3Com® AirProtect Sentry 5850
3CRWX5850GS / WL-548

This Quick Start Guide describes the basic steps necessary to install and configure your 3Com AirProtect Sentry 5850 (3CRWX5850GS / WL-548). Throughout this guide the AirProtect Sentry is simply referred to as the "Sentry".
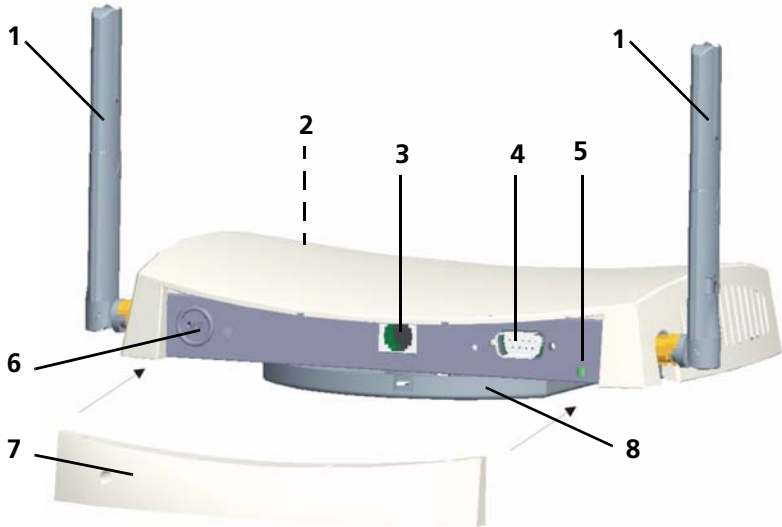
Before installing or moving the Sentry you must read the safety information provided in "Safety Information" on page 3 of this manual.

About This Guide

This guide describes the basic installation of the Sentry. It covers the following topics:

- 3Com AirProtect Sentry 5850 Features
- Safety Information
- Step 1: Unpacking the AirProtect Sentry
- Step 2: Preparing for Installation
- Step 3: Attaching the Antennas
- Step 4: Mounting the AirProtect Sentry
- Step 5: Connecting Power
- Step 6: Checking the LED Indicators
- Step 7: Connecting to the Sentry
- Step 8: Initial Login and Region Selection
- Troubleshooting
- Regulatory Information

3Com AirProtect Sentry 5850 Features

	Feature	Description
1	Antenna Connectors	Two RSMA type antenna connectors allow you to connect antennas that operate in 2.4 GHz and 5.0 GHz bands.
2	LEDs	The LEDs indicate power and activity. See "Checking the LED Indicators" on page 7 for details.
3	Ethernet Port	The Ethernet port provides a 10/100BASE-TX Ethernet connection to a 3Com switch. Use a suitable Category 5 cable with straight-through signaling and standard RJ-45 connectors to connect your Sentry to the switch on the network.
4	Serial Port	Provides a serial interface to the Sentry for diagnostic use.
5	Reset Button	To restore factory settings, press the reset button during power-up by inserting a pointed object into the reset hole on the back of the Sentry and holding for five seconds.
6	Kensington lock connector	
7	Detachable rear-panel cover	
8	Mounting Bracket	The mounting bracket comes attached to the Sentry and allows the unit to be mounted on a wall or ceiling.

Safety Information

This equipment must be installed in compliance with local and national building codes, regulatory restrictions, and FCC rules. For the safety of people and equipment, only professional network personnel should install the Sentry.

WARNING: Warnings contain directions that you must follow for your personal safety. Follow all directions carefully.

You must read the following safety information carefully before you install or remove the unit.

WARNING: Exceptional care must be taken during installation and removal of the unit.

WARNING: The socket outlet must be near to the unit and easily accessible. You can only remove power from the unit by disconnecting the power cord from the outlet.

WARNING: This unit operates under SELV (Safety Extra Low Voltage) conditions according to IEC 950 / IEC 60950. The conditions are only maintained if the equipment to which it is connected also operates under SELV conditions.

WARNING: There are no user-replaceable fuses or user-serviceable parts inside the unit. If you have a physical problem with the unit that cannot be solved with problem solving actions in this guide, contact your supplier.

