



# **WatchGuard AP AP102**

## **Hardware Guide**

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Printed in the United States of America.

Part Number: 275-4827-001 Rev F

Revised: February 4, 2016

U.S. Patent Nos. 6,493,752; 6,597,661; D473,879. Other Patents Pending.

Complete copyright, trademark, patent, and licensing information can be found in the WatchGuard product documentation. You can find this document online at:

<http://www.watchguard.com/wgrd-help/documentation/overview>

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## ABOUT WATCHGUARD

WatchGuard® Technologies, Inc. is a global leader of integrated, multi-function business security solutions that intelligently combine industry standard hardware, best-of-breed security features, and policy-based management tools. WatchGuard provides easy-to-use, but enterprise-powerful protection to hundreds of thousands of businesses worldwide. WatchGuard is headquartered in Seattle, Wash. with offices throughout North America, Europe, Asia Pacific, and Latin America.

To learn more, visit [WatchGuard.com](http://WatchGuard.com).

### ADDRESS

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### SUPPORT

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### SALES

U.S. and Canada +1.800.734.9905  
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# Hardware Specifications

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The WatchGuard® AP family of wireless access points provide secure, reliable, wireless communications while delivering high performance and broad coverage—a perfect combination of services to meet the needs of enterprise-level customers, small businesses, branch offices, campuses, and hotels alike.

WatchGuard AP102 devices feature 2x2 MIMO (Multiple Input Multiple Output) capability and 802.11 a/b/g/n wireless coverage and operate on either the 2.4GHz (b/g/n) or 5GHz (a/n) spectrum, to provide enhanced reliability and performance. Internal antennas, a water-resistant case, minimalist labeling, and small LEDs make this device ideal for low profile deployment in an indoor or outdoor environment. Power is provided via an optional PoE injector or optional AC adapter.

The WatchGuard AP device is managed and controlled directly from a WatchGuard Firebox or XTM device to provide centralized, secure management and configuration of all WatchGuard wireless devices on your network.



This Hardware Guide applies to the WatchGuard AP102. If your WatchGuard AP device has a different model number, your hardware is described in the WatchGuard AP Hardware Guide for that model.

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## Requirements

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The WatchGuard AP102 device must be managed by a WatchGuard Firebox or XTM device that uses Fireware XTM OS v11.8.3 or higher.

See the AP102 Quick Start Guide or the WatchGuard System Manager help for information about how to use your XTM device to manage your WatchGuard AP device.

## Package Contents

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- WatchGuard AP device
- Quick Start Guide
- Mounting kit

## About Your Hardware

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### Hardware Specifications

|                                      |   |
|--------------------------------------|---|
| <b>MCU Processor</b>                 | Atheros AR9344 533MHz   |
| <b>Memory: Flash</b>                 | 16 MB   |
| <b>Memory: RAM</b>                   | 128 MB (64 MB x 2)  |
| <b>Radio</b>                         | (Radio 1) Atheros AR9344 for switchable 2.4Ghz/5GHz   |
| <b>Gigabit Physical Layer (PHY)</b>  | Atheros AR8035  |
| <b>Radio Type and Frequency Band</b> | 2.4GHz, 802.11b/g/n<br>5GHz, 802.11a/n<br>300 Mbps data rate  |
| <b>Antenna</b>                       | Modular High Efficiency PIFA Antenna<br>Peak Gain:<br>2.4 to 2.5GHz / 3dBi<br>5.150-5.875GHz / 4dBi |
| <b>Ethernet interface</b>            | 1 RJ45 connector for 10/100/1000 Gigabit Ethernet   |
| <b>Power supply</b>                  | 12VDC 1.25A (not included)  |

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## Environmental Requirements

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To safely install your WatchGuard AP device, we recommend that you:

- Install the device indoors or outdoors, preferably under cover.
- Make sure the device has adequate clearance for air flow and cooling.
- Connect the device to a surge-protected power source to prevent damage from sudden power changes.

Other environmental requirements:

|                                 |   |
|---------------------------------|---|
| Operating temperature           | -4 to 131°F (-20 to 55°C)   |
| Operating relative humidity     | 5% to 90% Non-condensing  |
| Non-operating temperature       | -40 to 158°F (-40 to 70°C)  |
| Non-operating relative humidity | 5% to 90% Non-condensing  |
| IP Rating                       | IP66 — Device is certified to be dust tight and protected against jets of water |

# Hardware Description

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## Device Connections and Buttons

### Ethernet Network Interface

Standard RJ45 connector that supports link speeds of 10/100/1000 Mbps.

