

## Switch &gt; QoS



Switch &gt; QoS

The Quality of Service (QoS) configuration in this switch has two parts: QoS Mode and Rate Limiting. QoS Mode is used to classify and prioritize packets. Rate Limiting is used to limit the amount of bandwidth used by data passing in or out of the switch port.

**QoS Port Setting** Select the QoS settings for ports 1-5 and the wireless port, then click **Apply Port Setting**.

- **QoS Mode** Select the desired QoS mode: **Force Priority** (default), **Trust 802.1p**, **Trust IP TOS**, or **Trust IP DSCP**.
- **Default Priority (on Ingress)** Select **Critical** (default), **Low**, **Medium**, or **High**. This is only used if the *QoS Mode* field is set to **Force Priority**.
- **Ingress Rate** Select the maximum rate allowed for the port. For ports 1-5, the range is **128 kbps** to **64 Mbps** and for the wireless port the range is **128 kbps** to **16 Mbps**. The default is **No Limit**.
- **Egress Rate** Select the maximum rate allowed for the port. For ports 1-5, the range is **128 kbps** to **64 Mbps** and for the wireless port the range is **128 kbps** to **16 Mbps**. The default is **No Limit**.

## Switch &gt; Spanning Tree

This screen allows you to configure the Spanning Tree Protocol (STP) settings for the switch. STP can be used to detect and disable network loops, and to provide backup links between switches, bridges or routers. This allows the switch to interact with other bridging devices (that is, an STP-compliant switch, bridge or router) in your network to ensure that only one route exists between any two stations on the network, and provide backup links which automatically take over when a primary link goes down. STP is enabled by default.



Switch &gt; Spanning Tree

**STP** To enable STP, keep the default setting, **Enabled**. To disable STP, select **Disabled**.

**Max Age** The maximum time in seconds that a device can wait without receiving a configuration message before attempting to reconfigure. The range is from **0.6** to **4** seconds. The default value is **4** seconds.

**Hello Time** The interval in seconds at which the root device transmits a configuration message. The range is from **0.1** to **4** seconds. The default value is **1** second.

**Forward Delay** The maximum time in seconds that this device will wait before changing states, such as from discarding to learning to forwarding. The range is **1** to **5** seconds. The default is **3** seconds.

**STP Table** Select the settings for the Spanning Tree table, then click **Apply Port Setting**.

- **Priority** The priority of this port. The smaller the priority value, the higher the priority. If two ports form a loop, the port with higher priority will change to block state, thus breaking the loop.
- **Cost** The path cost to forward packets from this port. It is usually inversely proportional to the port's speed.
- **State** The Spanning Tree protocol state: **Blocking**, **Learning**, or **Forwarding**.

To apply the settings, click **Apply Port Setting**. To cancel, click **Cancel**. To see the latest information, click **Refresh**.

## Switch > MAC Table

Use this screen to configure the MAC address table for the switch. The MAC table is used to switch frames to the correct ports. Before the MAC table is populated, a frame is broadcast to all ports. Learning mode is enabled, then the MAC table is populated automatically.



Switch > MAC Table

**Global ATU Setting** This is a global MAC address table setting. Select the desired settings, then click **Apply Global Setting**.

- **Address Learning** This indicates if the switch should automatically learn the MAC address of packets. Select **Enable Learning** (default) or **Disable Learning**.
- **Age timer** Detects and purges obsolete table entries, such as when a connected device moves from one port to another, by checking the idle timeout value of the entries. The range is from **1** to **300** seconds. You can also disable this feature. The default is **300 seconds**.

**Static MAC Entry** Besides dynamically learned entries, the MAC table can also contain static, user-defined entries that you enter here. The *MAC Address* field shows the destination MAC address. The check boxes specify the output ports (1-5 and Wireless) where a packet is routed if its destination MAC address matches the *MAC Address* field. You can specify more than one output port. To add an entry, enter the destination MAC address, select the output port(s), and click **Add New Entry**. The new entry will then appear in the *Status Address Table* list. Note that static MAC entries are not affected by the Age timer and can only be deleted manually.

**Static Address Table** This lists the static MAC address entries and their port vector settings. To delete an entry, select its check box and click **Delete Selected Entry**.