WARNING: Disconnect the power adapter before moving the unit.

WARNING: RJ-45 ports. These are shielded RJ-45 data sockets. They cannot be used as standard traditional telephone sockets, or to connect the unit to a traditional PBX or public telephone network. Only connect RJ-45 data connectors, network telephony systems, or network telephones to these sockets.

Either shielded or unshielded data cables with shielded or unshielded jacks can be connected to these data sockets.

WARNING: To comply with FCC radio frequency (RF) exposure limits, a minimum body-to-antenna distance of 20 cm (8 in.) must be maintained when the Sentry is operational.

Approved Channels

Use of this product is only authorized for the channels approved by each country. For proper installation, select your country from the country selection list.

To conform to FCC and other country restrictions your product may be limited in the channels that are available.

Informacje na temat bezpieczeństwa

Urządzenie musi być zamontowane zgodnie z lokalnymi i krajowymi normami, ustawami i przepisami. W celu zagwarantowania bezpieczeństwa osób i urządzeń, instalację Punktu dostępowego może przeprowadzać wyłącznie wyszkolony fachowiec ds. sieci.

OSTRZEŻENIE: Ostrzeżenia zawierają wskazówki, których należy przestrzegać w celu zagwarantowania bezpieczeństwa osobistego. Do tych zaleceń należy stosować się dokładnie.

Przed przystąpieniem do montażu lub demontażu urządzenia należy dokładnie przeczytać następujące informacje dotyczące bezpieczeństwa.

OSTRZEŻENIE: Podczas montażu lub demontażu urządzenia należy pracować z wyjątkową uwagą.

OSTRZEŻENIE: Gniazdo sieciowe powinno znajdować się w pobliżu urządzenia i być łatwo dostępne. Z urządzenia można odciąć zasilanie wyłącznie poprzez wyjęcie kabla zasilającego z gniazda.

OSTRZEŻENIE: Urządzenie działa w warunkach SELV (obwód bezpiecznego niskiego napięcia) zgodnie z normą IEC 950 / IEC 60950. Warunki te są jednak zagwarantowane wyłącznie wtedy, gdy sprzęt, do którego podłączone jest urządzenie, również pracuje w obwodzie SELV.

OSTRZEŻENIE: Wewnątrz urządzenia nie znajdują się wymienne bezpieczniki lub części, które mogłyby być oddane do naprawy. W przypadku wystąpienia problemu, którego nie można rozwiązać za pomocą wskazówek podanych w tej instrukcji obsługi, prosimy o kontakt z dostawcą produktu.

OSTRZEŻENIE: Przed przeniesieniem urządzenia należy odłączyć zasilacz.

OSTRZEŻENIE: Porty RJ-45. Są to ekranowane gniazda RJ-45 do danych. Nie są przeznaczone do użycia jako standardowe gniazda telefoniczne lub do podłączenia urządzenia do PBX lub publicznej sieci telefonicznej. Do tych gniazd wolno podłączać wyłącznie wtyki RJ-45 danych, systemów telefonii sieciowej lub telefonów sieciowych.

Do tych gniazd można podłączać kable danych ekranowane lub nieekranowane z ekranowanymi lub nieekranowanymi wtykami.

OSTRZEŻENIE: W związku w ograniczeniami częstotliwości radiowej (RF), minimalna odległość między ciałem a anteną wynosząca 20 cm (8 cali) musi być zachowana w przypadku stosowania Punkt dostępowy.

1. Unpacking the AirProtect Sentry

Make sure that you have the following items, which are included with the Sentry:

- One 3Com AirProtect Sentry
- Two external dual-band antennas (2.4 GHz and 5.0 GHz)
- One Ethernet cable
- Mounting bracket (attached to the Sentry)
- Four adhesive rubber feet (used for a flat-surface installation).
- One CD-ROM containing the *User's Manual*, and a copy of this *Quick Start Guide*.
- One Warranty Flyer

2. Preparing for Installation

It is advisable to connect and check the Ethernet cable and LEDs before installing the Sentry in a hard-to-reach location. Additionally, observe the following items before mounting or connecting the Sentry:

