

RE4000W



User
Guide



Linksys

Wireless-N Range Extender

Introduction

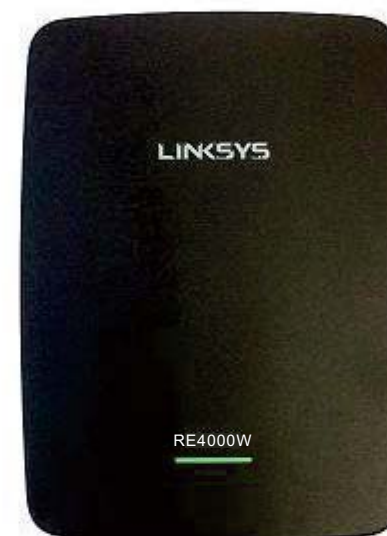
This *Getting Started* guide can help you connect the extender to your network and solve common setup issues. You can find more help from our award-winning, 24/7 customer support at Linksys.com/support.

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Overview

Front



This light indicates the power and the Wi-Fi Protected Setup status. After initial setup, if you have client devices, such as wireless printers, that support Wi-Fi Protected Setup, then you can use Wi-Fi Protected Setup to automatically configure wireless security for your wireless network.

Power When the extender is powered on, resets to factory defaults, or upgrades its firmware, the light flashes slowly (about every three seconds). When the extender is ready for use, the light is continuously lit. If there is an error, the light flashes quickly (about every second); disconnect the extender from the wall mount socket, wait two seconds, and then reconnect it.

Wi-Fi Protected Setup When the Wi-Fi Protected Setup process is active, the light flashes slowly (about every two seconds) for two minutes. When the Wi-Fi Protected Setup is successful, the light is continuously lit. If there is an error, the light flashes quickly (about every second) for two minutes; please wait and try again.

Top



Power Switch Featured only in the European versions of the extender.



Reset Press and hold this button for about five seconds to reset the extender to its factory defaults. You can also restore the defaults from the *Administration > Factory Defaults* screen in the extender's browser-based utility.



Wi-Fi Protected Setup Button After initial setup, if you have client devices, such as wireless printers, that support Wi-Fi Protected Setup, then you can use Wi-Fi Protected Setup to automatically configure wireless security for your wireless network. To use Wi-Fi Protected Setup, refer to "**Using Wi-Fi Protected Setup**" on page 7.

Bottom



Ethernet (green) Using Ethernet cables (also called network cables), this Ethernet port connects Ethernet network devices to your wireless network.

The green light turns on when an Ethernet device is connected and active on this port. The light flashes when the extender is sending or receiving data over the Ethernet port.

How to install the range extender

1. Insert the *Setup CD* into a computer that is connected to the network router. You will need to be near the router or access point and have access to a networked computer.

IMPORTANT

Set up the extender close to the computer and router to ensure a strong wireless signal. You can move it to a different location later.

2. When the *Setup* utility starts, read the license terms, then click **Next**. You are prompted to plug your extender into an electrical outlet.



3. Connect your extender to an AC power outlet. Your extender searches for wireless networks. The list of networks is displayed.

4. Select the network to use, then click **Next**.



5. Type your network's password, then click **OK**.

- OR -

If your network is hidden (your router does not broadcast its name), click **My network is hidden**, enter your network's information, then click **OK**.



6. Click **Next**. Your extender is set up, and you are prompted to move the extender to its final location.



TIP

For best performance, position the extender where the wireless signal of your router or access point is reliably strong (at least 60% strength).



7. Move the extender to its primary location, then click **Next**. Your router tests the wireless connection to your relocated extender and prompts you if it needs further adjustment.



TIP

You can also connect the range extender by using Wi-Fi Protected Setup. For more information, see ["Using Wi-Fi Protected Setup"](#) on page 7.

How to change the power plug configuration

You can connect the extender's built-in power plug directly to a wall power outlet. For a desktop or table-top setup, you can also remove the built-in plug and use an AC cable instead.

To attach the AC power plug:

1. Press the plug release latch, then slide the AC plug off the extender.



2. Slide the dip cover into the slot that held the AC plug, then connect the AC cable to the power connector.



How to access the browser-based utility

After setting up the extender with the setup software (located on the CD), the extender will be ready for use. If you would like to change its advanced settings, use the extender's browser-based utility.