**Address Table Dump** A complete dump of the MAC address table, including both learned and static entries. If a topology change occurs, click **Refresh** to remove the learned entries and force the entries to be relearned. At most 64 entries are displayed per page. If there are more than 64 entries, click **Get Next Page** to see more entries.

## Administration

The Administration tab is used for various administrative tasks, such as to change the login password, configure SNMP, save and restore system configuration, restore the factory default settings, and upgrade the firmware.

### Administration > Password

This screen allows you to change the username and/or password for the Bridge. It is recommended that you change the password from its default setting, **admin**.



Administration > Password

**User Name** The current user name is displayed (default **admin**). To change the user name, enter the new user name.

**Administrative Password** Enter a new password from 4 to 63 characters in length.

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

Click **Apply** to apply your changes, or click **Cancel** to cancel your changes.

### Administration > SNMP

This screen is used to configure Simple Network Management Protocol (SNMP), a popular network monitoring and management protocol.



Administration > SNMP

**SNMP** To disable SNMP, leave **Disabled** selected (default). To enable SNMP, select **Enabled**, then select the type of SNMP to use, either **SNMP V1 & V2** or **SNMP V3**.

**Device Name** Enter the name of the Wireless Bridge.

**Contact** Enter the contact information for the Bridge.

**Location** Enter the location of the Wireless Bridge.

**SNMP V3 Username** Enter the username for the SNMP V3 administrator who will access and manage the MIB objects.

**Authentication Password** Enter the authentication password for the SNMP V3 administrator. The password must be at least 8 characters in length.

**Privacy Password** Enter the privacy password for the SNMP V3 administrator. The password must be at least 8 characters in length.

**Get Community** Enter the name of your Get community.

**Set Community** Enter the name of your Set community.

**SNMP Trap-Community** Enter the name of your Trap community.

**SNMP-Trusted Host** Enter the IP address of your Trusted host. To have the Access Point respond to SNMP messages from every host in your LAN, enter **0.0.0.0**.

**SNMP Trap-Destination** Enter the destination IP address for traps. To prevent traps from being sent to any of your LAN hosts, enter **0.0.0.0**.

## Administration > Configuration Management



Administration > Configuration Management

This screen lets you save the system configuration to a file as well as restore the system configuration from a previously saved file.

To save the configuration, click **Save Configuration To File**, then follow the prompts to save the file to your computer.

To restore the configuration from a file, enter the name of the file or click **Browse** to locate it, then click **Apply**.

## Administration > Factory Defaults

This screen is used to restore the Bridge's factory default settings. When you do this, you will lose all previously configured settings and cannot recover that configuration unless you have saved it using the *Configuration Management* screen.



Administration > Factory Defaults

Select **Yes** next to **Restore Factory Defaults**, then click **Apply** to restore the defaults and restart the Bridge.

## Administration > Firmware Upgrade



Administration > Firmware Upgrade

This screen allows you to upgrade the Bridge's firmware after you have downloaded a new firmware file from the Linksys website. Firmware should only be upgraded if you experience problems with the Bridge.

Enter the name of the firmware file or click **Browse** to locate the file on your computer, then click **Upgrade** to begin the upgrade.

## System Status

The System Status tab displays the Bridge's current status and configuration information. These screens only display information and cannot be used to change any settings.

### System Status > System Status

This is the System Status tab's default screen. It displays basic status information for the Bridge.



System Status > System Status

**System Up Time** The Bridge's live time.

**Firmware Version** The version number of the currently installed firmware.

**MAC Address** The MAC address currently assigned to the Bridge.

**LAN Settings** The basic LAN settings.

- **IP Address, Subnet mask** The Bridge's IP address and subnet mask.
- **Gateway** The IP address of the Bridge's gateway.

Click **Refresh** to display the most current information.

### System Status > Wireless Status

This screen displays status information for the Bridge's wireless network.



System Status > Wireless Status

**SSID** Name of the wireless network.

**Network Type** Wireless network type (**Infrastructure** or **Ad-Hoc**).

**Wireless Mode** Wireless network mode (**disabled**, **B/G Mixed**, etc.).

**Channel** Wireless network channel number.

**Security Mode** Security mode (**disabled**, **WEP**, **WPA-Personal**, etc.).

**Tx Rate** Wireless network transmission rate.

**Link Quality** Quality level of the wireless connection.

Click **Refresh** to display the most current information.

