



Safety Instructions and Regulatory Information

APX Series



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Safety Instructions

You can operate the access point (AP) safely if you follow the information in these Safety Instructions and on the appliance.

- ▶ Do not reach into the appliance. There are dangerous circuits inside the appliance that can cause death if you touch them.
- ▶ Damaged appliances must be returned. It is forbidden to open the hardware appliance or to change its components. Failure to comply with this rule results in the loss of warranty cover from Sophos.
- ▶ Connect the device to a power socket with a fully functional earth conductor. Defective earth conductor connections do not comply with the requirements for safety and electromagnetic compatibility. Check the power socket before connecting the hardware appliance.
- ▶ Before you switch on the appliance make sure that your mains voltage complies with the supply voltage of the appliance. The connection data are shown on the name plate.
- ▶ To disconnect the appliance completely take the power cable from the power socket. Make sure that the power plug is freely accessible.
- ▶ Make sure that no one can trip over the power cable and that it cannot be damaged by objects.
- ▶ Only connect system peripherals complying with the requirements for protective extra-low voltage according to EN/IEC 62368-1.
- ▶ Only use parts and accessories validated by Sophos. Using non-approved parts and accessories may affect the functioning of the appliance and your safety.
- ▶ The appliance produces heat. Ensure that there is sufficient air circulation to remove the heat.
- ▶ Avoid a permanent high level of air humidity and formation of condensation. Protect the appliance from humidity and chemicals. Safe use of the appliance is no longer possible if:
 - the chassis is damaged
 - water penetrated the appliance
 - objects entered the appliance via air opening
 - smoke comes out of the appliance
 - the power cable is damaged
 - it does not work properly
- ▶ Immediately turn off the appliance in the event of one of the above problems, remove the power cable from the power socket and contact your customer service as soon as possible.
- ▶ We expressly exclude any product liability and warranty claims if the appliance is not operated according to the instructions in these notes and to the notes attached to the appliance itself.

PoE-Injector Safety Information

Caution: This equipment is to be connected only to PoE networks without routing to the outside plant.

- ▶ Connect the PoE-Injector to PoE networks only, without routing to the outside plant.
- ▶ AC Power Cord:
 - The power cord must have regulatory agency approval for the specific country in which it is used (for example, UL, CSA, VDE, GS, etc.).
 - The power cord must be a three-conductor type (two current carrying conductors; one ground conductor terminated on one end by an IEC 60320 appliance coupler (for connection to the PoE-Injector), and on the other end by a plug containing a ground (earthing) contact).
 - The power cord must be rated for a minimum of 250 VAC RMS operation, with a minimum rated current capacity of 5 A (or a minimum wire gauge of 18 AWG (0.75 mm²)).
 - A PoE-Injector installed in Australia requires power cords with a minimum wire gauge of 16 AWG (1.0 mm²).
- ▶ The PoE-Injector "Data In" and "Data & Power Out" ports are shielded RJ45 data sockets. They cannot be used as Plain Old Telephone Service (POTS) telephone sockets. Connect RJ45 data connectors only to those sockets.
- ▶ The AC wall socket-outlet must be near the PoE-Injector and easily accessible. You can remove AC power from the PoE-Injector by disconnecting the AC power cord from either the wall socket-outlet or the PoE-Injector appliance coupler.
- ▶ The PoE-Injector "Data In" and "Data & Power Out" interfaces are qualified as Safety Extra-Low Voltage (SELV) circuits according to IEC 62368-1. Connect these interfaces only to SELV interfaces on other equipment.

Warnings

- ▶ Connect the PoE-Injector only to the IP device with which it was bought. Using the PoE-Injector with other IP devices can cause damage to the IP device.
- ▶ Read the installation instructions before connecting the PoE-Injector to its power source.
- ▶ Follow basic electricity safety measures whenever connecting the PoE-Injector to its power source.
- ▶ A voltage mismatch can cause equipment damage and may pose a fire hazard. If the voltage indicated on the label is different from the power outlet voltage, do not connect the PoE-Injector to that power outlet.

California Proposition 65 Warning



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

This product contains components that can cause exposure to substances known to the State of California to cause cancer and/or reproductive harm.



