



Package content



power horn



Panel reflector central



Side Reflector Panels (Qty: 2)



Mounting bracket



power receiver



Spinning panels (qty.: 2)



M4 SEM screws (qty: 8)



M8 SEM screws (quantity: 4)



Metal strips (qty: 3)



Gigabit PoE (24 V, 0.3A) con



Power cord

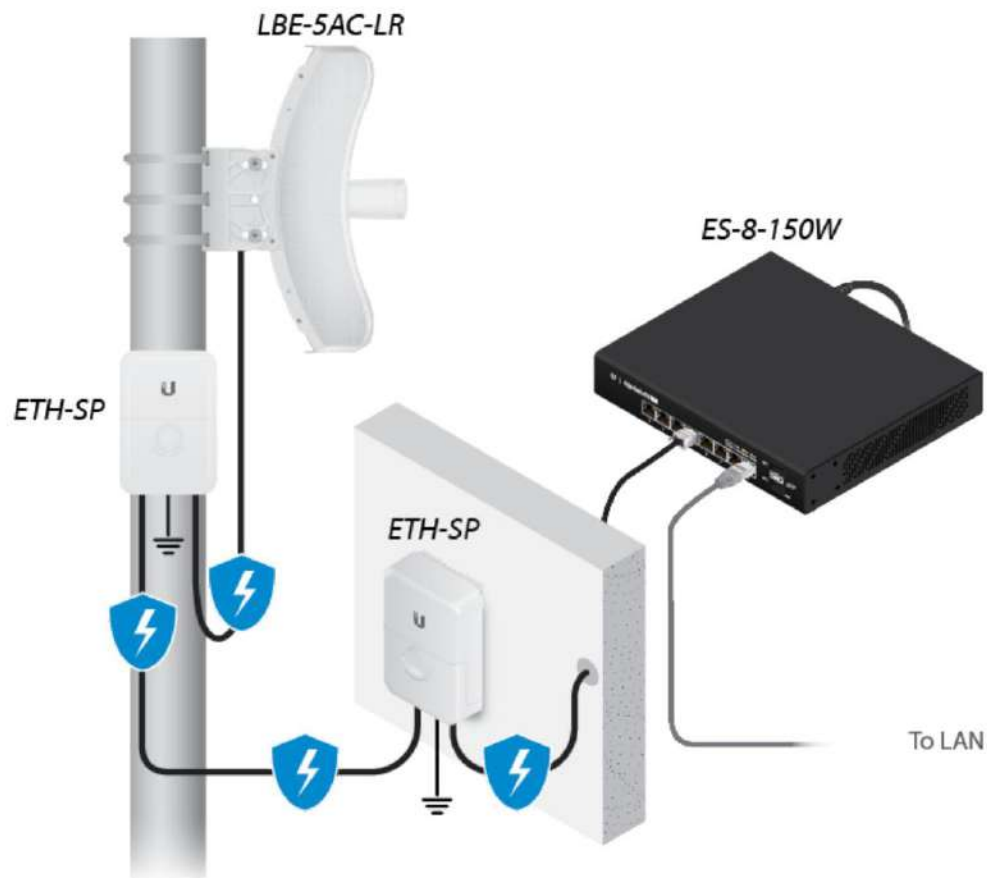


installation requirements

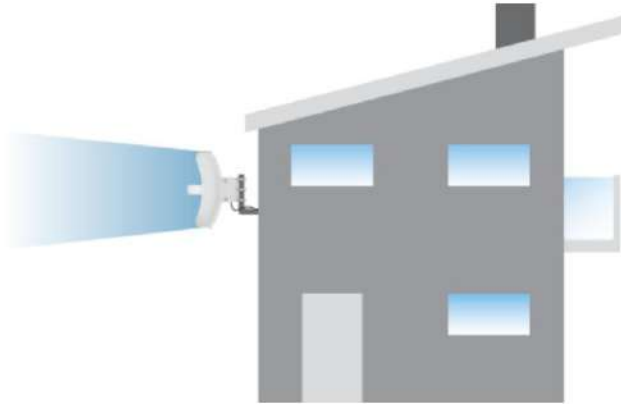
- Phillips screwdriver
- 13mm wrench
- 7mm socket wrench or screwdriver
- Category 5 (or higher) shielded cabling with a drain wire must be used for all Ethernet connections and must be connected to the AC ground of the PoE.