### Power Input

If you use the optional 12V AC adapter, connect the AC adapter to the device and to a power source. Use only the WatchGuard AC power adapter for this AP device model.

If you use a PoE adapter other than the optional PoE adapter from WatchGuard, make sure that it complies with the IEEE 802.3af/at PoE specifications.

### Reset Button

Resets the WatchGuard AP device to factory-default settings. You must use a paper clip or other small object to press the reset button through the small hole on the top of the device. The reset button functions differently based on the version of AP device firmware the device uses.

#### For an AP device that uses AP device firmware 1.2.9.2 or higher

- To reset the device to factory-default settings, with the AP device powered on, press and hold the reset button for at least five seconds. After you reset the device, the Power/Status light flashes Amber and Green to indicate that the AP device is not paired to a Firebox or XTM device.
- To reboot the device, but not reset it to factory-default settings, press the reset button briefly (less than 5 seconds).

#### For an AP device that uses AP device firmware 1.2.9.1 or lower

- To reset the device to factory-default settings, with the AP device powered on, press and hold the reset button for at least 12 seconds.

You can see the current AP device firmware version in the Gateway Wireless Controller on the Firebox or XTM device that manages the AP device.

## Device Indicators

The top of the AP device has three status indicators.



| Indicator           | Indicator color          | Interface Status                        |
|---------------------|--------------------------|---|
| <b>Wireless</b>     | Not lit                  | Wireless off or disabled                |
|                     | Amber                    | 2.4GHz and 5GHz wireless network active |
|                     | Amber flashing           | Transmitting and receiving data         |
|                     | Green                    | 5GHz wireless network active            |
|                     | Green flashing           | Transmitting and receiving data         |
|                     | Red                      | 2.4GHz wireless network active          |
|                     | Red flashing             | Transmitting and receiving data         |
| <b>Ethernet</b>     | Not lit                  | No link or disabled                     |
|                     | Amber                    | Link speed at 10/100Mbps                |
|                     | Amber flashing           | Transmitting and receiving data         |
|                     | Green                    | Link speed at 1000Mbps (Gigabit)        |
|                     | Green flashing           | Transmitting and receiving data         |
| <b>Power/Status</b> | Not lit                  | No power                                |
|                     | Amber                    | Device booting                          |
|                     | Amber and Green flashing | Power on and ready to pair              |
|                     | Green                    | Power on and paired                     |

## Ethernet Power Injector

You can power the WatchGuard AP device with an optional Ethernet Power Injector. This Power over Ethernet (PoE) device allows you to power the WatchGuard AP device through an existing Ethernet connection. With this feature, you do not have to position your WatchGuard AP device near a power outlet.



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The Ethernet Power Injector provides 56V/15.4W power over a single 10/100 Ethernet port, and also includes region-specific plugs (US, EU, UK, AU) for connection to a wall outlet.

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This device complies with IEEE 802.3af /at PoE specifications. Do not use any PoE adapters that are not IEEE 802.3af/at compliant as they may damage your device.

This device is to be connected only to PoE networks without routing to the outside plant.

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## Connect the Ethernet Power Injector

To connect an Ethernet Power Injector to the WatchGuard AP device:

1. Attach a region-specific plug to the Ethernet Power Injector.
2. Plug the Ethernet Power Injector into an AC power source.
3. Connect a straight-through Ethernet cable from your network backbone (for example, a router, switch, or hub) to the **IN** connector on the Ethernet Power Injector.
4. Connect a straight-through Ethernet cable from the WatchGuard AP device Ethernet interface to the **OUT** connector on the Ethernet Power Injector.



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See the AP102 Quick Start Guide for detailed steps to remove the rear cover, and connect the Ethernet cable to the AP102 device.