### System Status > Port Statistics

Port Information Table	Link	Duplex	Speed	RxPackets	TxPackets
Port 1	DOWN	Half	10Mbps	0	0
Port 2	DOWN	Half	10Mbps	0	0
Port 3	DOWN	Half	10Mbps	0	0
Port 4	DOWN	Half	10Mbps	0	0
Port 5	UP	Full	100Mbps	631	595
Wireless	UP			1228	207

System Status > Port Statistics

This screen displays status information for the Bridge's ports.

**Port 1-5, Wireless** Displays the following settings for each of these ports.

- **Link** Status of link, either **UP** (connected) or **DOWN** (not connected).
- **Duplex** The duplex mode resulting from auto-negotiation, either **Half** or **Full**.
- **Speed** The speed resulting from auto-negotiation, either **10Mbps** or **100Mbps**.
- **RxPackets** Total number of packets received.
- **TxPackets** Total number of packets sent.

Click **Refresh** to display the most current information.

## Appendix A: 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 Equivalency Privacy (WEP) offer different levels of security for wireless communication. Currently, devices that are Wi-Fi certified are required to support WPA2, but are not required to support WEP.

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.



## Appendix B: Glossary

This glossary contains some basic networking terms you may come across when using this product.



**WEB:** For additional terms, please visit the glossary at [www.linksys.com/glossary](http://www.linksys.com/glossary)

**Access Mode** Specifies the method by which user access is granted to the system.

**Access Point** A device that allows wireless-equipped computers and other devices to communicate with a wired network. Also used to expand the range of a wireless network.

**Access Profiles** Allows network managers to define profiles and rules for accessing the device. Access to management functions can be limited to user groups, which are defined by the following criteria:

- Ingress interfaces
- Source IP address and/or Source IP subnets.

**ACE** Filters in Access Control Lists (ACL) that determine which network traffic is forwarded. An ACE is based on the following criteria:

- Protocol
- Protocol ID
- Source Port
- Destination Port
- Wildcard Mask
- Source IP Address
- Destination IP Address

**ACL (Access Control List)** Access Control Lists are used to grant, deny, or limit access devices, features, or applications.

**Auto-negotiation** Allows 10/100 Mbps or 10/100/1000 Mbps Ethernet ports to automatically establish the optimal duplex mode, flow control, and speed.

**Back Pressure** A mechanism used with Half Duplex mode that enables a port not to receive a message.

**Bandwidth** The transmission capacity of a given device or network.

**Bandwidth Assignments** Indicates the amount of bandwidth assigned to a specific application, user, and/or interface.

**Baud** Indicates the number of signaling elements transmitted each second.

**Best Effort** Indicates that traffic is assigned to the lowest priority queue, and packet delivery is not guaranteed.

**Bit** A binary digit.

**Boot** To start a device and cause it to start executing instructions.

**Browser** An application program that provides a way to look at and interact with all the information on the World Wide Web.

**Bridge** A device that connect two networks. Bridges are hardware specific, however they are protocol independent. Bridges operate at Layer 1 and Layer 2 levels.

**Broadcast Domain** Devices sets that receive broadcast frames originating from any device within a designated set. Routers bind Broadcast domains, because routers do not forward broadcast frames.

**Broadcast Storm** An excessive amount of broadcast messages simultaneously transmitted across a network by a single port. Forwarded message responses are heaped onto the network, overloading network resources or causing the network to time out.

**Burst** A packet transmission at faster than normal rates. Bursts are limited in time and only occur under specific conditions.

**Burst Size** Indicates the burst size transmitted at a faster than normal rate.

**Byte** A unit of data that is usually eight bits long

**Cable Modem** A device that connects a computer to the cable television network, which in turn connects to the Internet.

**CBS (Committed Burst Size)** Indicates the maximum number of data bits transmitted within a specific time interval.

**CIR (Committed Information Rate)** The data rate is averaged over a minimum time increment.

**Class Maps** An aspect of Quality of Service system that is comprised of an IP ACL and/or a MAC ACL. Class maps are configured to match packet criteria, and are matched to packets in a first-fit fashion.