If the extender has not been set up yet

Using a wired computer:

1. Use the included Ethernet (network) cable to connect your extender to your computer.
2. Open a web browser. If you have defined a default startup page in your browser, the extender's *User Name and Password* dialog box automatically opens. If your browser's home or default page is blank, enter any valid web address and the extender's *User Name and Password* dialog box opens.



3. Leave the **User Name** blank, then enter the default password **admin**.
4. Click **OK**. You are logged into your extender's browser-based utility.

Using a wireless computer:

1. Locate the extender's wireless network name (SSID). The extender comes with a pre-configured SSID showing as *LinksysExtenderxxxxx* in the wireless site survey of your computer, with *xxxxxx* being the last five digits of your extender's serial number.
2. Connect your computer to the extender's wireless network. Refer to your computer's operating system documentation or online help for instructions.
3. Open a web browser. If you have defined a default startup page in your browser, the extender's *User Name and Password* dialog box automatically opens. If your browser's home or default page is blank, enter any valid web address and the extender's *User Name and Password* dialog box opens.



4. Leave the **User Name** blank, then enter the default password **admin**.
5. Click **OK**. You are logged into your extender's browser-based utility.

If the extender has already been set up

On a Microsoft Windows XP computer:

TIP

To follow these instructions, UPnP needs to be enabled in Windows XP. **To enable UPnP:**

1. Click **Start, Control Panel, Add or Remove Program**, then click **Add/Remove Windows Components**.
2. Select **Network Services**, then click **Details**.
3. Select **UPnP User Interface**, then click **OK**.

1. Open Windows Explorer, then click **My Network Places** on the left panel. The **RE1000/RE2000** icon appears on the right panel. (You might be required to change the firewall settings to allow the display of networked computers. Refer to your operating system's help for instructions.)
2. Double-click the **RE1000/RE2000** icon. Your web browser opens and you are prompted for your **User Name** and **Password**.
3. Leave the **User Name** field blank, then enter the password you created during Setup.
4. Click **OK**.

On a Microsoft Windows 8, Windows 7, or Vista computer:

1. Open Windows Explorer (File Explorer in Windows 8), then click **Network**. The **RE1000/RE2000** icon appears on the right panel. (You might be required to change the firewall settings to allow the display of networked computers. Refer to your operating system's help for instructions.)
2. Right-click the **RE1000/RE2000** icon, then click **Properties**. Click on the address link in **Device webpage**. Your web browser opens, and you are asked for a **User Name** and **Password**.
3. Leave the **User Name** blank, and enter the password you have created.
4. Click **OK**.

On a Mac OS X computer:

Every Mac computer has Bonjour networking technology, which a Mac uses to communicate with basic devices such as cell phones and iPods.

1. Open **Safari**, click the book icon, then click **Bonjour** on the left panel. The **RE1000/RE2000** icon appears on the bottom right panel.
2. Double-click the **RE1000/RE2000** icon. You are asked for a **User Name** and **Password**.
3. Leave the **User Name** blank, and enter the password you have created.
4. Click **OK**.

How to use the browser-based utility

If you change any settings on a screen, you must click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes. These controls are located at the bottom of each screen. Click **Help** on the right side of the screen for additional information on the screen's options.



Using Wi-Fi Protected Setup

Wi-Fi Protected Setup™ makes it easy to connect your extender to your network, then connect other devices to your network through the extender.

Wi-Fi Protected Setup light activity

- When the Wi-Fi Protected Setup process is active, the light flashes slowly. When the Wi-Fi Protected Setup is successful, the light is continuously lit.
- If there is an error, the light flashes quickly for two minutes; please wait and try again.
- Wait until the light is continuously lit before starting the next Wi-Fi Protected Setup session.

Connecting the extender to an existing access point

If your access point or router supports it, you can use Wi-Fi Protected Setup to connect the range extender to the access point or router. Choose from the setup methods below to connect the extender.

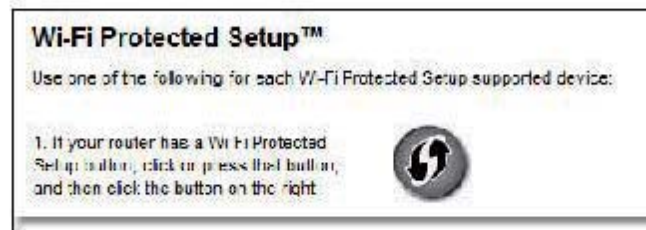
NOTE

If you have an access point or a router that do not support Wi-Fi Protected Setup, note the wireless settings, and then manually configure the extender.