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## Ethernet Power Injector Specifications

| Ethernet Power Injector              |   |
|--------------------------------------|---|
| <b>WatchGuard Part #</b>             | WG8568  |
| <b>Specification</b>                 | IEEE 802.3af/at   |
| <b>AC Input Voltage Rating</b>       | 100 to 240VAC   |
| <b>Output Voltage</b>                | 56V   |
| <b>Output Power</b>                  | 15.4W   |
| <b>PoE Power Class</b>               | 3   |
| <b>Ethernet Interfaces</b>           | In: RJ-45 for 10/100 Mbps<br>Out: RJ-45 for 10/100 Mbps and 56V DC<br>Voltage on pins 4-5 (+) and 7-8 (-).              |
| <b>Region-specific Adapter Plugs</b> | US, EU, UK, AU  |
| <b>Indicator</b>                     | Green — Valid PoE load detected and connected.<br>Flashing Green/Red — Invalid load connected.<br>Red — Fault detected. |
| <b>Temperature</b>                   | Operating 0 to +40°C<br>Storage -25 to +65°C  |
| <b>Humidity</b>                      | Operation 5 to 90%  |
| <b>Dimensions</b>                    | L = 80mm (3.15in)<br>W = 45mm (1.77in)<br>H = 33mm (1.29in)   |
| <b>Weight</b>                        | 95g (3.35oz.)   |

## AC Power Adapter

You can also power the WatchGuard AP device with an optional AC power adapter.

| AC Power Adapter         |             |
|--------------------------|-------------|
| <b>WatchGuard Part #</b> | WG8575      |
| <b>Output Voltage</b>    | 12VDC 1.25A |

Use only the WatchGuard AC power adapter for this AP device model.

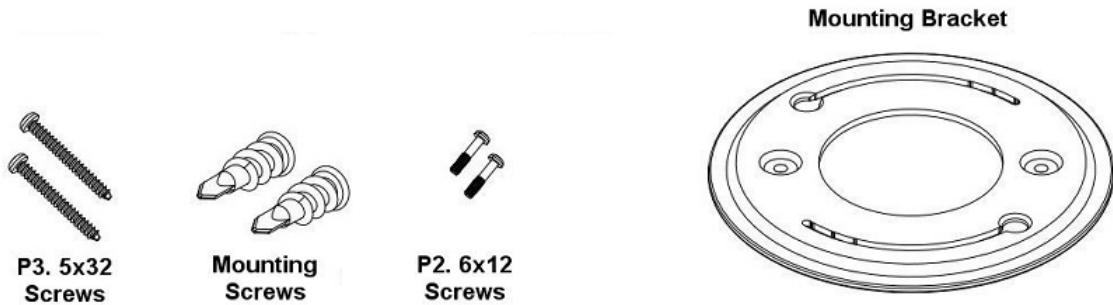


See the AP102 Quick Start Guide for detailed steps to remove the rear cover, and connect the power adapter to the AP102 device.

## Mounting Instructions

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All the items necessary to mount your WatchGuard AP device to a ceiling or wall are included in the mounting kit.



To mount an AP102 device to a ceiling or wall:

1. Position the mounting bracket on the wall or ceiling where you want to install the WatchGuard AP device.
2. Use the mounting bracket as a guide to mark the position of the WatchGuard AP device on the wall or ceiling.
3. Remove the mounting bracket and insert the large mounting screws into the marks you made on the ceiling or wall.
4. Insert the long 5x32 screws through the bracket and into the mounting screws.
5. Insert the short 6x12 screws partway into the bottom of the device. Do not tighten the screws completely. Keep the heads of the screws exposed to attach the device to the mounting bracket.
6. To attach the device to the mounting bracket, insert the screw heads from the device into the slots in the mounting bracket, and rotate the device clockwise to lock the device in place.

You can also mount the WatchGuard AP device on a pole, with the optional pole mount kit.

## Safety Notices

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All WatchGuard products are designed and tested to meet strict safety requirements. These requirements include product safety approvals and other global compliance standards. Read these instructions carefully before you operate the product, and refer to them as needed for continued safe operation of your product.

### Product Safety Certification

The WatchGuard product is safety certified under the following standards:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-22 1st Edition
- UL 60950-1:2007 R12.11
- EN 60950-1:2006+A11+A1+A12 (2nd Edition)
- EN 60950-22:2006 (Annex D.2 & D.3) Gasket and O-ring must be properly installed

### Safety Warning

- Do not place objects on the power cord.
- Do not obstruct the ventilation openings. These openings prevent overheating of the machine.
- Never push objects of any kind into slots or openings on this equipment. Making a contact with a voltage point or shorting out a part may result in fire or electrical shock.
- When removing or installing the device, follow the general installation safety instructions.