**Combo Ports** A single logical port with two physical connections, including an RJ-45 connection and a SFP connection.

**Communities** Specifies a group of users which retain the same system access rights.

**CoS (Class of Service)** The 802.1p priority scheme. CoS provides a method for tagging packets with priority information. A CoS value between 0-7 is added to the Layer II header of packets, where zero is the lowest priority and seven is the highest.

**DDNS (Dynamic Domain Name System)** Allows the hosting of a website, FTP server, or e-mail server with a fixed domain name (e.g., www.xyz.com) and a dynamic IP address.

**Default Gateway** A device that forwards Internet traffic from your local area network.

**DHCP (Dynamic Host Configuration Protocol)** A networking protocol that allows administrators to assign temporary IP addresses to network computers by "leasing" an IP address to a user for a limited amount of time, instead of assigning permanent IP addresses.

**DHCP Clients** An Internet host using DHCP to obtain configuration parameters, such as a network address.

**DHCP Server** An Internet host that returns configuration parameters to DHCP clients.

**DNS (Domain Name Server)** The IP address of your ISP's server, which translates the names of websites into IP addresses.

**Domain** A specific name for a network of computers.

**Download** To receive a file transmitted over a network.

**DSL (Digital Subscriber Line)** An always-on broadband connection over traditional phone lines.

**DSCP (DiffServ Code Point)** Provides a method of tagging IP packets with QoS priority information.

**Dynamic IP Address** A temporary IP address assigned by a DHCP server.

**EIGRP (Enhanced Interior Gateway Routing Protocol)** Provides fast convergence, support for variable-length subnet mask, and supports multiple network layer protocols.

**Encryption** Encoding data transmitted in a network.

**Ethernet** IEEE standard network protocol that specifies how data is placed on and retrieved from a common transmission medium.

**Firmware** The programming code that runs a networking device.

**Flow Control** Enables lower speed devices to communicate with higher speed devices. This is implemented by the higher speed device refraining from sending packets.

**FTP (File Transfer Protocol)** A protocol used to transfer files over a TCP/IP network.

**Full Duplex** The ability of a networking device to receive and transmit data simultaneously.

**GARP (General Attributes Registration Protocol)** Registers client stations into a multicast domain.

**Gateway** A device that interconnects networks with different, incompatible communications protocols.

**GBIC (GigaBit Interface Converter)** A hardware module used to attach network devices to fiber-based transmission systems. GBIC converts the serial electrical signals to serial optical signals and vice versa.

**GVRP (GARP VLAN Registration Protocol)** Registers client stations into a VLANs.

**Half Duplex** Data transmission that can occur in two directions over a single line, but only one direction at a time.

**HTTP (HyperText Transport Protocol)** The communications protocol used to connect to servers on the World Wide Web.

**HTTPS (HyperText Transport Protocol Secure)** An extension to the standard HTTP protocol that provides confidentiality by encrypting the traffic from the website. By default this protocol uses TCP port 443.

**ICMP (Internet Control Message Protocol)** Allows the gateway or destination host to communicate with the source host. For example, to report a processing error.

**IGMP (Internet Group Management Protocol)** Allows hosts to notify their local switch or router that they want to receive transmissions assigned to a specific multicast group.

**IP (Internet Protocol)** A protocol used to send data over a network.

**IP Address** The address used to identify a computer or device on a network.

**IPCONFIG** A Windows 2000 and XP utility that displays the IP address for a particular networking device.

**IPSec (Internet Protocol Security)** A VPN protocol used to implement secure exchange of packets at the IP layer.

**ISP (Internet Service Provider)** A company that provides access to the Internet.

**Jumbo Frames** Enable transporting identical data in fewer frames. Jumbo Frames reduce overhead, lower processing time, and ensure fewer interrupts.

**LAG (Link Aggregated Group)** Aggregates ports or VLANs into a single virtual port or VLAN.

**LAN** The computers and networking products that make up your local network.

**MAC (Media Access Control) Address** The unique address that a manufacturer assigns to each networking device.

**Mask** A filter that includes or excludes certain values, for example parts of an IP address.

**Mbps (MegaBits Per Second)** One million bits per second; a unit of measurement for data transmission.

**MD5 (Message Digest 5)** An algorithm that produces a 128-bit hash. MD5 is a variation of MD4, and increases MD4 security. MD5 verifies the integrity of the communication and authenticates the origin of the communication.