Connecting with the Wi-Fi Protected Setup Button

Use this method if your router or access point has a Wi-Fi Protected Setup button.



1. Click or press the **Wi-Fi Protected Setup** button on the extender.
2. Click the **Wi-Fi Protected Setup** button on the router's *Wi-Fi Protected Setup* screen (if available), OR press and hold the Wi-Fi Protected Setup button on the router for one second. When the connection is complete, the Wi-Fi Protected Setup light on the extender is continuously lit.
3. If you used the extender's *Wi-Fi Protected Setup* screen, click **OK** in that screen within two minutes.

Connecting with the range extender's PIN

The Wi-Fi Protected Setup PIN (Personal Identification Number) can be found on the product label of the extender. You can use this method only if your router's administration utility has a Wi-Fi Protected Setup menu.

2. If your router asks for the client's PIN number, enter this number **14727033** in your router device.

1. Enter the extender's PIN into the appropriate field on the router's *Wi-Fi Protected Setup* screen, then click **Register**. When the connection is complete, the Wi-Fi Protected Setup light on the extender is continuously lit.
2. Click **OK**.

Connecting devices to your network through the extender

If you have network devices, such as wireless printers, that support Wi-Fi Protected Setup, then you can use Wi-Fi Protected Setup to connect them to your wireless network. Choose from the methods below to connect the device to your network.



NOTE

Wi-Fi Protected Setup configures only one client device at a time. Repeat the instructions for each client device that supports Wi-Fi Protected Setup.

Connecting with the Wi-Fi Protected Setup Button

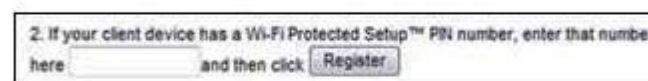
Use this method if your client device has a Wi-Fi Protected Setup button.



1. Click or press the **Wi-Fi Protected Setup** button on the client device.
2. Click the **Wi-Fi Protected Setup** button on the extender's *Wi-Fi Protected Setup* screen, OR press and hold the Wi-Fi Protected Setup button on the top panel of the extender for one second. When the connection is complete, the Wi-Fi Protected Setup light on the extender is continuously lit.
3. Click **OK** on the extender's *Wi-Fi Protected Setup* screen within two minutes.

Connecting with the client device's PIN

Use this method if your client device has a Wi-Fi Protected Setup PIN (Personal Identification Number).



1. Enter the PIN from the client device in the field on the extender's *Wi-Fi Protected Setup* screen.
2. Click **Register** on the extender's *Wi-Fi Protected Setup* screen. When the connection is complete, the Wi-Fi Protected Setup light on the extender is continuously lit.
3. Click **OK** on the extender's *Wi-Fi Protected Setup* screen within two minutes.

Connecting with the extender's PIN

Use this method if your client device asks for the extender's PIN.

3. If your client asks for the Router's PIN number, enter this number **76201196** in your client device.

1. On the client device, enter the PIN listed on the extender's *Wi-Fi Protected Setup* screen. (It is also listed on the bottom of the extender.) When the connection is complete, the *Wi-Fi Protected Setup* light on the extender is continuously lit.
2. Click **OK** on the extender's *Wi-Fi Protected Setup* screen within two minutes.

TIP

If you have client devices that do not support Wi-Fi Protected Setup, note the wireless settings, and then manually configure those client devices.

How to use Site Survey

The Site Survey gives a snapshot of all neighboring access points and wireless routers within range of the extender.

To open the Site Survey page:

1. Log into the browser-based utility (see "How to access the browser-based utility" on page 5).
2. Click the **Wireless** tab, then click the **Site Survey** page.

Select—To connect to a wireless network, click the button next to the wireless network name (SSID) in the *Select* column, then click **Connect**.

SSID—Displays the name of neighboring wireless networks.

GHz—Displays the radio band (in GHz) of the neighboring wireless networks. (This column is available only with the RE2000.)

Signal Strength—Displays the relative position of the neighboring APs by indicating the power of the wireless signal received: 1 bar=20%, 2 bars=40%, 3 bars=60%, 4 bars=80%, 5 bars=100%. If no bars is displayed, the extender is located too far away from the upstream AP. Try to keep the signal strength between 60% and 100% for optimum performance. A careful site survey will help in keeping this value within acceptable range to benefit from optimum performance.

Security—Displays the mode of security in use by the neighboring APs. If a network supports Wi-Fi Protected Setup, the Wi-Fi Protected Setup icon is also displayed.



