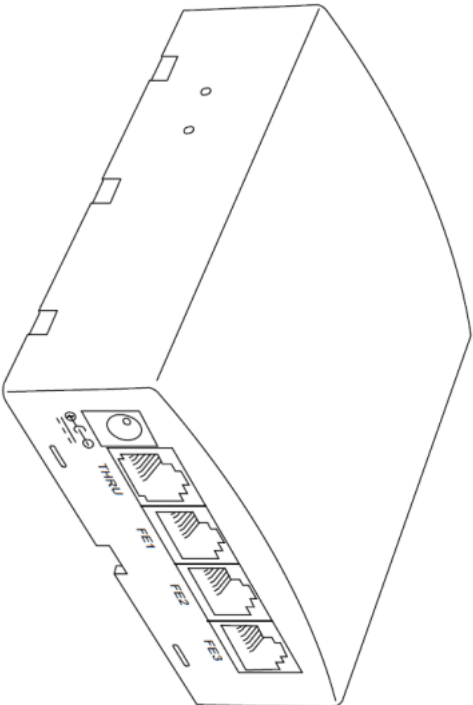


<http://www.motorolasolutions.com>

MOTOROLA SOLUTIONS, INC.
1303 E. ALGONQUIN ROAD
SCHAUMBURG, IL 60196



AP-7502 11ac Wireless Wallplate

Installation Guide

Regulatory Information

This device is approved under Motorola Solutions, Inc.
This guide applies to Model Number AP-7502.
All Motorola devices are designed to be compliant with rules and regulations in locations where they are sold and will be labeled as required.
Local language translations are available at the following website:
<http://www.motorolasolutions.com/support>

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 (such as grain, dust, or metal powders), plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).



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.



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) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

Avertissement: Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

- This equipment should only be installed by qualified professional installers.
- Read all installation instructions and site survey reports, and verify correct equipment installation before installing this equipment.
- Remove jewelry and watches before installing this equipment.
- Verify proper wiring and grounding for each installation location.
- Verify there is adequate ventilation around the device, and that ambient temperatures meet equipment operation specifications (0° to 40° Celsius / 32° to 104° Fahrenheit).

Warnings



WARNING! Indicates a condition or procedure that could result in personal injury or equipment damage.



CAUTION Care is required. Disregarding a caution can result in data loss or equipment malfunction.



NOTE Tips, hints, or special requirements that you should take note of.

Introduction

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.

Document Conventions

The following graphical alerts are used in this document to indicate notable situations:

Basic AP-7502 Configuration

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://192.168.1.1> or the IP address of the Access Point.

Login to the system using the default username **admin** and password **motorola**.

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

AP Name: * ap7502-4C394A

Country Name: * United States-us

Virtual Controller: ☐

Timezone: Etc/UTC

Date & Time: 01/03/2014 01:37 AM

NTP Server: . . .

Name: * WLAN01

Enable: ☒

SSID: * SWIFT

Security: Open

Band: 2.4 GHz

VLAN: * 1

Description: Secure WLAN Interface

WPA2 Key: * *****

Show ☐

HEX ☐ ASCII ☒

Additional WING configuration documentation is available at: <https://portal.motorolasolutions.com/support/US-EN>

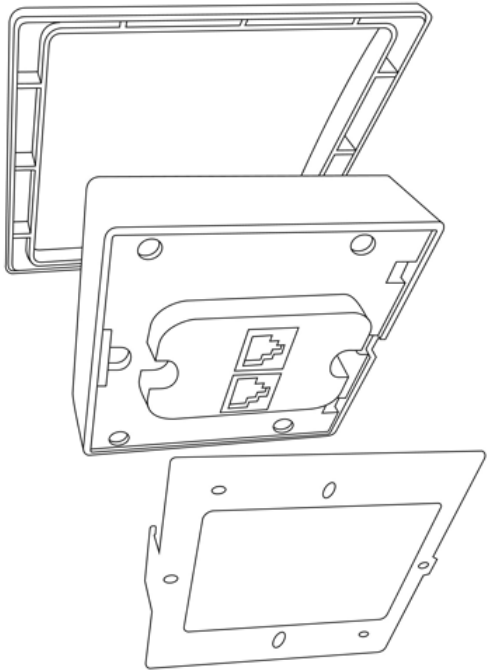
AP-7502 Wireless Wallplate Specifications

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

Installing the AP-7502 Wallplate

The AP-7502 Wireless 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.