**MDI (Media Dependent Interface)** A cable used for end stations.

**MDIX (Media Dependent Interface with Crossover)** A cable used for hubs and switches.

**MIB (Management Information Base)** MIBs contain information describing specific aspects of network components.

**Multicast** Transmits copies of a single packet to multiple ports.

**Network** A series of computers or devices connected for the purpose of data sharing, storage, and/or transmission between users.

**NMS (Network Management System)** An interface that provides a method of managing a system.

**OID (Object Identifier)** Used by SNMP to identify managed objects. In the SNMP Manager/Agent network management paradigm, each managed object must have an OID to identify it.

**Packet** A unit of data sent over a network.

**Ping (Packet INternet Groper)** An Internet utility used to determine whether a particular IP address is online.

**Policing** Determines if traffic levels are within a specified profile. Policing manages the maximum traffic rate used to send or receive packets on an interface.

**Port** The connection point on a computer or networking device used for plugging in cables or adapters.

**Port Mirroring** Monitors and mirrors network traffic by forwarding copies of incoming and outgoing packets from one port to a monitoring port.

**Power over Ethernet (PoE)** A technology enabling an Ethernet network cable to deliver both data and power.

**QoS (Quality of Service)** Provides policies that contain sets of filters (rules). QoS allows network managers to decide how and what network traffic is forwarded according to priorities, application types, and source and destination addresses.

**RADIUS (Remote Authentication Dial-In User Service)** A protocol that uses an authentication server to control network access.

**RJ-45 (Registered Jack-45)** An Ethernet connector that holds up to eight wires.

**RMON (Remote Monitoring)** Provides network information to be collected from a single workstation.

**Router** A networking device that connects multiple networks together.

**RSTP (Rapid Spanning Tree Protocol)** Detects and uses network topologies that allow a faster convergence of the spanning tree, without creating forwarding loops.

**Server** Any computer whose function in a network is to provide user access to files, printing, communications, and other services.

**SMTP (Simple Mail Transfer Protocol)** The standard e-mail protocol on the Internet.

**SNMP (Simple Network Management Protocol)** A widely used network monitoring and control protocol.

**SSH** Secure Shell. A utility that uses strong authentication and secure communications to log in to another computer over a network.

**SSL (Secure Socket Layer)** Encryption technology for the Internet used to provide secure transactions, such as the transmission of credit card numbers for e-commerce.

**Static IP Address** A fixed address assigned to a computer or device that is connected to a network.

**STP (Spanning Tree Protocol)** Prevents loops in network traffic. The Spanning Tree Protocol (STP) provides tree topography for any arrangement of bridges. STP provides one path between end stations on a network, eliminating loops.

**Subnet (Sub-network)** Subnets are portions of a network that share a common address component. In TCP/IP networks, devices that share a prefix are part of the same subnet. For example, all devices with a prefix of 157.100.100.100 are part of the same subnet.

**Subnet Mask** An address code that determines the size of the network.

**Switch** Filters and forwards packets between LAN segments. Switches support any packet protocol type.

**TACACS+ (Terminal Access Controller Access Control System Plus)** Proprietary Cisco enhancement to Terminal Access Controller Access Control System (TACACS). Provides additional support for authentication, authorization, and accounting.



**TCP (Transmission Control Protocol)** A network protocol for transmitting data that requires acknowledgement from the recipient of data sent.

**TCP/IP (Transmission Control Protocol/Internet Protocol)** A set of instructions PCs use to communicate over a network.

**Telnet** A user command and TCP/IP protocol used for accessing remote PCs.

**TFTP (Trivial File Transfer Protocol)** A version of the TCP/IP FTP protocol that has no directory or password capability.

**Throughput** The amount of data moved successfully from one node to another in a given time period.

**Trunking** Link Aggregation. Optimizes port usage by linking a group of ports together to form a single trunk (aggregated groups).

**TX Rate** Transmission Rate.

**UDP (User Data Protocol)** Communication protocol that transmits packets but does not guarantee their delivery.

**Upgrade** To replace existing software or firmware with a newer version.

**Upload** To transmit a file over a network.

**URL (Uniform Resource Locator)** The address of a file located on the Internet.

**VLAN (Virtual Local Area Networks)** Logical subgroups that constitute a Local Area Network (LAN). This is done in software rather than defining a hardware solution.