To associate your extender with your known access point or router:

1. Make a note of the SSID and the security passphrase that your access point or wireless router is actually configured with. This information will be useful to carry on setup after the site survey is done.
2. Select the network name (SSID) that you want to repeat with your extender by clicking the corresponding button in the **Select** column.
3. Click **Connect**. You are prompted for the passphrase used to secure your wireless network. The type of security information required in this screen needs to match your access point or router's wireless security settings.



4. Enter the passphrase, then click **Save Settings**. Your extender wireless parameters should be configured. The wireless interface restarts, and the extender associates with the access point or router you have chosen.

Troubleshooting

NOTE

Your RE1000 works only on the 2.4 GHz network and cannot be used on a 5 GHz network. Your RE2000 works on either a 2.4 GHz or 5 GHz network.

You cannot get your extender connected

Check the position of your router and extender

- For first-time setup, you may need to place the extender closer to the router. After you've set up your extender, you can unplug it and move it to the final location.
- To reduce signal obstructions, you can try alternate locations for the router and extender.
- Avoid placing the router and extender near metal objects, masonry walls, and reflective surfaces such as glass or mirrors.
- Avoid placing the router and extender near other electronics that may be causing signal interference.

**If you're using Wi-Fi Protected Setup to connect**

- Wait until the Wi-Fi Protected Setup indicator stops blinking before trying to make the connection again.

You cannot access your range extender

To access your range extender, you must be connected to your own network. If you currently have wireless Internet access, the problem may be that you have accidentally connected to a different wireless network.

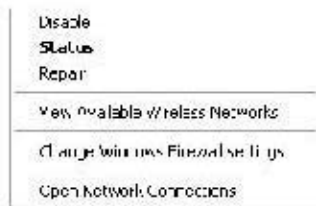
For Mac instructions, see ["To fix the problem on Mac computers:"](#) on page 12.

To fix the problem on Windows computers:

1. On your Windows desktop, right-click the wireless icon in the system tray.



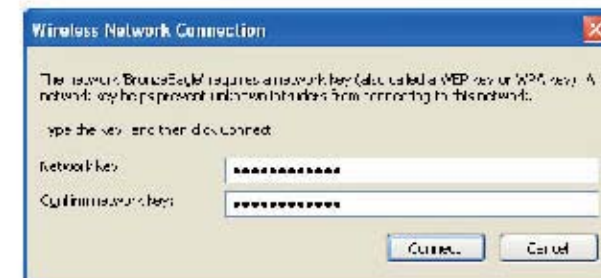
2. Click **View Available Wireless Networks**. A list of available networks appears.



3. Click your own network name, then click **Connect**. In the example below, the computer was connected to another wireless network named *JimsRouter*. The name of the correct network, *BronzeEagle* in this example, is shown selected.



4. If you are prompted to enter a network key, type your password (Security Key) into the **Network key** and **Confirm network key** fields, then click **Connect**.



Your computer connects to the network, and you should now be able to access the range extender's browser-based utility.

To fix the problem on Mac computers:

1. In the menu bar across the top of the screen, click the **AirPort** icon. A list of wireless networks appears. Cisco Connect has automatically assigned your network a name.

In the example below, the computer was connected to another wireless network named *JimsRouter*. The name of the Linksys E-Series network, *BronzeEagle* in this example, is shown selected.



2. Click the wireless network name of the router your range extender is connected to.
3. Type your wireless network password (Security Key) into the **Password** field, then click **OK**.



Your computer connects to the network, and you should now be able to access the range extender's browser-based utility.

You have intermittent connection problems

When you position your range extender, place it in a location where the signal strength can be kept between 60% and 100% for optimum performance.

RE4000W

Model Name	Linksys RE4000W
Model Description	Dual-band Wireless-N Range Extender
Model Number	RE2000
Standards	IEEE 802.11a, 802.11n, 802.11g, 802.11b, 802.3u
Ports	Fast Ethernet, C7 connector for localized AC cable or clip
Buttons	Reset, Wi-Fi Protected Setup™, Power (European model only)
LEDs	Power/Wi-Fi Protected Setup, Ethernet (link, activity)
Cabling Type	CAT 5e
Antennas	2 (internal)
Detachable (y/n)	No
Wireless Security	Wi-Fi Protected Access™ 2 (WPA2), Wi-Fi Protected Access™ (WPA), WEP
Security Key Bits	Up to 128-bit encryption

Environmental

Dimensions	4.92" x 3.62" x 1.29" (125 x 92 x 33 mm)
Weight	5.4 oz (152 g)
Power	Internal AC/DC power supply 100-240V, 50/60Hz, 0.5A
Certification	FCC, UL/cUL, ICES-003, RSS210, CE, Wi-Fi (IEEE 802.11a/b/g/n), WPA2™, WMM®, Wi-Fi Protected Setup™
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Operating Humidity	10 to 80% noncondensing
Storage Humidity	5 to 90% noncondensing

Specifications are subject to change without notice.

