to configure: Background, Best Effort, Video, or Voice. Follow the instructions for the mode you select.

NOTE: The settings on the WMM screen are designed for advanced users only.
Background

Use Aggregation This option defines whether or not the Media Access Control (MAC) layer will set up an Add Block Acknowledgement (ADDBA) session. The default is No. Select Yes to enable this option.

Accept Aggregation This option defines whether or not the MAC layer will accept an ADDBA request. The default is Yes. Select No to disable this option.

Max. Number of Packets in Aggregation This option defines the maximum number of packets (sub-frames) in the aggregate. The range is 0 to 7. The default is 7.

Max. Aggregation Size This option defines the maximum size of the aggregate (in bytes). The range is 0 to 16000. The default is 12000.

Timeout Internal This option defines the timeout period in which the aggregate should be closed with a "closing condition" before it is closed by the timer. The range is 0 to 100 ms. The default is 3.

Min. Size of Packet in Aggregation This option defines the minimum size (in bytes) of packets to be accumulated in the aggregate. The range is 0 to 1500. The default is 10.

ADDBA Timeout This option defines the duration after which the ADDBA setup is terminated, if there are no frame exchanges within this duration by the Block Acknowledgement (ACK) agreement. The range is 0 to 65535 ms. The default is 0, which disables the timeout.

Aggregation Window Size This option defines the maximum number of packets transmitted without gettingACKs. The range is 0 to 64. The default is 64.

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

Best Effort

Use Aggregation This option defines whether or not the Media Access Control (MAC) layer will set up an Add Block Acknowledgement (ADDBA) session. The default is Yes. Select No to disable this option.

Accept Aggregation This option defines whether or not the MAC layer will accept an ADDBA request. The default is Yes. Select No to disable this option.

Max. Number of Packets in Aggregation This option defines the maximum number of packets (sub-frames) in the aggregate. The range is 0 to 10. The default is 10.

Max. Aggregation Size This option defines the maximum size of the aggregate (in bytes). The range is 0 to 20000. The default is 16000.

Timeout Internal This option defines the timeout period in which the aggregate should be closed with a "closing condition" before it is closed by the timer. The range is 0 to 100 ms. The default is 3.

Min. Size of Packet in Aggregation This option defines the minimum size (in bytes) of packets to be accumulated in the aggregate. The range is 0 to 1500. The default is 10.

ADDBA Timeout This option defines the duration after which the ADDBA setup is terminated, if there are no frame exchanges within this duration by the Block Acknowledgement (ACK) agreement. The range is 0 to 65535 ms. The default is 0, which disables the timeout.

Aggregation Window Size This option defines the maximum number of packets transmitted without gettingACKs. The range is 0 to 64. The default is 64.

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

Video

Use Aggregation This option defines whether or not the Media Access Control (MAC) layer will set up an Add Block Acknowledgement (ADDBA) session. The default is Yes. Select No to disable this option.

Accept Aggregation This option defines whether or not the MAC layer will accept an ADDBA request. The default is Yes. Select No to disable this option.

Max. Number of Packets in Aggregation This option defines the maximum number of packets (sub-frames) in the aggregate. The range is 0 to 7. The default is 7.

Max. Aggregation Size This option defines the maximum size of the aggregate (in bytes). The range is 0 to 16000. The default is 12000.

Timeout Internal This option defines the timeout period in which the aggregate should be closed with a "closing condition" before it is closed by the timer. The range is 0 to 100 ms. The default is 3.

Min. Size of Packet in Aggregation This option defines the minimum size (in bytes) of packets to be accumulated in the aggregate. The range is 0 to 1500. The default is 10.

ADDBA Timeout This option defines the duration after which the ADDBA setup is terminated, if there are no frame exchanges within this duration by the Block Acknowledgement (ACK) agreement. The range is 0 to 65535 ms. The default is 0, which disables the timeout.

Aggregation Window Size This option defines the maximum number of packets transmitted without gettingACKs. The range is 0 to 64. The default is 64.

Click Save Settings to apply your changes, or click Cancel Changes to cancel your changes.
Voice

**Use Aggregation**  This option defines whether or not the Media Access Control (MAC) layer will set up an Add Block Acknowledgement (ADDBA) session. The default is Yes. Select No to disable this option.

**Accept Aggregation**  This option defines whether or not the MAC layer will accept an ADDBA request. The default is Yes. Select No to disable this option.

**Max. Number of Packets in Aggregation**  This option defines the maximum number of packets (sub-frames) in the aggregate. The range is 0 to 2. The default is 2.