**WAN (Wide Area Network)** Networks that cover a large geographical area.

**Wildcard Mask** Specifies which IP address bits are used, and which bits are ignored. A wild card mask of 255.255.255.255 indicates that no bit is important. A wildcard of 0.0.0.0 indicates that all the bits are important.

For example, if the destination IP address is 149.36.184.198 and the wildcard mask is 255.36.184.00, the first two bits of the IP address are used, while the last two bits are ignored.

## Appendix C: Specifications

### Specifications

Model	WET200
Standards	IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u, IEEE802.3af (Power over Ethernet), 802.1p (QoS Priority), 802.1Q (VLAN), 802.1X (Security Authentication), 802.11i-Ready (Security WPA2), 802.11e-Ready (Wireless QoS)
Ports	5 10/100 Base-T Ethernet, 12 VDC Power
Cabling Type	UTP CAT 5
LEDs	Power, PoE, Wireless, Ethernet 1-5
Operating System	Linux

### Setup/Configuration

Web User Interface (UI)	Built-in Web UI for Easy Browser-based Configuration (HTTP/HTTPS)
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### Management

SNMP Version	SNMP Version 1, 2c, 3
Web Firmware Upgrade	Firmware Upgradable Through Web Browser
DHCP	DHCP Client

### Operating Modes

Wireless Client	Infrastructure or Ad-Hoc
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### Wireless

Spec/Modulation	Radio and Modulation Type: 802.11b/DSSS, 802.11g/OFDM
Channels	Operating Channels: 11 North America, 13 Most of Europe (ETSI and Japan)
Internal Antennas	None
External Antennas	2 (Omnidirectional) Reverse SMA Detachable
Transmit Power	Transmit Power @ Normal Temperature Range: 11b: 15.5 ± 1 dBm, 11g: 15 ± 1 dBm
Antenna Gain	1.8 dBi
Receiver Sensitivity	11g: 54 Mbps @ -72 dBm, 11b: 11 Mbps @ -85 dBm

### Security

WEP/WPA/WPA2	WEP 64-bit/128-bit, WPA-PSK, WPA2-PSK, WPA-ENT, WPA2-ENT
Access Control	MAC-Based ACL between wired and wireless interfaces
802.1X	IEEE 802.1X Support

### Quality of Service

QoS	4 Queues; Queue Mapping on Ingress Based on Default Priority, 802.1p Tag, DSCP & IP ToS; Rate Limiting on Both Ingress and Egress Direction; WMM Priority Settings for Wireless Egress
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### VLAN

802.1Q VLAN	Support for up to 64 VLANs on the switch
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### Environmental

Dimensions W x H x D	6.69" x 8.07" x 7.68" (170 x 205 x 195 mm)
Unit Weight	0.76 lb (345 g)
Power	12V 0.5A DC Input, IEEE802.3af-Compliant PoE
Certification	FCC, ICES-003, CE
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-4 to 158°F (-20 to 70°C)
Operating Humidity	10 to 85% Noncondensing
Storage Humidity	5 to 90% Noncondensing

### Appendix D: Warranty Information

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**Contact your service provider if the warranty support issues are to be handled by them as per your service agreements.**

#### Limited Warranty

Linksys warrants to You that, for a period of three years (the "Warranty Period"), your Linksys Product will be substantially free of defects in materials and workmanship under normal use. Your exclusive remedy and Linksys' entire liability under this warranty will be for Linksys at its option to repair or replace the Product or refund Your purchase price less any rebates. This limited warranty extends only to the original purchaser.

If the Product proves defective during the Warranty Period call Linksys Technical Support in order to obtain a Return Authorization Number, if applicable. BE SURE TO HAVE YOUR PROOF OF PURCHASE ON HAND WHEN CALLING. If You are requested to return the Product, mark the Return Authorization Number clearly on the outside of the package and include a copy of your original proof of purchase. RETURN REQUESTS CANNOT BE PROCESSED WITHOUT PROOF OF PURCHASE. You are responsible for shipping defective Products to Linksys. Linksys pays for UPS Ground shipping from Linksys back to You only. Customers located outside of the United States of America and Canada are responsible for all shipping and handling charges.

