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### Frequency/Band Information

	Channel	Frequency (MHz)	US (FCC)
2.4GHz Band	1	2412	✓
	2	2417	✓
	3	2422	✓
	4	2427	✓
	5	2432	✓
	6	2437	✓
	7	2442	✓
	8	2447	✓
	9	2452	✓
	10	2457	✓
	11	2462	✓
	12	2467	
	13	2472	
5GHz Band	36	5180	✓
	40	5200	✓
	44	5220	✓
	48	5240	✓
	149	5745	✓
	153	5765	✓
	157	5785	✓
161	5805	✓	
165	5825	✓	



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# REGULATORY, COMPLIANCE AND SAFETY DOCUMENT

## XWO-BAP1

High Power AC1200 Dual-Band Outdoor Bridging AP

Last Update: 06/28/16

This documentation contains regulatory compliance and safety information. No part of this publication, or any other publication may be modified or adapted in any way, for any purposes without written permission from Luxul.

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LUX-REG-COM- XWOBAP1-50616

## FCC STATEMENT—WIRELESS FCC 2.4GHZ 802.11B/G/N

### FCC Compliance

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.

FCC ID: W59XWOBAP1

IC: 8584A-XWOBAP1

### FCC 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. 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 to 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.

Refer to included Quick Installation Guide for device-specific FCC Class information.

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

## 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 a minimum distance of 40cm between the radiator & your body.

## REGULATORY COMPLIANCE

The device complies with internationally-recognized standards covering human exposure to electromagnetic fields from radio devices. This equipment also complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 30cm (11.8 in) during normal operation.

Unauthorized antennas, modifications, or attachments could cause damage and may violate regulatory approvals. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate the equipment.

Luxul equipment marketed in the U.S. is restricted to usage of channels 1-11 only for 2.4GHz and channels 36-48/149-165 for 5GHz.

## Warnings and Safety Information

- ▶ Ensure that the electrical circuits have appropriate grounding, overload and surge protection.
- ▶ Attach only approved power cords to the device.
- ▶ Verify there is adequate ventilation around the device, and that ambient temperatures meet equipment operation specifications.
- ▶ DO NOT install in or near hot or humid places, such as a kitchen or bathroom. Take care to minimize exposure to excessive heat or moisture.
- ▶ Small parts and plastic bags used for packaging may be harmful to small children. KEEP ALL ACCESSORIES OUT OF THE REACH OF CHILDREN!
- ▶ This product may become hot when in use for extended time periods. This is normal and is not a malfunction. DO NOT install where it will be exposed to paper, cloth or other flammable materials.

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### Health and Safety Recommendations

**Warnings for the use of Wireless Devices:** Please observe all warning notices with regard to the use of wireless devices

**Potentially Hazardous Atmospheres:** You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants, and other similar 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.

### RF Exposure Guidelines

**Safety Information:** The device complies with internationally-recognized standards covering human exposure to electromagnetic fields from radio devices.

#### **Warning: Exposure to Radio Frequency (RF) Radiation:**

The radiated output of this device is below FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

- ▶ The end user must avoid any extended human RF exposure directly in front of the device, up to a distance of 40cm, when the unit is on.
- ▶ When servicing the equipment and selecting a location for the antennas, it is important to note that a minimum distance of 40cm is required between personnel and the device or antenna, to comply with radio frequency exposure limits.
- ▶ The antenna used for this transmitter must be installed to provide a separation distance of at least 40cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

### The following safety precautions should be observed:

- ▶ Do not touch or move the antenna while the unit is transmitting or receiving.
- ▶ Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- ▶ Do not operate the radio or attempt to transmit data unless the antenna is connected; this behavior may cause damage to the radio.

### ErP Statement

The purpose of this product is to create a constant network connection for your devices. It does not have a standby mode or use a power management mode. If you wish to power down this product, please unplug it from the power socket.

### Industry Canada

This device complies with Industry Canada licence-exempt RSS-247 standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR-247 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.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS-102 and compliance with RSS-102 RF exposure; users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS-102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

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This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 40 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 40 centimètres entre le radiateur et votre corps.

#### **Caution:**

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

(ii) 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 specified for point-to-point and non-point-to-point operation as appropriate.

#### **Avertissement:**

(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) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;

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

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### Simplified EU declaration of conformity

Hereby, **Luxul** declares that the radio equipment type **XWO-BAPI** is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: **<http://luxul.com/regulatory-compliance>**

Le soussigné, **Luxul**, déclare que l'équipement radioélectrique du type **XWO-BAPI** est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: **<http://luxul.com/regulatory-compliance>**

Hiermit erklärt **Luxul**, dass der Funkanlagentyp **XWO-BAPI** der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: **<http://luxul.com/regulatory-compliance>**

Hierbij verklaar ik, **Luxul**, dat het type radioapparatuur **XWO-BAPI** conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: **<http://luxul.com/regulatory-compliance>**