### Disclaimer

WatchGuard shall not be held liable if the end user alters, modifies, or repairs any WatchGuard hardware appliance.

## HINWEISE ZUR SICHERHEIT

Alle WatchGuard Produkte werden entwickelt und getestet, um strenge Sicherheitsanforderungen zu erfüllen. Diese Anforderungen umfassen Produktsicherheit Zulassungen und andere globale Compliance-Standards. Bitte lesen Sie die folgenden Anweisungen sorgfältig, bevor Sie das Produkt, und bezeichnen sie als notwendig, um den sicheren Betrieb des Geräts zu gewährleisten. Weitere Informationen finden Sie in der elektronischen Hardware Guide.

Die WatchGuard Produkt ist Sicherheit unter den folgenden Normen zertifiziert:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-22 1st Edition (AP102 only)
- UL 60950-1:2007 R12.11
- EN 60950-1:2006+A11+A1+A12 (2nd Edition)
- EN 60950-22:2006 (Anbau D.2 & D.3) Dichtung und O-Ring muss richtig installiert

Sicherheitshinweis

- Legen Sie keine Gegenstände auf das Netzkabel.
- Verdecken Sie nicht die Lüftungsöffnungen. Diese Öffnungen verhindern eine Überhitzung der Maschine.
- Stecken Sie niemals Gegenstände jeglicher Art in die Schlitze oder Öffnungen des Geräts stecken. Der Kontakt mit einem spannungsführenden Punkt oder das Kurzschließen eines Bauteils kann zu einem Brand oder elektrischen Schlag führen.
- Beim Entfernen oder Installieren eines Gerätes, nach den allgemeinen Installation Sicherheitshinweise.

## AVISO DE SEGURIDAD

Todos los productos WatchGuard están diseñados y probados para satisfacer estrictos requisitos de seguridad. Estos requisitos incluyen la homologación de productos de seguridad y otras normas de cumplimiento global. Por favor, lea atentamente las siguientes instrucciones antes de utilizar el producto, y se refieren a ellos como sea necesario para garantizar el funcionamiento seguro y continuo de su producto. Información adicional se puede encontrar en la Guía del usuario electrónica.

Certificación de seguridad del producto

El producto tiene certificación de seguridad WatchGuard bajo las siguientes normas:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-22 1st Edition
- UL 60950-1:2007 R12.11
- EN 60950-1:2006+A11+A1+A12 (2nd Edition)
- EN 60950-22:2006 (Anexo D.2 & D.3) Junta y junta tórica deben estar instalados correctamente

Advertencia de seguridad

- No coloque objetos sobre el cable de alimentación.
- No obstruya las aberturas de ventilación. Estas aberturas evitan el sobrecalentamiento de la máquina.
- Nunca introduzca objetos de ningún tipo en las ranuras o aberturas del equipo. El contacto con puntos de voltaje o el cortocircuito de una pieza podría provocar un incendio o una descarga eléctrica.
- Al extraer o instalar un electrodoméstico, siga las instrucciones generales de instalación de seguridad.

# Legal and Regulatory Information

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## Limited Hardware Warranty

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This Limited Hardware Warranty (the “Warranty”) applies to the enclosed hardware product, not including any associated software, which is licensed pursuant to a separate end-user license agreement and warranty (the “Product”). BY USING THE PRODUCT, YOU (either an individual or a single entity) AGREE TO THE TERMS HEREOF. If you do not agree to these terms, please return this package, along with proof of purchase, to the authorized dealer from which you purchased it for a full refund. WatchGuard Technologies, Inc. (“WatchGuard”) and you agree as set forth below or on the reverse side of this card, as applicable:

1. LIMITED WARRANTY. WatchGuard warrants that upon delivery and for one (1) year thereafter (the “Warranty Period”): (a) the Product will be free from material defects in materials and workmanship, and (b) the Product, when properly installed and used for its intended purpose and in its intended operating environment, will perform substantially in accordance with WatchGuard applicable specifications.

This warranty does not apply to any Product that has been: (i) altered, repaired or modified by any party other than WatchGuard except for the replacement or inclusion of specified components authorized in, and performed in strict accordance with, documentation provided by WatchGuard; or (ii) damaged or destroyed by force majeure events, accidents, power spikes or similar events, or by any intentional, reckless or negligent acts or omissions of any party. You may have additional warranties with respect to the Product from the manufacturers of Product components. However, you agree not to look to WatchGuard for, and hereby release WatchGuard from any liability for, performance of, enforcement of, or damages or other relief on account of, any such warranties or any breach thereof.