**Max. Aggregation Size**  This option defines the maximum size of the aggregate (in bytes). The range is 0 to 16000. The default is 10000.

**Timeout Internal**  This option defines the timeout period in which the aggregate should be closed with a “closing condition” before it is closed by the timer. The range is 0 to 100 ms. The default is 10.

**Min. Size of Packet in Aggregation**  This option defines the minimum size (in bytes) of packets to be accumulated in the aggregate. The range is 0 to 1500. The default is 10.

**ADDBA Timeout**  This option defines the duration after which the ADDBA setup is terminated, if there are no frame exchanges within this duration by the Block Acknowledgement (ACK) agreement. The range is 0 to 65535 ms. The default is 0, which disables the timeout.

**Aggregation Window Size**  This option defines the maximum number of packets transmitted without getting ACKs. The range is 0 to 64. The default is 64.

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

Wireless > Advanced Wireless Settings

Configure the Bridge’s advanced wireless functions. These settings should only be adjusted by an expert administrator as incorrect settings can reduce wireless performance.

**NOTE:** The settings on the Advanced Wireless Settings screen are designed for advanced users only.

**Advanced Wireless**

**Use LDPC**  Low-Density Parity-Check Code (LDPC) enables or disables error correction to reduce the probability of data loss in noisy channels. The Rate Adaptation algorithm automatically disabled LDPC coding when working at high PHY rates (higher than 162). To use the LDPC advanced error correction scheme, keep the default, Yes. Otherwise, select No.

**ERP Protection Type**  This option configures protection of OFDM packets despite the presence of 802.11b stations within the wireless network. By sending RTS/CTS or CTS2Self packets in 802.11b rates, the Bridge informs the wireless network that OFDM packets are going to be transferred and protects the packets in the wireless network. The RTS/CTS and CTS2Self packets create overhead, which may result in lower throughputs.

The RTS/CTS option provides better coverage but lower throughputs when compared to CTS2Self, because the RTS/CTS option includes acknowledgement from the receiving device. To use the RTS/CTS option, keep the default, RTS/CTS. The None option may cause collisions between OFDM and CCK packets. To use the None option, select None. To use the CTS2Self option, select CTS2Self.

**11n Protection Type**  This option configures protection from non-High Throughput (HT) devices within the wireless network. In case the wireless router (or access point) detects an association of a non-HT legacy device, it will signal all the HT devices to use RTS/CTS or CTS2Self mechanisms before each data transmission. This feature also supports all 802.11n standard protections, including MIMO.

The RTS/CTS option provides better coverage but lower throughputs when compared to CTS2Self, because the RTS/CTS option includes acknowledgement from the receiving device. To use the RTS/CTS option, keep the default, RTS/CTS. The None option may cause collisions between HT and legacy packets. To use the None option, select None. To use the CTS2Self option, select CTS2Self.

**Percentage of maximal transmit power**  This option sets the percentage of maximal transmit power relative to the regulatory domain restrictions. For example, if the regulatory domain restriction allows transmissions of up to 20 dB, then setting the percentage at 50% allows maximal transmit power of 10 dB. Select the percentage you want to use: 12%, 25%, 50%, or 100%. The default is 100%.

**QoS Classification Type**  This option sets 802.1D or 802.1Q mapping from the IP DSCP/TOS field to WMM priorities (Background, Best Effects, Video, Voice). Keep
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Advanced Configuration

the default, **802.1D**, or select **802.1Q**, which is used by some IPTV streams.

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

Administration > Management

Use this screen to manage specific Bridge functions: access to the web-based utility, backup of the configuration file, and reboot.

![Administration > Management](image)

**Management**

**Bridge Access**

Use a password to protect access to the web-based utility.

**Bridge Password** Enter a new Password for the Bridge.

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

**Idle Timeout** The login times out after a period of inactivity that you specify. The range is 60 to 3600 seconds. The default is 600.

**Web Access**

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

**Backup and Restore**

**Backup** To back up the Bridge’s configuration file, click **Backup Configurations**. Then follow the on-screen instructions.

**Restore** Click **Browse** and select the configuration file. Then click **Restore Configurations**.

![Administration > Factory Defaults](image)

**Administration > Factory Defaults**

Use this screen to restore the Bridge’s configuration to its factory default settings.

**Factory Defaults**

**Restore All Settings** To reset the Bridge’s settings to the factory defaults, click **Restore All Settings**. Any settings you have saved will be lost when the default settings are restored.