Visit linksys.com/support for award-winning 24/7 technical support.

Linksys RE4000W

Regulatory Information



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Wireless Regulatory Information

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

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

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.

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

For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules. Radiation Exposure Statement:

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

FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

Safety Notices



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



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



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

Safety Guidelines



WARNING: Use the following safety guidelines to ensure your own personal safety and to help protect your product from potential damage. To reduce the risk of bodily injury, electrical shock, fire, and damage to the equipment, observe the following precautions.

- Do not service this product except as explained in your system documentation.
- If any of the following conditions occur, unplug the product from the electrical outlet and replace the part or contact your service provider/retailer:
 - The power cable or plug is damaged.
 - An object has fallen into the product.
 - The product has been exposed to water.
 - The product has been dropped or damaged.
 - The product does not operate correctly when you follow the operating instructions.
- Keep your system away from radiators and heat sources.
- Install product in a manner and location to ensure ventilation openings are not blocked.
- Do not spill food or liquids on your system components, and never operate the product in a wet environment. If the system gets wet, contact your service provider/retailer.
- Do not push any objects into the openings of your system. Doing so can cause fire or electric shock by shorting out interior components.
- Operate the product only from the type of external power source indicated on the electrical ratings label.

- Be sure that attached devices are electrically rated to operate with the power available in your location.
- Position system cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.
- Do not modify power cables or plugs.
- Always follow your local and national wiring rules.

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

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

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.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Avis d'Industrie Canada concernant l'exposition aux radiofréquences

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

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

Restrictions dans la bande 5 GHz

L'appareil pour la bande de 5150 à 5250 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.

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.

Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Declaration of Conformity with Regard to EU Directive 1999/5/EC (R&TTE Directive)

Compliance Information for Cisco Consumer Products (5 GHz) Relevant to the European Union and Other Countries Following the EU Directive 1999/5/EC (R&TTE Directive)

Български [Bulgarian]:	Това оборудване отговаря на съществените изисквания и приложими клаузи на Директива 1999/5/EC.
Česky [Czech]:	Toto zařízení je v souladu se základními požadavky a ostatními odpovídajícími ustanoveními Směrnice 1999/5/EC.
Dansk [Danish]:	Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Deutsch [German]:	Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.
Eesti [Estonian]:	See seade vastab direktiivi 1999/5/EÜ olulistele nõuetele ja teistele asjakohastele sätetele.
English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]:	Este equipo cumple con los requisitos esenciales así como con otras disposiciones de la Directiva 1999/5/CE.
Ελληνική [Greek]:	Αυτός ο εξοπλισμός είναι σε συμμόρφωση με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EC.
Français [French]:	Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC.
Íslenska [Icelandic]:	Þetta tæki er samkvæmt grunnkröfum og öðrum viðeigandi ákvæðum Tilskipunar 1999/5/EC.

Italiano [Italian]:	Questo apparato è conforme ai requisiti essenziali e agli altri principi sanciti dalla Direttiva 1999/5/CE.
Latviski [Latvian]:	Šī iekārta atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]:	Šis įrenginys tenkina 1999/5/EB Direktyvos esminius reikalavimus ir kitas šios direktyvos nuostatas.
Nederlands [Dutch]:	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.
Malti [Maltese]:	Dan l-apparat huwa konformi mal-htigiet essenzjali u l-provedimenti l-oħra rilevanti tad-Direttiva 1999/5/EC.
Magyar [Hungarian]:	Ez a készülék teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
Norsk [Norwegian]:	Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.
Polski [Polish]:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE: 1999/5/EC.
Português [Portuguese]:	Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
Română [Romanian]:	Acest echipament este în conformitate cu cerințele esențiale și cu alte prevederi relevante ale Directivei 1999/5/EC.
Slovensko [Slovenian]:	Ta naprava je skladna z bistvenimi zahtevami in ostalimi relevantnimi pogoji Direktive 1999/5/EC.
Slovensky [Slovak]:	Toto zariadenie je v zhode so základnými požiadavkami a inými príslušnými nariadeniami direktív: 1999/5/EC.
Suomi [Finnish]:	Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
Svenska [Swedish]:	Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i Direktiv 1999/5/EC.