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



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.



RF Exposure Guidelines

Safety Information

Reducing RF Exposure - Use Properly

Only operate this device in accordance with the instructions supplied.

International

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on "International" human exposure to electromagnetic fields refer to the Motorola Declaration of Conformity (DoC) at <http://www.motorolasolutions.com/doc>.

For further information on the safety of RF energy from wireless devices - see

<http://responsibility.motorolasolutions.com/index.php/downloads/>

Located under **Wireless 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 20cm 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 20cm 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 20cm 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 20m 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 20cm de distance entre la source de rayonnement et votre corps.

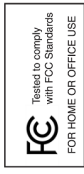
Remote and Standalone Antenna Configurations

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 20cm from all persons.

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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 a Motorola approved UL 48V/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

Note: 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)/MWB-3(b)

Radio Transmitters

For LAN Devices:

The use of 5 GHz LAN'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.

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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 radioélectrique à 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 à l'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 II a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'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 LAN's, for use through the EEA, have the following restrictions:

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

Statement of Compliance for Wireless Devices

Motorola hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and 2011/65/EU. A Declaration of Conformity may be obtained from: <http://www.motorolasolutions.com/doc>

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Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to Motorola for recycling. For information on how to return product, please go to: <http://www.motorola.com/recycling/weee>.

Français: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être retournés à Motorola pour recyclage. Pour de plus amples informations sur le retour de produits, consultez :

<http://www.motorola.com/recycling/weee>.

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: <http://www.motorola.com/recycling/weee>.

Bulgarian: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Motorola за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: <http://www.motorola.com/recycling/weee>.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter <http://www.motorola.com/recycling/weee>.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola al fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: <http://www.motorola.com/recycling/weee>.

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: <http://www.motorola.com/recycling/weee>.

<http://www.motorola.com/recycling/weee>.

Netherlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg <http://www.motorola.com/recycling/weee> voor meer informatie over het terugzenden van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Motorola w celu ich utylizacji. Informacje na temat zwrótu produktów znajdują się na stronie internetowej

<http://www.motorola.com/recycling/weee>.

Čeština: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Motorola k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: <http://www.motorola.com/recycling/weee>.

Eesti: Klientidele: Kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorola'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: <http://www.motorola.com/recycling/weee>.

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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.

S. Korea

해당 무선설비는 운용 중 전파혼신 가능성이 있음

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다

Ukraine

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

Thailand

เครื่องใช้ทมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กททช.

AP-7502 RoHS Compliance

物料名称 (Parts)	有毒有害物质元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯 醚 (PBDE)
金属零件 (Metal Parts)	0	0	0	0	0	0
集成电路 (Circuit Modules)	X	0	0	0	0	0
电缆及连接器 (Cables and Cable Assemblies)	0	0	0	0	0	0
塑料和聚合物零件 (Plastic and Polymeric Parts)	0	0	0	0	0	0
无铅焊料零件 (Lead-Free Solder Components)	0	0	0	0	0	0
零件 (Screws)	0	0	0	0	0	0

0：表示该有毒有害物质在该零件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

X：表示该有毒有害物质至少在该零件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

对销售之旧产品销售产品， 本表表示， 公司供应链中电子产品信息可能包含这些物质。 注意： 在所有产品中可能包含也可能不会含有所有所列零件。

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Service Information

If you have a problem using the equipment, contact your facility's technical or systems support. If there is a problem with the equipment, they will contact the Motorola Solutions Global Customer Support center.

Contact information is available at:

<http://www.motorolasolutions.com/support>

When contacting Motorola Solutions support, please provide the following information:

- Serial number of the unit
- Model number or product name
- Software type and version number

Motorola Solutions responds to calls by e-mail, telephone, or fax within the time limits set forth in support agreements. If you purchased your product from a Motorola Solutions business partner, contact that business partner for support. Customer Support Web Sites

The Motorola Solutions Support Central Web site, located at:

<http://www.motorolasolutions.com/support>.

provides information and online assistance including developer tools, software downloads, product manuals and online repair requests.

Manuals

<https://portal.motorolasolutions.com/Support/US-EN/Wireless-Networks>.

General Information

Obtain additional information by contacting Motorola Solutions at:

Telephone (North America): 1-800-722-6234
(14)

合格证： Quality Certificate



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