![Administration > Upgrade Firmware](image)

**Administration > Upgrade Firmware**

Use this screen to upgrade the Bridge’s firmware. Do not upgrade the firmware unless you are experiencing problems with the Bridge or the new firmware has a feature you want to use.

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

**Upgrade Firmware**

**Please select a file to upgrade the firmware** Click **Browse** and select the firmware upgrade file. Then click **Start to Upgrade** and follow the on-screen instructions.
**Status > Bridge**

The Bridge’s current status information is displayed.

**Bridge Information**

**Firmware Version** The Bridge’s current firmware is displayed.

**Local Network**

**Local MAC Address** The Bridge’s MAC Address, as seen on your local, Ethernet network, is displayed.

**IP Address** The Bridge’s IP Address, as seen on your local, Ethernet network, is displayed.

**Subnet Mask** The Subnet Mask configured for your local network is displayed.

**Status > Wireless**

Information about your wireless network is displayed.

**Wireless**

**Link Status** The status of the connection to your wireless network is displayed.

**MAC Address** The Bridge’s MAC Address, as seen on your local, wireless network, is displayed.

**Network Name (SSID)** The wireless network name or SSID is displayed.

**BSSID** The wireless MAC address of the connected wireless router (or access point) is displayed.

**Radio Band** The radio band of your wireless network is displayed.

**Channel Width** The channel width, in MHz, used by your wireless network is displayed.

**Wide Channel** Depending on the channel settings of your network router, the Wide Channel is displayed. If you selected Wide - 40MHz Channel for the router’s Radio Band or Channel Width setting, then this will be your primary Wireless-N channel.

**Standard Channel** The Standard Channel setting is displayed. If you selected Wide – 40MHz Channel for the router’s Radio Band or Channel Width setting, then the Standard Channel will be a secondary channel for Wireless-N.

**Bit Rate** The data transmission rate is displayed.

**Signal** The percentage of signal strength is displayed. 100% is the strongest signal strength possible; 0% is the weakest possible.

**Security** The security method of your wireless network is displayed.

**Status > About**

Information about the web-based utility is displayed.

**Web Server**

**Powered By** The web server of the web-based utility is displayed.
Appendix A: Troubleshooting

Your computer or other wired, Ethernet device cannot communicate with the wireless router.

1. Access the web-based utility of the Bridge (refer to Chapter 3: Advanced Configuration, page 3).
2. On the Basic Wireless Settings screen, make sure the Network Name (SSID) matches the name of your wireless network.
3. Make sure the security settings (WPA, WPA2, or WEP) match the security settings of your wireless network.

The Bridge's IP address needs to be changed.

If the Bridge is connected to a network with a DHCP server (usually the network router), then the Bridge will obtain its IP address from the DHCP server. If there is no DHCP server, then the Bridge will use its default, static IP address, 169.254.1.250.

If you want the Bridge to always use a static IP address, then follow these instructions:

1. Access the web-based utility of the Bridge (refer to Chapter 3: Advanced Configuration, page 3).
2. Click the Network Setup tab.
3. From the Network Connection Type drop-down menu, select Static IP.
4. Complete the Static IP Address, Subnet Mask, and Default Gateway fields.
5. Click Save Settings.

The Bridge-enabled computer or other wired, Ethernet device will not communicate with another wireless-enabled device (such as a computer or printer).

Check the following:

- Make sure the wireless-enabled device is on the same wireless network as the computer or other wired, Ethernet device connected to the Bridge.
- Make sure that the same Network Name (SSID) is used for all devices on the wireless network.
- Make sure all devices are on the same IP network, using compatible IP addresses.

The web-based utility does not accept your password.

Check the following:

- The password is case-sensitive. Make sure that you are using the correct case(s) when entering the password.
- If you forget your password, you can reset the Bridge to its factory defaults.

Press and hold the Bridge's Reset button for approximately five seconds; the password will be reset to its factory default, admin. All other Bridge settings will be reset to the factory defaults as well. (To access the web-based utility, enter admin in the Password field.)

After you make changes through the web-based utility, the new settings are not displayed on-screen.

On your web browser, click Refresh. If the new settings are not displayed, then follow these instructions:

1. Unplug the power adapter from the Bridge.
2. Wait five seconds, and then plug the power adapter back into the Bridge.
3. On your web browser, click Refresh.