For all products, the Declaration of Conformity (DofC) is available through one or more of these options:

- A pdf file is included on the product's CD.

- A print copy is included with the product.
- A pdf file is available on the product's webpage. Visit <http://home.cisco.com/wireless> and select your country or region. Then select your product.

If you need any other technical documentation, see the "Technical Documents on <http://home.cisco.com/wireless>" section, as shown later in this document.

Wireless Equipment (Wireless -AC Product)

The following standards were applied during the assessment of the product against the requirements of the Directive 1999/5/EC:

- Radio: EN 300 328 and/or EN 301 893 as applicable
- EMC: EN 301 489-1, EN 301 489-17
- Safety: EN 60950-1 and either EN 50385 or EN 50371

For this Cisco Wireless -AC product, the following CE mark and class 2 identifier are added to the equipment:



National Restrictions

This product may be used in all EU countries (and other countries following the EU directive 1999/5/EC) without any limitation except for the countries mentioned below:

Ce produit peut être utilisé dans tous les pays de l'UE (et dans tous les pays ayant transposés la directive 1999/5/CE) sans aucune limitation, excepté pour les pays mentionnés ci-dessous:

Questo prodotto è utilizzabile in tutti i paesi EU (e in tutti gli altri paesi che seguono le direttive EU 1999/5/EC) senza nessuna limitazione, eccetto per i paesi menzionati di seguito:

Das Produkt kann in allen EU Staaten ohne Einschränkungen eingesetzt werden (sowie in anderen Staaten die der EU Direktive 1999/5/CE folgen) mit Ausnahme der folgenden aufgeführten Staaten:

In the EU and other European countries, the 5 GHz band has been made available for the use of wireless local area networks (LAN). The *Overview of Regulatory Requirements for Wireless LANs* table provides an overview of the regulatory requirements applicable for the 5 GHz band.

Later in this document you will find an overview of countries in which additional restrictions or requirements or both are applicable.

The requirements for any country may evolve. Cisco Consumer Products recommends that you check with the local authorities for the latest status of their national regulations for the 5 GHz wireless LAN.

Overview of Regulatory Requirements for Wireless LANs

Frequency Band (MHz) [†]	Max Power Level (EIRP) (mW)	Indoor ONLY	Indoor & Outdoor
5150-5350 [†]	200	X	
5470-5725	1000		X

[†]Dual band versions which can also operate in the 5 GHz band are limited to only operate within the band 5150-5250 MHz and as such are restricted to indoor use only (except Denmark).

The following countries have restrictions and/or requirements in addition to those given in the *Overview of Regulatory Requirements for Wireless LANs* table:

Denmark

In Denmark, the band 5150 - 5350 MHz is also allowed for outdoor usage.

I Danmark må frekvensbåndet 5150 - 5350 også anvendes udendørs.

Italy

This product meets the National Radio Interface and the requirements specified in the National Frequency Allocation Table for Italy.

Questo prodotto è conforme alle specifiche di Interfaccia Radio Nazionale e rispetta il Piano Nazionale di ripartizione delle frequenze in Italia.

Notes:

1. Although Norway, Switzerland and Liechtenstein are not EU member states, the EU Directive 1999/5/EC has also been implemented in those countries.
2. The regulatory limits for maximum output power are specified in EIRP. The EIRP level of a device can be calculated by adding the gain of the antenna used (specified in dBi) to the output power available at the connector (specified in dBm).

Product Usage Restrictions

This product is designed for indoor usage only. Outdoor usage is not recommended, unless otherwise noted.

Third-Party Software or Firmware

The use of software or firmware not supported/provided by Cisco Consumer Products may result that the equipment is no longer compliant with the regulatory requirements.

Technical Documents on www.myciscohome.com

Follow these steps to access technical documents:

1. Enter www.myciscohome.com in your web browser.
2. Click **Change your location**, and select the country or region in which you live.
3. Click the **Products** tab.
4. Select the appropriate product category.
5. Select the product sub-category, if necessary.
6. Select the product.

7. Select the type of documentation you want from the *More Information* section. The document will open in PDF format if you have Adobe Reader installed on your computer.