

Installing the ExtremeWireless 802.11 ac AP-7502 Wallplate

Overview of the AP-7502

The AP-7502 11ac Wireless Wallplate is designed to leverage the existing category 5/5e/6 cabling already in the walls of any enterprise building. Ideally suited for hotels, dormitory housing, and similar multi-tenant buildings, the AP-7502 provides high speed wireless LAN along with switched Ethernet and PoE output.

Note: The AP-7502 requires a minimum base firmware of 5.8.4.0-034R.

The AP-7502 model has the following features:

Table 1 AP-7502 Wallplate Specifications

Wireless Interface	Dual Radio; 802.11a/b/g/n/ac; 2.4 GHz and 5 GHz
WAN Interface	Auto-sensing 10/100/1000Mbps, Full/Half Duplex, with PoE receiving capability via RJ-45
LAN Interfaces	3 x IEEE 802.3 10/100Mb, auto-sensing via RJ-45
PoE Out	One FE port with 802.3af output based on 802.3 at input
Medium	DSSS, OFDM, MCS, HT
Network Standards	802.11 a/b/g/n/ac, 802.11d, 802.11i, WPA, WMM
PHY Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g/a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS 0-15 up to 300 Mbps 802.11ac: MCS 0-8 up to 867 Mbps
Operating Frequencies	802.11 operating frequencies: 2.4GHz @2400-2483.5 MHz, 5.2GHz @ 5150-5250 MHz and 5725-5850 MHz
Bluetooth LE	2400-2483.5 KHz in 2 MHz channels
Transmit Power	1dBm to 20dBm in 1dBm increments Actual transmit power is dependent upon national limits.
Antenna Configuration	2.4 GHz: 2 internal, 1x2, 2x2 MIMO, 5.8dBi peak gain 5 GHz: 2 internal, 1x2, 2x2, MIMO, 7.3dBi peak gain
Management	telnet, SSH, HTTP, HTTPS, SNMPv2/v3

Verifying the AP-7502 Box Contents

Verify the contents of the box and ensure that the following items are available:

Table 2 Contents of the AP-7502 Box

Quantity	Item
1	AP-7502 Quick Reference Guide
1	AP-7502 Wallplate

Installing the AP-7502

Electrical Hazard: Only qualified personnel should perform installation procedures.

Use these instructions as guidelines for mounting and connecting the AP-7502 easily and safely.

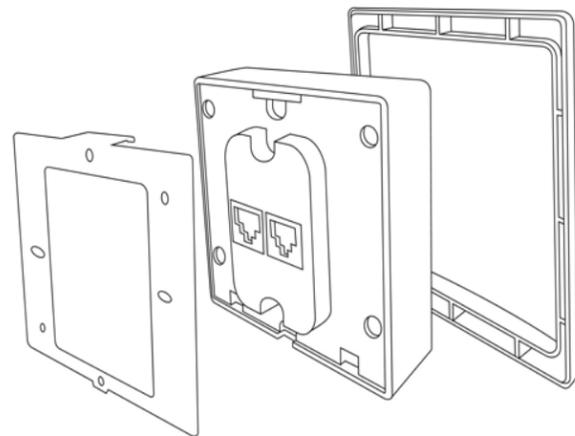
The AP-7502 wallplate can be installed over an existing structured wiring wallplate. When installing the wallplate over an existing 70mm x 115mm wallplate as is commonly found in North America, South America and Japan, install the decor facade (optional) only after the AP-7502 has been installed.

For installation videos of the AP, see www.extremenetworks.com/support/

To install the AP-7502 Wallplate:

- 1 Remove the existing wallplate.
- 2 Install the wallplate mounting bracket.

Figure 1 Installing the AP-7502 Wallplate



- 3 Attach the bottom of the wallplate to the mounting bracket and rotate the wallplate until it snaps onto the latch.
- 4 Install the security screw provided (optional).
- 5 If desired, install the decor facade.

Configuring the AP-7502 Wallplate

To provide the Access Point with a basic configuration and access WING management functions, open a browser and enter the IP address printed on the serial label on the Access Point: <https://<IP address of Access Point>>

Login to the system using the default username **admin** and password **admin123**

- 1 On the **Configuration -> Basic Settings** screen, enter the AP Name and Country Name.

AP Name:

Country Name:

Virtual Controller:

Timezone:

Date & Time: Hour: Mins: AM PM

NTP Server:

- 2 On the **Configuration -> Wireless** screen, enter the desired **Name, SSID, Security,** and **WPA2 Key** parameters.

Name:

Enable:

SSID: Client-To-Client Communication

Security: Open Secure-PSK Secure-802.1x Guest

Band: 2.4 GHz 5 GHz

VLAN: (1 - 4094)

Description:

WPA2 Key: Show ASCII HEX

Notice

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Documentation & Support

For product support, including documentation, visit: www.extremenetworks.com/support/

Regulatory and Compliance Information

This guide applies to Model Number AP-7502.