WEB: If your questions are not addressed here, refer to the Linksys website, www.linksysbycisco.com
## Appendix B: Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>WET610N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standards</td>
<td>IEEE 802.3u, 802.11g, 802.11b, 802.11a, draft 802.11n</td>
</tr>
<tr>
<td>LEDs</td>
<td>Power, Ethernet, Wi-Fi Protected Setup™, Wireless</td>
</tr>
<tr>
<td>Ports</td>
<td>Ethernet, Power</td>
</tr>
<tr>
<td>Buttons</td>
<td>Reset, Wi-Fi Protected Setup™</td>
</tr>
<tr>
<td>Cabling Type</td>
<td>CAT5e</td>
</tr>
<tr>
<td># of Antennas</td>
<td>3 (internal)</td>
</tr>
<tr>
<td>Antenna Connector Type</td>
<td>N/A</td>
</tr>
<tr>
<td>Detachable (Yes/No)</td>
<td>No</td>
</tr>
<tr>
<td>Modulations</td>
<td>802.11a: OFDM/BPSK, QPSK, 16-QAM, 64-QAM</td>
</tr>
<tr>
<td></td>
<td>802.11b: CCK/QPSK, BPSK</td>
</tr>
<tr>
<td></td>
<td>802.11g: OFDM/BPSK, QPSK, 16-QAM, 64-QAM</td>
</tr>
<tr>
<td></td>
<td>802.11n: OFDM/BPSK, QPSK, 16-QAM, 64-QAM</td>
</tr>
<tr>
<td>RF Pwr (EIRP) in dBm</td>
<td>802.11a: 15 dBm (typical) @ 54Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11b: 18 dBm (typical) @ 11 Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11g: 16 dBm (typical) @ 54 Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11n: 12 dBm (typical) @ 130 Mbps (HT20), 270 Mbps (HT40)</td>
</tr>
<tr>
<td>Receive Sensitivity</td>
<td>802.11a: -72 dBm (typical) @ 54 Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11b: -85 dBm (typical) @ 11 Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11g: -73 dBm (typical) @ 54 Mbps</td>
</tr>
<tr>
<td></td>
<td>802.11n: -70 dBm (typical) @ MCS15/2.4 GHz, -69 dBm (typical) @ MCS15/5.0 GHz</td>
</tr>
<tr>
<td>Antenna Gain in dBi</td>
<td>1</td>
</tr>
<tr>
<td>Wireless Security</td>
<td>WEP, Wi-Fi Protected Access™ 2 (WPA2)</td>
</tr>
<tr>
<td>Security Key Bits</td>
<td>Up to 128-Bit Encryption</td>
</tr>
<tr>
<td>OS Requirements</td>
<td>Windows XP, Vista, or Vista 64-Bit Edition with Latest Updates (for Setup Wizard only)</td>
</tr>
</tbody>
</table>

### Environmental

| Dimensions | 5.71” x 4.17” x 2.05” (145 x 106 x 52 mm) |
| Power       | 12V, 1A |
| Operating Temp. | 32 to 104°F (0 to 40°C) |
| Storage Temp. | -4 to 140°F (-20 to 60°C) |
| Operating Humidity | 10 to 85% Noncondensing |
| Storage Humidity | 5 to 90% Noncondensing |

Specifications are subject to change without notice.
Appendix C: Warranty Information

Limited Warranty

Linksys warrants this Linksys hardware 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 or demonstration purposes 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 DISCLAIMED. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary by jurisdiction.

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT WILL LINKSYS BE LIABLE FOR ANY LOST DATA, REVENUE OR PROFIT, 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 OR SOFTWARE, 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. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Obtaining Warranty Service

If you have a question about your product or experience a problem with it, please go to 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 for instructions on how to obtain warranty service. The telephone number for Linksys Technical Support in your area can be found in the product User Guide and at 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 to Linksys 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 to Linksys. 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.

This limited warranty is governed by the laws of the jurisdiction in which the Product was purchased by you.

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

For operation within the 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environments.

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

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

The availability of some specific channels and/or operational frequency bands is country dependent and is firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

Safety Notices
- Caution: To reduce the risk of fire, use only No.26 AWG or larger telecommunication line cord.
- Do not use this product near water, for example, in a wet basement or near a swimming pool.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- Use only with UL-listed Information Technology Equipment (ITE).

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.

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.

Industry Canada Radiation Exposure Statement:
This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with IC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

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 1.58 dBi and 1.45 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.