Feature	Description
Switch Port	To connect your wireless network to your wired network, you need a hub or switch connected to the Sentry.
Cabling	Make sure that standard Ethernet cable with straight-through signaling is installed at the site before you install the Sentry.
	Make sure that the cable is highly flexible and that there is no extra covering on the RJ-45 connector that could prevent the cable from being routed through the mounting bracket.
Power Requirement	Power is supplied using an 802.3af Power Over Ethernet (PoE) compliant device such as a switch, or a PoE injector (not included).
MAC Address	Record the access point MAC address in a safe place before the Sentry is installed in a hard-to-reach location.
	The MAC address is printed on the back of the Sentry.

3. Attaching the Antennas

Carefully unpack the standard detachable antennas that came with your Sentry. Thread each antenna onto an antenna connector on the Sentry and hand-tighten them. After network startup, you may need to adjust the antennas to fine-tune coverage in your area.

For best results, adjust the antennas so they are perpendicular to the floor and ceiling.

> **!** **CAUTION:** Do not handle the antenna tips, especially after they are connected to the Sentry. This could lead to electrostatic discharge (ESD), which could damage the equipment.

4. Mounting the AirProtect Sentry

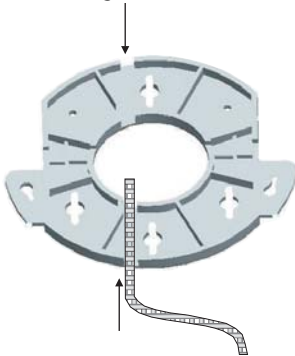The Sentry can be mounted on the following types of surfaces:

- Wall, ceiling, or electrical box (NEMA enclosure)
- Tabletop

Wall, Ceiling, or Electrical Box Mounting
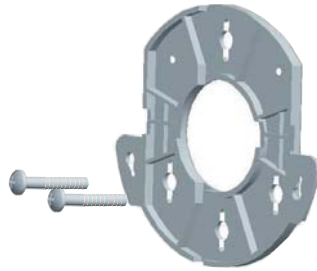
Use the bracket that comes with your Sentry to install it on a wall, ceiling, or electrical box:

1 Route Ethernet cable through the opening in the cradle.

2 Screw the mounting bracket to a wall, ceiling, or electrical box (NEMA enclosure):

- If mounting to a solid surface wall or ceiling, use the two sheet metal screws.
- If mounting to drywall, use the two sheet metal screws and two wall anchors.
- If mounting to an electrical box (NEMA enclosure), use the two threaded screws.

The figures below show a cable being routed through the large opening in the cradle and then the cradle being mounted to a wall.

| Routing a cable | Wall-mounting the cradle |

3 Connect the Ethernet cable (for power and network connection) to the port on the rear of the Sentry.

4 Twist the Sentry onto the mounting bracket.

Tabletop Mounting

To install the Sentry on a flat surface such as a table or desktop:

1 Remove the backing from the four rubber feet and attach them on the bottom of the Sentry.

2 Place the Sentry on the table.

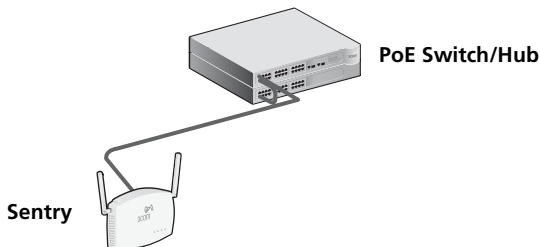**3** Connect the Ethernet cable (for power and network) to the port on the rear of the Sentry.