All Extreme Networks devices are designed to comply with the rules and regulations in the locations they are sold and are labeled as required.

Any changes or modifications to Extreme Networks equipment, not expressly approved by Extreme Networks, could void the user's authority to operate the equipment.

When Extreme Networks devices are professionally installed, the Radio Frequency Output Power will not exceed the maximum allowable limit for the country of operation.

Antennas: Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could cause damage and may violate regulations.

Declared maximum operating temperature: 40°C.

Safety Guidelines

This section contains notices that are intended to protect your personal safety and prevent damage to the equipment.

Qualified Personnel:

Electrical Hazard: Only qualified personnel should perform installation procedures. Within the context of the safety notes in this documentation, qualified persons are defined as persons who are authorized to commission, ground and label devices, systems, and circuits in accordance with established safety practices and standards. A qualified person understands the requirements and risks involved with installing outdoor electrical equipment in accordance with national codes.

Wireless Device Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved for use in the following countries: United States, Canada, Japan, China, S. Korea, Australia, and Europe.

Please refer to the Declaration of Conformity (DoC) for details of other country markings. This is available at: www.extremenetworks.com

Note: Europe includes, Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Caution: Operation of the device without regulatory approval is illegal.

Country Selection

Select only the country in which you are using the device. Any other selection will make the operation of this device illegal. Some Access Points are specifically designed to operate in certain countries (Example: -US for the United States, -EU for the European Union).

Frequency of Operation – FCC and IC

Industry Canada Statement:



Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-Channel mobile satellite systems. High power radars are allocated as primary users (meaning they have priority) over other frequencies and these could cause interference and/or damage to LE-LAN devices.



Caution: Attention: Le dispositif pour la bande 5150-5250 MHz est uniquement destiné à une utilisation en intérieur afin de réduire les Pour les brouillages préjudiciables aux systèmes de satellites mobiles co-canaux. Les radars haute puissance sont Alloués en tant qu'utilisateurs principaux (c'est-à-dire qu'ils ont la priorité) par rapport aux autres fréquences et qui pourraient causer des interférences et / ou endommager les dispositifs LE-LAN.

2.4 GHz Only

Available channels for 802.11bg operation in the US are 1 to 11. The range of channels is limited by firmware.



Warning: Warnings for Use of Wireless Devices.

Potentially Hazardous Atmospheres - Fixed Installations

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).

Health and Safety Recommendations

Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment. When installed adjacent to other equipment, it is advised to verify that the adjacent equipment is not adversely affected.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

- Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON.
- Should not carry the device in a breast pocket.
- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn OFF your device.

Other Medical Devices

Please consult your physician or the manufacturer of the medical device to determine if the operation of your wireless product may interfere with the medical device.

RF Exposure Guidelines

Safety Information

Reducing RF Exposure - Use Properly

Only operate the device in accordance with the instructions supplied.

International

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices.

Communications and Health

Europe

Remote and Standalone Antenna Configurations

To comply with EU RF exposure requirements, antennas that are mounted externally at remote locations or operating near users at stand-alone desktop of similar configurations must operate with a minimum separation distance of 25cm from all persons.

US and Canada

Co-located Statement

To satisfy US and Canadian RF exposure requirements, a transmitting device must operate with a minimum separation distance of 25cm or more from a person's body.

Pour satisfaire aux exigences Américaines et Canadiennes d'exposition aux radiofréquences, un dispositif de transmission doit fonctionner avec une distance de séparation minimale de 25cm ou plus de corps d'une personne.

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 25cm between the radiator and your body.

NOTE IMPORTANTE: (Pour l'utilisation de dispositifs mobiles)

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 25cm de distance entre la source de rayonnement et votre corps.

Remote and Standalone Antenna Configurations

To comply with FCC RF exposure requirements, antennas that are mounted externally at remote locations or operating near users at stand-alone desktop of similar configurations must operate with a minimum separation distance of 25cm from all persons.

Power Supply

This device must be powered from a 802.3af or 802.3at compliant power source which has been certified by the appropriate agencies, or by an approved UL LISTED ITE (IEC/EN 60950-1, LPS/SELV) power supply with electrical ratings: Output 12Vdc, min 0.83 A or 48 Vdc min 0.57 A (POE), with a recommended ambient temperature greater than 40 or better degrees C. Use of alternative power supply will invalidate any approvals given to this unit and may be dangerous.

Radio Frequency Interference Requirements—FCC

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.

Radio Transmitters (Part 15)

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.

Radio Frequency Interference Requirements - Canada

CAN ICES-3 (B)/NMB-3(B)

Radio Transmitters

For RLAN Devices:

The use of 5 GHz RLAN's, for use in Canada, have the following restrictions:

- Restricted Band 5.60 - 5.65 GHz

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

In accordance with the regulations of Industry Canada, this radio transmitter can operate with an antenna of a type and a maximum gain (or lower) approved for the transmitter by Industry Canada. With the aim of reducing the risk of radio interference to other users, the chosen antenna type and it gain should be selected so that the equivalent isotropically radiated power (e.i.r.p.) does not exceed the intensity necessary for the establishment of a satisfactory connection.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectriqueà l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire àl'établissement d'une communication satisfaisante.