3. The maximum antenna gain (please see the table below) permitted (for devices in the bands 5250-5350 MHz and 5470-5725 MHz) to comply with the E.I.R.P. limit:

<table>
<thead>
<tr>
<th>No.</th>
<th>Antenna Type</th>
<th>For 2.4 GHz Gain (dBi)</th>
<th>For 5 GHz Gain (dBi)</th>
<th>Antenna Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PIFA</td>
<td>1.58</td>
<td>1.45</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>Printed</td>
<td>1.58</td>
<td>1.45</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>PIFA</td>
<td>1.58</td>
<td>1.45</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 d’exposition aux radiofréquences établies par Industrie Canada pour un environnement non contrôlé. L’opérateur doit suivre les instructions d’utilisation décrites dans le présent manuel afin de maintenir la conformité de l’installation.

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 1,58 dBi à 2,4 GHz et de 1,45 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.

3. Le tableau ci-dessous indique le gain d’antenne maximal pour les bandes 5 250-5 350 MHz et 5 470-5 725 MHz afin d’assurer la conformité aux limites PIRE :

<table>
<thead>
<tr>
<th>N°</th>
<th>Type d’antenne</th>
<th>Pour gain de 2,4 GHz (dBi)</th>
<th>Pour gain de 5 GHz (dBi)</th>
<th>Connecteur d’antenne</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PIFA</td>
<td>1,58</td>
<td>1,45</td>
<td>S.O.</td>
</tr>
<tr>
<td>2</td>
<td>À circuits imprimés</td>
<td>1,58</td>
<td>1,45</td>
<td>S.O.</td>
</tr>
<tr>
<td>3</td>
<td>PIFA</td>
<td>1,58</td>
<td>1,45</td>
<td>S.O.</td>
</tr>
</tbody>
</table>

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.

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:

![WEEE Symbol]

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.

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.

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 pomáhají 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


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

Appendix D

Regulatory Information

Eesti (Estonian) - Keskkonnaalane informatsioon
Euroopa Liidus asuvatele klientidele


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 στοιχεία πλαστικών απορριμάτων. Το σύμβολο υποδεικνύει ότι αυτό το προϊόν θα πρέπει να απορρίπτεται ξεχωριστά από τα συνήθη οικιακά απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος προϊόντος μέσω των απορρίμματα.

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 l’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 juridiskajā

Appendix D
Regulatory Information

Lietuvių (Lithuanian) - Aplinkosaugos informacija, skirta Europos Sąjungos vartotojams

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

Malti (Maltese) - Informazzjoni Ambjentali ghal Klijenti fl-Unjoni Ewropea


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 [symboļa] megjelenik, tilos a többi szelektálatlan lakossági hulladékkal együtt kidobni. A címke azt jelöli, hogy az adott termék kiadásakor a szokványos háztartási hulladékkészleti rendszerektől elköltött eljárást kell alkalmazni. Az Ön felelőssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtőredszereken keresztül számlálja 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 apparaat die is voorzien van dit symbool [symboļa] 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 inzamelingenkanalen. 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.

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

Dyrektwa Europejska 2002/96/EC wymaga, aby sprzęt oznaczony symbolem [symboļa] znajdującym się na produkcie i/lub jego opakowaniu nie był wyrzucaony 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 wyrzuconych 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.
Appendix D

Regulatory Information

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Wireless-N Ethernet Bridge with Dual-Band

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

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Română (Romanian) - Informaţii de mediu pentru clienţii din Uniunea Europeană


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

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 špeciálne špecifikovaných zbierzí určených vládou alebo miestnymi orgánmi. Správna likvidácia a recyklácia pomôže zabrániť prípadným negatívnym dopadom na životné prostredie a zdravie lúdii. Ak máte záujem o podrobnejšie informácie o likvidácii starého zariadenia, obráťte sa, prosím, na miestne orgány, organizácie zaobľúinie 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 zavreče ločeno od preostalih gospodinjskih odpadkov. Vaša odgovornost je, da to in preostalo električno in elektronsko opremo oddate na posebna zbiralnišča, ki jih določijo državne ustanove ali lokalne oblasti. S pravilnim odlaganjem in recikliranjem boste preprčili morebitne škodljive vplive na okolje in zdravje ljudi. Če želite izvedeti več o odlaganju stare opreme, se obrnite na lokalne oblasti, odlagališča opadkov ali trgovino, kjer ste izdelek kupili.

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


Svenska (Swedish) - Miljöinformation för kunder i Europeiska unionen


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Appendix E

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Wireless-N Ethernet Bridge with Dual-Band

Appendix E

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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.

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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.

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Appendix E

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