5. Connecting Power

The Sentry can be powered by the following methods:

- By Power Over Ethernet (PoE) supplied over the LAN by a 802.3af PoE compliant device such as a switch or hub.
- By PoE supplied by a PoE injector (not included).
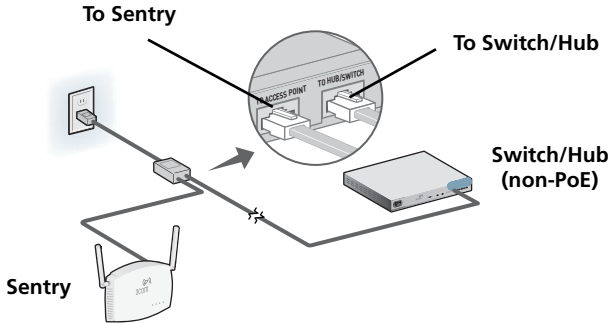
Power Over Ethernet (PoE) from the LAN

To power the Sentry using PoE provided by a switch or other 802.3af compliant device, simply plug the network cable from the device into the Sentry's Ethernet port.

PoE Switch/Hub

Sentry

Power Over Ethernet from a PoE Injector

To power the Sentry using a PoE Injector (not included), do the following:

1 Connect the LAN cable from the switch or hub to the Hub/Switch port on the PoE Injector (not included).

2 Next connect a LAN cable from the Ethernet port on the Sentry to the other port on the PoE injector.

3 Plug the PoE Injector into a properly grounded electric outlet.

6. Checking the LED Indicators

When the Sentry is connected to power, LEDs indicate activity as follows:

	LED	Color	Indicates
	Power	Green	Power On
		Amber	Flashing indicates a hardware failure, or the system is booting.
		Off	Power Off
	11a	Green	Flashing indicates the link is OK and the Sentry is defending against rogue connections on the 802.11a 5.0 GHz wireless network.
		Off	The radio is off
	11b/g	Green	Flashing indicates the link is OK and the Sentry is defending against rogue connections on the 802.11b/g 2.4 GHz wireless network.
		Off	The radio is off
	LAN	Green	Indicates a 10/100Base-T network is detected at the Ethernet port. If the LED is flashing, the link is OK and data is being transmitted or received.
		Off	No link

7. Connecting to the Sentry

You can connect to the Sentry on networks that have a DHCP server, and on networks that do not have a DHCP server. To connect you must find the Sentry's IP address.

Finding the IP Address on Networks with a DHCP Server

If your network has a DHCP server, an IP address is automatically assigned to the Sentry. The Sentry takes between one and two minutes to detect a DHCP server on the network. Find the assigned IP address using the **viewip** command in the CLI or from the DHCP server logs. Next enter the assigned IP address into a web browser on a computer on the same subnet to view the Sentry's system status or change its configuration.

Finding the IP Address on Networks without a DHCP Server

If your network does not have a DHCP server, the Sentry uses a default factory-assigned IP address (192.168.1.245).

8. Initial Login and Region Selection

When you log in to the Sentry for the first time you must select the region in which the unit will be used. To log in to the Sentry fofollows these steps:

1 Connect to the Sentry and find its IP Address as described in "Connecting to the Sentry".

2 Launch your computer's web browser. In the address bar, enter your Sentry's IP Address and press Enter.

3 At the Sentry Login Screen, type the user name and password and click **Log On**.

The default username and password are case-sensitive:

- Username: **admin**
- Password: **password**

4 At the Select Region screen, select the country in which your Sentry will be used.

- If you select **US** (United States) simply click **Apply** and you will be logged into the Sentry.
- If you select a different region, you will be prompted to enter the Worldwide License Key. Enter the following key into the field:
    7f9cd1927c4f6dd69c1876754849b9fd1999999

For complete details on configuring your Sentry, refer to the *3Com AirProtect Sentry User Guide* included on the product CD. Updates to the user manual may be found on our website: **www.3Com.com**.

> **!** **NOTE:** The AirProtect Sentry 5850 radios are turned off until you select a region.

9. Troubleshooting

For troubleshooting information please refer to your User's Guide or visit 3Com's World Wide Web site: **http://www.3Com.com**.

REGULATORY INFORMATION

The 3Com AirProtect Sentry, Model WL-548 (3CRWX5850GS) must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

i ▶ This product contains encryption. It is unlawful to export out of the U.S. without obtaining a U.S. Export License.

This product does not contain any user serviceable components. Any unauthorized product changes or modifications will invalidate 3Com's warranty and all applicable regulatory certifications and approvals.

Only antennas specified for your region by 3Com can be used with this product. The use of external amplifiers or non-3Com antennas may invalidate regulatory certifications and approvals.