2. REMEDIES. If any Product does not comply with the WatchGuard warranties set forth in Section 1 above, WatchGuard will, following the receipt of the product you claim is defective and at its option, either (a) repair the Product, or (b) replace the Product with a like or similar product; provided, that you will be responsible for returning the Product and for all costs of shipping and handling. Repair or replacement of the Product shall not extend the Warranty Period. Any Product, component, part or other item replaced by WatchGuard becomes the property of WatchGuard. WatchGuard shall not be responsible for return of or damage to any software, firmware, information or data contained in, stored on, or integrated with any returned Products.

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5. MISCELLANEOUS PROVISIONS. This Warranty will be governed by the laws of the state of Washington, U.S.A., without reference to its choice of law rules. The provisions of the 1980 United Nations Convention on Contracts for the International Sales of Goods, as amended, shall not apply. You agree not to directly or indirectly transfer the Product or use of the product or associated documentation to any country to which such transfer would be prohibited by the U.S. Export laws and regulations. If any provision of this Warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect and the invalid provision shall be modified or partially enforced to the maximum extent permitted by law to effectuate the purpose of this Warranty. This is the entire agreement between WatchGuard and you relating to the Product, and supersedes any prior purchase order, communications, advertising or representations concerning the Product AND BY USING THE PRODUCT YOU AGREE TO THESE TERMS. IF THE PRODUCT IS BEING USED BY AN ENTITY, THE INDIVIDUAL INDICATING AGREEMENT TO THESE TERMS BY USING THE PRODUCT REPRESENTS AND WARRANTS THAT (A) SUCH INDIVIDUAL IS DULY AUTHORIZED TO ACCEPT THE WARRANTY ON BEHALF OF THE ENTITY AND TO BIND THE ENTITY TO THE TERMS OF THIS WARRANTY; (B) THE ENTITY HAS THE FULL POWER, CORPORATE OR OTHERWISE, TO ENTER INTO THE WARRANTY AND PERFORM ITS OBLIGATIONS UNDER THE WARRANTY AND; (C) THE WARRANTY AND THE PERFORMANCE OF THE ENTITY'S OBLIGATIONS UNDER THE WARRANTY DO NOT VIOLATE ANY THIRD-PARTY AGREEMENT TO WHICH THE ENTITY IS A PARTY. No change or modification of the Warranty will be valid unless it is in writing and is signed by WatchGuard.

All WatchGuard products are designed and tested to meet strict safety requirements. These requirements include product safety approvals and other global compliance standards. Please read the following instructions carefully before operating the product, and refer to them as needed to ensure the continued safe operation of your product. Additional information can be found in the electronic Hardware Guide.

# Declaration of Conformity

## Declaration of Conformity

WatchGuard Technologies Inc. hereby declares that the product listed below conform to the European Union directives and standards identified in this declaration.

**Product:**

Wireless Access Point, WatchGuard Model AP102

**EU Directive(s):**

Radio & Telecommunications Terminal Equipment (1999/5/EC)  
 Low Voltage (2006/95/EC)  
 Electromagnetic Compatibility (2004/108/EC)  
 Energy-related Products (2009/125/EC)  
 RoHS (2002/95/EC)  
 WEEE Directive 2002/96/EC

**Common Standard(s):**

|                              |                           |
|------------------------------|---------------------------|
| EN 60950-1: 2006+A11+A1+A12  | Safety for ITE            |
| EN 60950-22:2006             | Outdoor safety for ITE    |
| EN 55022:2010+AC:2011        | Class B emissions for ITE |
| EN 55024:2010                | Immunity for ITE          |
| EN 61000-3-2:2006+A1+A2:2009 | Harmonics                 |
| EN 61000-3-3:2008            | Flicker                   |

**Wireless Standard(s):**

|                                |                                 |
|--------------------------------|---------------------------------|
| EN 301 489-01 v1.9.2 (2011-09) | EMC and Radio Spectrum Matters  |
| EN 301 489-17 v2.2.1 (2012-09) | EMC and Radio Spectrum Matters  |
| EN 300 328 v1.8.1 (2012-06)    | Radio Spectrum Matters          |
| EN 301 893 v1.7.1 (2012-06)    | Broadband Radio Access Networks |
| EN 50385:2002                  | Human Exposure to RF            |