This radio transmitter IC: 109AN-AP7502 has been approved by Industry Canada to operate with the antenna types listed below and having a maximum gain allowable and the impedance required for each type of antenna. The antenna types not included in this list, or whose gain is higher than the maximum gain indicates, are strictly prohibited for the operation of the transmitter.

Frequency	Type	Maximum Gain	Ohms
2.4G-1	PCB-Dipole	5.81 dBi	50
2.4G-2	PCB-Dipole	4.52 dBi	50
5G-3	PCB-Dipole	7.22 dBi	50
5G-4	PCB-Dipole	7.30 dBi	50
BT 2.4G-5	PCB-Dipole	4.74 dBi	50

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numérode modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal etl'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

CE Marking and European Economic Area (EEA)

Class B ITE

The use of 2.4GHz RLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz.
- Italy requires a user license for outside usage.

Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz.

Statement of Compliance

Extreme Networks hereby declares that this radio equipment is in compliance with Directive 2011/65/EU and 1999/5/EC or 2014/53/EU (2014/53/EU supersedes 1999/5/EC from 13th June 2017).

European Waste Electrical and Electronic Equipment (WEEE) Notice



In accordance with Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE):

- The symbol above indicates that separate collection of electrical and electronic equipment is required.
- When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
- It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
- It is the users' responsibility to utilize the available collection system to ensure WEEE is properly treated.

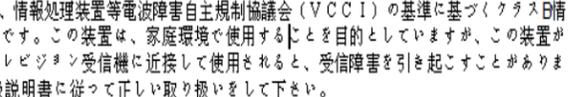
For information about the available collection system, please contact Extreme Environmental Compliance at Green@extremenetworks.com.

Turkish WEEE Statement of Compliance

EEE Yönetmeliğine Uygundur

Japan (VCCI) - Voluntary Control Council for Interference Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。



Korea Warning Statement for Class B ITE

이 기기는 가정용 (B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다 .

Other Countries

Australia

Use of 5GHz RLAN's in Australia is restricted in the following band 5.50 – 5.65GHz.

Brazil

Declarações Regulamentares- Brazil

Nota: A marca de certificação se aplica ao Transceptor, model AP-7502. 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.

Para maiores informações sobre ANATEL consulte o site: www.anatel.gov.br

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.

Este produto está homologado pela Anatel, de acordo com os procedimentos regulamentados pela Resolução nº242/2000 e atende aos requisitos técnicos aplicados, incluindo os limites de exposição da Taxa de Absorção

Específica referente a campos elétricos, magnéticos e eletromagnéticos de radiofrequência, de acordo com as Resoluções nº 303/2002 e 533/2009.

Este dispositivo está em conformidade com as diretrizes de exposição à radiofrequência quando posicionado pelo menos 25 centímetros de distância do corpo. Para maiores informações, consulte o site da Anatel.

Chile

Este equipo cumple con la Resolución No 403 de 2008, de la Subsecretaria de telecomunicaciones, relativa a radiaciones electromagnéticas.

China

通过访问以下网址可下载当地语言支持的产品说明书
www.extremenetworks.com/support.



Hong Kong

In accordance with HKTA1039, the band 5.15GHz - 5.35GHz is for indoor operation only.

Mexico

Restrict Frequency Range to: 2.450 - 2.4835 GHz

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.

South Korea

무선 설비는 운용 중 전파혼신 가능성이 있음

당해 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스 는 할 수 없습니다.

Ukraine

є вимогам технічного регламенту №1057, № 2008 на обмеження щодо використання деяких небезпечних речовин в електричних та електронних пристроях.

Thailand

เครื่องโทรคมนาคมและอุปกรณ์นี้ มี ความสอดคล้อง ตามข้อ กำหนดของ กทท .

AP-7502 RoHS Compliance						
部件名称 (Parts)	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	X	0	0	0	0	0
电路模块 (Circuit Modules)	0	0	0	0	0	0
电缆及电缆组件 (Cables and Cable Assemblies)	0	0	0	0	0	0
塑料和聚合物部件 (Plastic and Polymeric Parts)	0	0	0	0	0	0
光学和光学组件 (Optics and Optical Components)	0	0	0	0	0	0
电池 (Batteries)	0	0	0	0	0	0

本表格依据SJ/T 11364 的规定编制。
0：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量 要求以下。
X：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。（企业可在此处，根据实际情况对上表中打“×”的技术原因进行进一步说明。）

RoHS 1.0

This table was created to comply with China RoHS requirements.

Extreme Wireless™ WiNG™ Wallplate

Quick Reference

AP-7502-67030-US Wireless Wallplate

AP-7502-67030-US Wireless Wallplate