This product can only be used with the supplied antennas.

CAUTION: EXPOSURE TO RADIO FREQUENCY RADIATION

This device generates and radiates radio-frequency energy. In order to comply with FCC radio-frequency exposure guidelines for an uncontrolled environment, this equipment must be installed and operated while maintaining a minimum body to antenna distance of 20 cm (approximately 8 in.).

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rpb.

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. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

This product must maintain a minimum body to antenna distance of 20 cm. Under these conditions this product will meet the Basic Restriction limits of 1999/519/EC [Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)].

US — RADIO FREQUENCY REQUIREMENTS

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

This device is for indoor use only when using channels 36, 40, 44 or 48 in the 5.15 to 5.25 GHz frequency range.

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

FCC NOTICE

To comply with FCC Part 15 rules in the United States, the system must be professionally installed to ensure compliance with the Part 15 certification. It is the responsibility of the operator and professional installer to ensure that only certified systems are deployed in the United States. The use of the system in any other combination (such as co-located antennas transmitting the same information) is expressly forbidden in accordance with FCC rules CFR47 Part 15.204.

USA—FEDERAL COMMUNICATIONS COMMISSION (FCC) EMC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

The user may find the following booklet prepared by the Federal Communications Commission helpful: *The Interference Handbook*. This booklet is available from the U.S. Government Printing Office, Washington, DC

20402. Stock No. 004-000-0034504.

3Com is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this 3Com AirProtect Sentry, Model WL-548 (3CRWX5850GS), or the substitution or attachment of connecting cables and equipment other than specified by 3Com.

The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

Changes or modifications not expressly approved by 3Com could void the user's authority to operate this equipment.

US MANUFACTURER'S FCC DECLARATION OF CONFORMITY

3Com Corporation
350 Campus Drive
Marlborough, MA 01752-3064, USA
(508) 323-5000

Date: 1 May 2006

Declares that the Product:
Brand Name: 3Com Corporation
Model Number: WL-548
Equipment Type: AirProtect Sentry

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.

FC	3Com AirProtect Sentry WL-548

INDUSTRY CANADA — RF COMPLIANCE

This device complies with RSS 210 of Industry Canada.

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 this device.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication. To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empecher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit etre utilize a l'interieur et devrait etre place loin des fenetres afin de Fournier un ecram de blindage maximal. Si le matriel (ou son antenne d'emission) est installe a l'exterieur, il doit faire l'objet d'une licence.

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

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

This device has been designed to operate with the supplied antenna only, and those having a maximum gain of 2 dB (2.4 GHz) or 5 dB (5 GHz). Antennas other than that supplied or having a gain greater than 2 dB (2.4 GHz) or 5 dB (5 GHz) are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

INDUSTRY CANADA - EMISSIONS COMPLIANCE STATEMENT

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

Avis de Conformité à la Réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conform à la norme NMB-003 du Canada.

SAFETY COMPLIANCE NOTICE

This device has been tested and certified according to the following safety standards and is intended for use only in Information Technology Equipment which has been tested to these or other equivalent standards:

- UL Standard 60950-1
- CAN/CSA C22.2 No. 60950-1
- IEC 60950-1
- EN 60950-1

EU COMPLIANCE

Usage restrictions apply.
See documentation

This equipment may be operated in							
AT	BE	CY	CZ	DK	EE	FI	FR
DE	GR	HU	IE	IT	LV	LT	LU
MT	NL	PL	PT	SK	SI	ES	SE
GB	IS	LI	NO	CH	BG	RO	TR

Intended use: IEEE 802.11a/b/g radio LAN device

NOTE: To ensure product operation is in compliance with local regulations, select the country in which the product is installed.