**In accordance with the European Radio and Telecommunications Terminal Equipment (R&TTE), Directive (1999/5/EC).**

|  |  |
|--|--|
| Manufacturer / Hersteller:                   | WatchGuard Technologies, Inc.<br>505 5th Ave S. Suite 500, Seattle, WA 98104 USA |
| Radio Equipment / Funkanlage:                | Wireless Access Point  |
| Type Designation / Typenbezeichnung:         | AP102  |
| Specifications / Technische Daten:           | 802.11a,b,g,n (2.4Ghz & 5GHz)  |
| Intended Purpose / Verwendungszweck:         | Outdoor Access Point   |
| Equipment Class / Betriebsmittel der Klasse: | Class II   |

The above device complies with the essential requirements and other relevant provisions to Directive 1999/5/EC when used for its intended purpose. This equipment may be operated in the USA, Canada, & Europe Union.

2.412-2.484 GHz Indoor and Outdoor  
 5.250-5.725 GHz Indoor and Outdoor

**Warning!** This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**Achtung!** Dies ist ein Klasse B Produkt. In einer häuslichen Umgebung kann dieses Produkt Funkstörungen in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen zu ergreifen.



Signature  
 Full Name: Steve Zirschky  
 Position: Corporate Officer  
 Date: January 28, 2014



366-4805-001 Rev A

## FCC Certification

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### **Federal Communication Commission Interference Statement:**

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

### **IMPORTANT NOTE:**

#### **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 & your body.



## Industry Canada Certification

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This device complies with RSS-210 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.



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(i) high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

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(i) Les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

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## For Mobile Device Usage

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### **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.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

### **Europe – EU Declaration of Conformity**

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

EN60950-1 - Safety of Information Technology Equipment

EN50385 - Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)

EN 300 328 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EN 301 893 - Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

EN 301 489-1 - Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN 301 489-17 - Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

This device is a 5GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.





In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

## CE Notice



|                                       |   |
|---------------------------------------|---|
| <b>[cs]</b> Česky<br>[Czech]          | <i>WatchGuard</i> tímto prohlašuje, že tento <i>AP102</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.  |
| <b>[da]</b> Dansk<br>[Danish]         | Undertegnede <i>WatchGuard</i> erklærer herved, at følgende udstyr <i>AP102</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.  |
| <b>[de]</b> Deutsch<br>[German]       | Hiermit erklärt <i>WatchGuard</i> , dass sich das Gerät <i>AP102</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet. |
| <b>[et]</b> Eesti<br>[Estonian]       | Käesolevaga kinnitab <i>WatchGuard</i> seadme <i>AP102</i> vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.                            |
| <b>[en]</b> English                   | Hereby, <i>WatchGuard</i> , declares that this <i>AP102</i> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.  |
| <b>[es]</b> Español<br>[Spanish]      | Por medio de la presente <i>WatchGuard AP102</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.                                |
| <b>[el]</b> Ελληνική<br>[Greek]       | ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ <i>WatchGuard</i> ΔΗΛΩΝΕΙ ΟΤΙ <i>AP102</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.  |
| <b>[fr]</b> Français<br>[French]      | Par la présente <i>WatchGuard</i> déclare que l'appareil <i>AP102</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.                           |
| <b>[it]</b> Italiano<br>[Italian]     | Con la presente <i>WatchGuard</i> dichiara che questo <i>AP102</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.                          |
| <b>[lv]</b> Latviski<br>[Latvian]     | Ar šo <i>WatchGuard</i> deklarē, ka <i>AP102</i> atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.   |
| <b>[lt]</b> Lietuvių<br>[Lithuanian]  | Šiuo <i>WatchGuard</i> deklaruojama, kad šis <i>AP102</i> atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.   |
| <b>[nl]</b> Nederland<br>s [Dutch]    | Hierbij verklaart <i>WatchGuard</i> dat het toestel <i>AP102</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.                                 |
| <b>[mt]</b> Malti<br>[Maltese]        | Hawnhekk, <i>WatchGuard</i> , jiddikjara li dan <i>AP102</i> jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.                                   |
| <b>[hu]</b> Magyar<br>[Hungarian]     | Alulírott, <i>WatchGuard</i> nyilatkozom, hogy a <i>AP102</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.   |
| <b>[pl]</b> Polski<br>[Polish]        | Niniejszym <i>WatchGuard</i> oświadcza, że <i>AP102</i> jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.  |
| <b>[pt]</b> Português<br>[Portuguese] | <i>WatchGuard</i> declara que este <i>AP102</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.   |