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This warranty does not apply if the Product (a) has been altered, except by Linksys, (b) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Linksys, or (c) has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident. In addition, due to the continual development of new techniques for intruding upon and attacking networks, Linksys does not warrant that the Product will be free of vulnerability to intrusion or attack.

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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.

#### FCC Radiation Exposure Statement

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. IEEE 802.11b or 802.11g operation of this product in the USA is firmware-limited to channels 1 through 11.

#### 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.



**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 device complies with Industry Canada ICES-003 and RSS210 rules.

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. This device has been designed to operate with an antenna having a maximum gain of 1.8 dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

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 20cm between the radiator & your body.

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

### Avis d'Industrie Canada

Cet appareil est conforme aux normes NMB003 et RSS210 d'Industrie 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. Le dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximum de 1.8 dBi. Les règlements d'Industrie Canada interdisent strictement l'utilisation d'antennes dont le gain est supérieur à cette limite. L'impédance requise de l'antenne est de 50 ohms.  
Afin de réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de façon à ce que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne soit pas supérieure au niveau requis pour obtenir une communication satisfaisante.

### 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.

### 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/ЕС 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. Ваша е отговорността 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 Liidu 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 korrektne 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

Η Κοινοτική Οδηγία 2002/96/ΕΚ απαιτεί ότι ο εξοπλισμός ο οποίος φέρει αυτό το σύμβολο ♻️ στο προϊόν και/ή στη συσκευασία του δεν πρέπει να απορρίπτεται μαζί με τα μικτά κοινωτικά απορρίμματα. Το σύμβολο υποδεικνύει ότι αυτό το προϊόν θα πρέπει να απορρίπτεται ξεχωριστά από τα συνηθισμένα οικιακά απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος και άλλου ηλεκτρικού και ηλεκτρονικού εξοπλισμού μέσω των καθορισμένων εγκαταστάσεων συγκέντρωσης απορριμμάτων οι οποίες παρέχονται από το κράτος ή τις αρμόδιες τοπικές αρχές. Η σωστή απόρριψη και ανακύκλωση συμβάλλει στην πρόληψη πιθανών αρνητικών συνεπειών για το περιβάλλον και την υγεία. Για περισσότερες πληροφορίες σχετικά με την απόρριψη του παλιού σας εξοπλισμού, παρακαλώ επικοινωνήστε με τις τοπικές αρχές, τις υπηρεσίες απόρριψης 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 nonenāktu 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 fiha is-simbolu  fuq il-prodott u/jew fuq l-ippakkjar ma jistax jintrema ma' skart municipali li ma għiex 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 iehor 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 għin 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 lil-awtoritajiet lokali tiegħek, is-servizzi għar-rimi ta' l-iskart, jew il-hanut 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, amelyek, 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 hulladékélezálítási rendszertől elkülönített eljárást kell alkalmazni. Az Ön felelőssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtőrendszeren 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 cașati 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.


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

Evropska direktiva 2002/96/EC prepoveduje odlaganje opreme, označene s tem simbolom  – na izdelku in/ali na embalaži – med običajne, nerazvrščene odpadke. Ta simbol opozarja, da je treba izdelek odvreči ločeno od preostalih gospodinjiskih odpadkov. Vaša odgovornost je, da to in preostalo električno in elektronsko opremo odnesete na posebna zbirališča, ki jih določijo državne ustanove ali lokalna uprava. 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 lokalno upravo, odpad 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.



**WEB:** For additional information, please visit [www.linksys.com](http://www.linksys.com)

### Appendix F: Contact Information

Linksys Contact Information	
Website	<a href="http://www.linksys.com">http://www.linksys.com</a>
E-Mail	<a href="mailto:support@linksys.com">support@linksys.com</a>
FTP Site	<a href="ftp.linksys.com">ftp.linksys.com</a>
Advice Line	800-546-5797 (LINKSYS)
Support	800-326-7114
RMA (Return Merchandise Authorization)	949-823-3000
Fax	949-823-3002



**NOTE:** Details on warranty and RMA issues can be found in the Warranty and Regulatory Information section of this Guide.