Česky [Czech]	3Com Coporation tímto prohlašuje, že tento RLAN device je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede 3Com Corporation erklærer herved, at følgende udstyr RLAN device overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erklärt 3Com Corporation, dass sich das Gerät RLAN device in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab 3Com Corporation seadme RLAN device vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, 3Com Corporation, declares that this RLAN device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente 3Com Corporation declara que el RLAN device cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ 3Com Corporation ΔΗΛΩΝΕΙ ΟΤΙ RLAN device ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente 3Com Corporation déclare que l'appareil RLAN device est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Italiano [Italian]	Con la presente 3Com Corporation dichiara che questo RLAN device è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo 3Com Corporation deklarē, ka RLAN device atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo 3Com Corporation deklaruoja, kad šis RLAN device atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart 3Com Corporation dat het toestel RLAN device in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, 3Com Corporation, jiddikjara li dan RLAN device jikkonforma malhtigijiet essenzjali u ma provvedimenti ohrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, 3Com Corporation nyilatkozom, hogy a RLAN device megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]	Niniejszym 3Com Corporation oświadcza, że RLAN device jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	3Com Corporation declara que este RLAN device está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	3Com Corporation izjavlja, da je ta RLAN device v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	3Com Corporation týmto vyhlasuje, že RLAN device spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	3Com Corporation vakuuttaa täten että RLAN device tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

A copy of the signed Declaration of Conformity can be downloaded from the Product Support web page for the 3Com AirProtect Sentry, Model WL-548 (3CRWX5850GS) at http://www.3com.com. Also available at http://support.3com.com/doc/WL-548_EU_DOC.pdf

EU - RESTRICTIONS FOR USE IN THE 2.4 GHZ BAND

This device may be operated indoors or outdoors in all countries of the European Community using the 2.4 GHz band: Channels 1–13, except where noted below.

- In **Italy** the end-user must apply for a license from the national spectrum authority to operate this device outdoors.
- In **Belgium** outdoor operation is only permitted using the 2.46 – 2.4835 GHz band: Channel 13.
- In **France** outdoor operation is only permitted using the 2.4 – 2.454 GHz band: Channels 1 – 7.

EU - RESTRICTIONS FOR USE IN THE 5 GHZ BAND

Allowed Frequency Bands	Allowed Channel Numbers	Countries
5.15–5.35 GHz	36, 40, 44, 48, 52, 56, 60, 64	Czech Republic, France
5.15–5.35 & 5.470–5.725 GHz	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140	Austria, Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, U.K.

- This device may be not be operated outdoors when using the bands 5150–5350 MHz (Channels 36, 40, 44, 48, 52, 56, 50, 64).

- In Italy the end-user must apply for a license from the national spectrum authority to operate this device outdoors.

- To remain in conformance with European spectrum usage laws for Wireless LAN operation, the above 5 GHz channel limitations apply. The user should check the current channel of operation. If operation is occurring outside of the allowable frequencies as listed above, the user must cease operating the Access Point at that location and correct the configuration of the channels used before resuming operation.

- The 5 GHz Turbo mode feature is not allowed for operation in any European Community country.

- This device must be used with the radar detection feature required for European Community operation in the 5 GHz bands. This device will avoid operating on a channel occupied by any radar system in the area. The presence of nearby radar operation may result in temporary interruption in communications of this device. The Access Point's radar detection feature will automatically restart operation on a channel free of radar. You may consult with the local technical support staff responsible for the wireless network to ensure the Access Point device(s) are properly configured for European Community operation.

BRAZIL RF COMPLIANCE

Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados.

Opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Para maiores informações, consulte o site da ANATEL - www.anatel.gov.br

KOREA RF COMPLIANCE

This device may cause radio interference during its operation. Therefore service in relation to human life security is not available.

CHINA RoHS

电子信息产品污染控制管理方法

(第39号)

(又名中国RoHS)

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板及其组件	X	○	○	○	○	○
机箱/隔板/其它金属和塑料部件	X	○	○	○	○	○
电缆/电线	X	○	○	○	○	○
天线	○	○	○	○	○	○
安装支架/其它附件	○	○	○	○	○	○
电源供应器及其组件	X	○	○	○	○	○

(○:表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006标准规定的限量要求.)

(X:表示该有毒有害物质在该部件的某一均质材料中的含量超出SJ/T 11363-2006标准规定的限量要求.)

The above table provides information required under the following Chinese legislation:

Management methods for Controlling Pollution by Electronic Information Products (No.39)

(also known as China RoHS)