|  |   |
|--|---|
|  Slovensko<br>[Slovenian] | <i>WatchGuard</i> izjavlja, da je ta AP102 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.   |
|  Slovensky<br>[Slovak]    | <i>WatchGuard</i> týmto vyhlasuje, že AP102 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.  |
|  Suomi<br>[Finnish]       | <i>WatchGuard</i> vakuuttaa täten että AP102 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.          |
|  Svenska<br>[Swedish]     | Härmed intygar <i>WatchGuard</i> att denna AP102 står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG. |

## R&TTE Compliance Statement

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This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

## RoHS Statement

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The member states of the European Union approved directive 2002/95/EC, Restrictions of Hazardous Substances (“RoHS directive”) that became valid on July 1, 2006. It states that all new electrical and electronic equipment put on the market within the member states must not contain certain hazardous materials. This device complies with the European Union’s RoHS2 directive 2011/65/EC and similar regulations that may be adopted by other countries for European Sales.

## WEEE Statement

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WEEE is a general set of requirements dictated in the EU Directive 2002/96/EC. This Directive mandated that member EU countries enact regulations governing the Waste of Electrical and Electronic Equipment (WEEE). The Directive, and its individual transpositions into specific country laws and legislation, is aimed at the reduction of WEEE through reuse, recovery, and recycling of WEEE.

WatchGuard is working in partnership with our European Union (EU) distribution partners to ensure that our products are in compliance with the WEEE statutes, and that the recovery of our product per the specific EU country legislative requirements is seamless for our product’s end users. If you have a WatchGuard product that is at its end of life and needs to be disposed of, please contact WatchGuard Customer Care Department at:

U.S. Customers: 877.232.3531

International Customers: +1.206.613.0456

WatchGuard is reasonably confident that our products do not contain any substances or hazardous materials presently banned by any legislation, and do not present a risk due to hazardous materials. WEEE recovery professionals should also note that these products do not have any materials that are of particular high value in their individual form.

## REACH Certificate of Compliance

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The new EU chemicals policy REACH (Registration, Evaluation, Authorization and restriction of Chemicals) came into effect on June 1, 2007. REACH is Europe's new chemicals legislation, which is applicable in all 27 EU Member States as well as the EFTA European Economic Area (EEA). REACH creates a new system for gathering information, assessing risks to human health and the environment, and authorizing or restricting the marketing and use of chemicals produced or supplied in the EEA. REACH has an impact on EEA producers and importers of finished products and users of chemicals in the course of industrial or professional activities.

WatchGuard supports the overall REACH objective of improving the protection of human health and the environment and will meet all applicable REACH requirements. WatchGuard is strongly committed to working with our customers and supply chain to define and implement the REACH requirements and ensure a smooth transition to compliance.

One of the REACH requirements is that manufacturers and importers have the duty to register substances they are producing or importing. In accordance with the regulations, the products of WatchGuard do not need to be registered for the following reasons:

- WatchGuard does not import more than 1 metric ton per year of a substance as defined by REACH.
- WatchGuard products are non-chemical products that are not designed to release any substance under normal and reasonably predictable application.
- Our products do not contain the listed substances at more than 0.1% by weight of the whole product/part.

## Brazil

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Este equipamento 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.

## France

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(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

## China

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### 低功率射频设备的管理办法

#### 第 12 条

对于那些低功率的无线电频率的设备已经获得了批准，公司，业务单位或用户不应该改变它的频率，增加它的力量，或改变其原有的特色和功能。

#### 第 14 条

低功率射频设备的操作的条件，没有造成有害干扰航空安全和认可的无线电台，如果造成干扰，用户必须立即停止操作设备，而无法再操作，直到产生有害干扰是明确的。

授权的无线电台站装置的无线通信服务的操作根据与传播法。

低功率射频设备的运行是受到认可的无线电台的操作所造成的干扰，另一种有意或无意的散热器，工业，科学和医疗（ISM）设备，或通过附带的散热器。

## VCCI Notice Class B ITE (Japan)

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## Korea

### 사용자안내문

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## Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones:

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2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su propia operación no deseada.

## Taiwan Class B Type Device

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