Instructions de sécurité

Suivez les instructions ci-dessous ainsi que celles offertes dans l'apppliance elle-même pour assurer un fonctionnement sécurisé de votre point d'accès

- ▶ N'ouvrez pas l'apppliance. Certains circuits dangereux à l'intérieur de l'apppliance pourraient entraîner un choc mortel si vous les touchez.
- ▶ Renvoyez les appliances endommagées Il est interdit d'ouvrir l'apppliance matérielle ou de changer ses composants. Le non-respect de cette règle entraînera la rupture de la garantie de Sophos.
- ▶ Branchez l'appareil sur une prise connectée à la terre. Les prises de terre défectueuses ne sont pas conformes aux normes de sécurité de l'utilisateur et de compatibilité électromagnétique. Vérifiez votre prise avant de brancher l'apppliance.
- ▶ Avant de mettre en marche l'apppliance, vérifiez que la tension du secteur correspond bien à la tension de fonctionnement de l'appareil. Vous trouverez les données relatives à la connexion sur la plaque d'identification de l'appareil.
- ▶ Pour déconnecter l'appareil, débranchez complètement le câble d'alimentation. Veillez à ce que la prise soit accessible.
- ▶ Assurez-vous que personne ne puisse trébucher sur le câble d'alimentation et que celui-ci ne puisse pas être facilement endommagé.
- ▶ Connectez uniquement des périphériques système conformes à la norme EN/IEC 62368-1 relative aux exigences relatives à la très basse tension de sécurité
- ▶ Utilisez uniquement des pièces et accessoires approuvées par Sophos. Les pièces et accessoires non-approuvées pourrait affecter le bon fonctionnement de l'apppliance et vous mettre en danger.
- ▶ L'appareil génère de la chaleur. Assurez-vous que l'air puisse circuler autour de l'appareil.
- ▶ Évitez un taux trop élevé d'humidité et la présence de condensation. Protégez l'apppliance contre l'humidité et les substances chimiques. Il ne sera plus possible d'utiliser l'appareil en toute sécurité si :
 - Le châssis est endommagé
 - De l'eau est entrée dans l'apppliance
 - Des objets sont entrés dans l'apppliance par l'orifice d'aération
 - L'apppliance se met à fumer
 - Le câble d'alimentation est endommagé
 - L'apppliance ne fonctionne pas correctement
- ▶ Si vous remarquez l'un des problèmes ci-dessus, éteignez immédiatement l'apppliance, débranchez le câble d'alimentation et contactez rapidement le service client.
- ▶ Nous refuserons toute responsabilité et toutes réclamations liées à des fautes causées par le non-respect des instructions énoncées ici et dans la documentation de l'appareil.

Consignes de sécurité pour l'injecteur PoE

Attention ! Ce matériel a été conçu pour se connecter uniquement aux réseaux PoE sans acheminer le trafic vers l'extérieur.

- ▶ Connectez l'injecteur PoE uniquement à un réseau PoE sans acheminer le trafic vers l'extérieur.
- ▶ Cordon d'alimentation AC :
 - Le cordon d'alimentation doit être conforme aux normes en vigueur.
 - Le cordon d'alimentation doit être composé de trois fils : deux conducteurs de courant et un conducteur de mise à la terre avec d'un côté un coupleur IEC 60320 (pour connexion à l'injecteur PoE) et de l'autre une prise comportant une connexion de terre.
 - Le cordon d'alimentation doit avoir une capacité minimale de 250 VAC RMS, avec un débit nominal minimum de 5 A (ou un gabarit minimal de 18 AWG (0.75 mm²).
 - En Australie, l'installation d'un injecteur PoE exige un gabarit minimal de 16 AWG (1.0 mm²).
- ▶ Les ports « Données entrantes » et « Courant et données sortantes » de l'injecteur PoE sont des prises blindées RJ45. Elles ne peuvent pas être utilisées en tant que prises téléphoniques traditionnelles (POTS). Elles ne sont destinées qu'à la connexion de connecteurs RJ45.
- ▶ La prise murale AC doit être près de l'injecteur PoE et facile d'accès. Coupez l'alimentation AC de l'injecteur PoE en débranchant le cordon d'alimentation soit du mur soit du coupleur.
- ▶ Les interfaces « Data In » et « Data & Power Out » de l'injecteur PoE sont désignées comme des circuits à très basse tension de sécurité (SELV) selon la norme IEC 62368-1. Pour connecter ces interfaces avec d'autres équipements, utilisez uniquement les interfaces SELV.

Avertissements

- ▶ Connectez l'injecteur PoE uniquement au dispositif IP avec lequel vous l'avez acheté. L'utilisation avec d'autres dispositifs IP pourrait les endommager.
- ▶ Lisez les instructions d'installation avant de brancher l'injecteur PoE.
- ▶ Respectez les consignes de sécurité de base relatives aux travaux électriques avant de brancher l'injecteur PoE sur le courant.
- ▶ Toute discordance de tension pourrait endommager l'équipement et causer un risque d'incendie. Si la tension indiquée sur la plaque d'identification est différente de celle indiquée sur la prise de courant, ne branchez pas l'injecteur PoE dans cette prise.

Simplified EU Declaration of Conformity

Hereby, Sophos Ltd. declares that the radio-frequency equipment type APX 320X is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The full text of the EU declarations of conformity is available at the following Internet address:

<https://community.sophos.com/kb/en-us/117713>

Outdoor Use Statement

Caution: The Sophos access point APX 320X is restricted to outdoor operation only.

Frequency Ranges and Transmit Power

Sophos APX Model	Frequency range	Antenna type	EIRP power in dBm (measured max. average)
APX 320X	2.412-2.472 GHz	Dipole antenna Sector antenna Directional antenna	19.89 dBm 19.35 dBm 19.95 dBm
	5.500-5.700 GHz	Dipole antenna Sector antenna Directional antenna	29.82 dBm 29.96 dBm 28.46 dBm

MPE Statement

Caution: This product complies with maximum permissible exposure limits as set forth by the European Norm EN 62311. The Sophos access point should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Member states with restrictions pursuant to Article 10(10) of Directive 2014/53/EU



BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR
HR	IT	CY	LV	LT
LU	HU	MT	NL	AT
PL	PT	RO	SI	SK
FI	SE	UK		

Manufacturers Federal Communication Commission Statements

Note: The access point Sophos APX 320X is restricted to outdoor use only.

CFR Title 47 Part 15 Subpart A—General §15.19 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.

CFR Title 47 Part 15 Subpart A—General §15.21 Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CFR Title 47 Part 15 Subpart B—Unintentional Radiators §15.105 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.

CFR Title 47 Part 15 Subpart E—Unlicensed National Information Infrastructure Devices §15.407 Statement

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC rules.

CFR Title 47 Part 1 Subpart I §1.1310 Radiofrequency Radiation Exposure Limits Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment as referenced in CFR Title 47 Part 1 Subpart I §1.1310.

The access point Sophos APX 320X should be installed and operated with a minimum distance of 28 cm between the radiator and your body.

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

Publication Number: 443999 Rule Parts: 15E—Professional Installation Instructions

1. Installation personnel

This product is designed for specific applications and needs to be installed by qualified personnel who have RF and related knowledge. The general user shall not attempt to install or change the settings.



2. Installation location

This product shall be installed at a location where the radiating antenna can be kept 28 cm away from a nearby person under normal operation conditions in order to meet regulatory RF exposure requirements.

3. External antenna(s)

Only use the antennas that are provided in the scope of supply or are approved as accessories by Sophos. Non-approved antenna(s) may produce unwanted spurious emissions or excessive RF transmit power, which may lead to a violation of FCC limits and is therefore prohibited.

4. Installation procedure

Please refer to the user manual for details.

5. Warning

Please carefully select the installation position and make sure that the final output power does not exceed the limits set forth in relevant rules. The violation of those rules can lead to serious federal penalties.

Country code selection usage (WLAN devices)

According to FCC regulations, all WLAN devices marketed and sold in the U.S. must be restricted to U.S. channels only. Therefore, the country code selection is applicable to non-U.S. models only. So changing the country setting of any Sophos AP sold in the U.S. will not modify authorized parameters such as RF channels, which means that the Access Point will always operate in U.S. authorized channels.

ISED Statements / Avis d'ISED

This device complies with ISED's license-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée 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.

Caution:

- (i) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (ii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate;
- (iii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :



- (i) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5 250 à 5 350 MHz et de 5 470 à 5 725 MHz doit être conforme à la limite de la p.i.r.e.;
- (ii) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas;
- (iii) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

Radiation Exposure Statement

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 35 cm between the radiator and your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 35 cm entre le radiateur et votre corps.

Detachable Antenna usage

This radio transmitter (IC: 20939-APX320X / Model: APX 320X) has been approved by ISSED to operate with the antenna type listed below with maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 20939-APX320X / Model: APX 320X) a été approuvé par ISSED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

List of approved antennas

Type	Gain	Impedance	Brand	Manufacturer
Dipole	2.4 GHz: 3.2 dBi / 5 GHz: 6.0 dBi	50 Ohms	Grand-Tek	GRAND-TEK TECHNOLOGY CO., LTD.
Sector antenna (120°)	V-pol 2.4 GHz: 10.6~10.8 dBi / 5 GHz: 12.5~13.1 dBi H-pol 2.4 GHz: 10.0~11.4 dBi / 5 GHz: 11.6~12.9 dBi	50 Ohms	Grand-Tek	GRAND-TEK TECHNOLOGY CO., LTD.
Directional antenna (30°)	V-pol 2.4 GHz: 11.6~11.8 dBi / 5 GHz: 10.6~11.0 dBi H-pol 2.4 GHz: 11.6~12.0 dBi / 5 GHz: 10.4~11.5 dBi	50 Ohms	Grand-Tek	GRAND-TEK TECHNOLOGY CO., LTD.

Class B Notice for Canada

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

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

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

Declarations to conform to Anatel regulations (Brazil)**Letter nº 38/2004 and Resolution nº680 declaration**

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – www.anatel.gov.br



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