We recommend that you protect your networks from harmful outdoor environments and electrostatic discharge phenomena with Ubiquiti's Industrial Grade Shielded Ethernet Cable. For more information, [visit ui.com/toughcable](http://ui.com/toughcable)

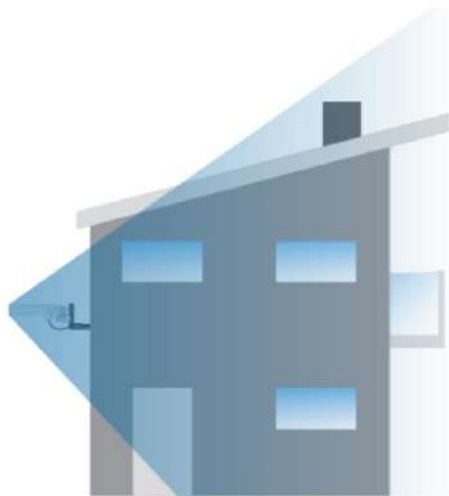
- Surge protection must be used on all outdoor installations. We recommend that you use two surge protectors, model ETH-SP, one near the LiteBeam and the other at the entry point of the building. The ETH-SP will absorb surge voltages and safely discharge them to the ground.



Application Examples



The exterior mounted LiteBeam AC without the reflector installed provides exterior to interior coverage only via the 3 dBi powered horn.



hardware description



LBE-5AC-LR Quick Start Guide



1 LED the Ethernet

The LED indicator will turn solid blue when the device is connected to an Ethernet network and will blink if there is activity.

2 Power LEDs

The LED will light blue when the device is connected to a power source.

3 reset button

To restore factory defaults, press and hold the reset button for more than 10 seconds while LiteBeam AC is powered on. You can also remotely reset the device using the reset button on the bottom of the Gigabit PoE adapter.

4 Puerto Ethernet

Supports 10/100/1000 connections and passive PoE. This port must be connected to the LAN and the DHCP server.



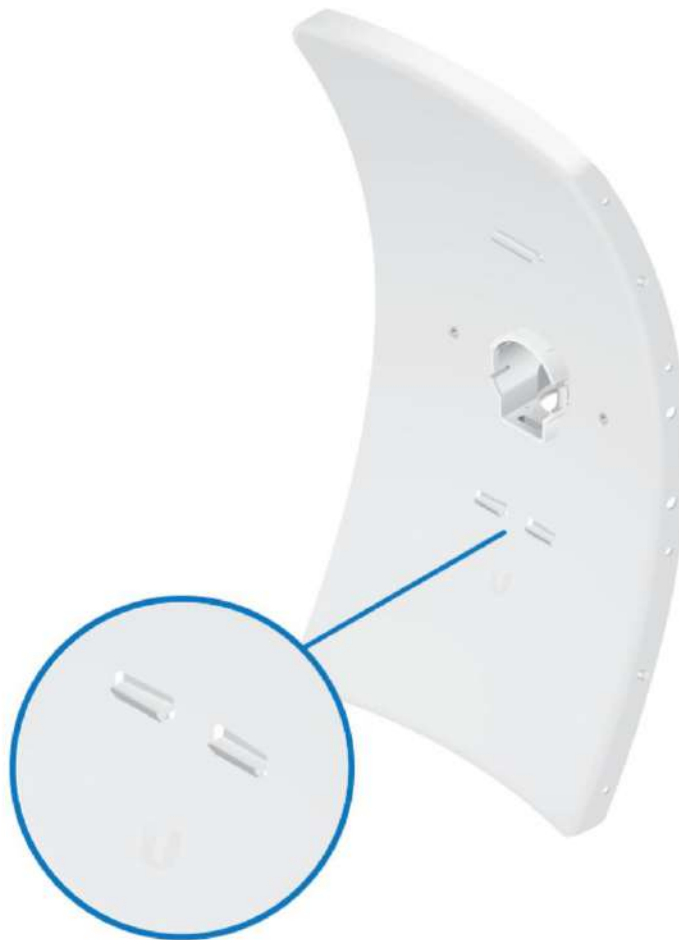
1.



2.



LBE-5AC-LR Quick Start Guide







5.



6.



7.



8.



9.



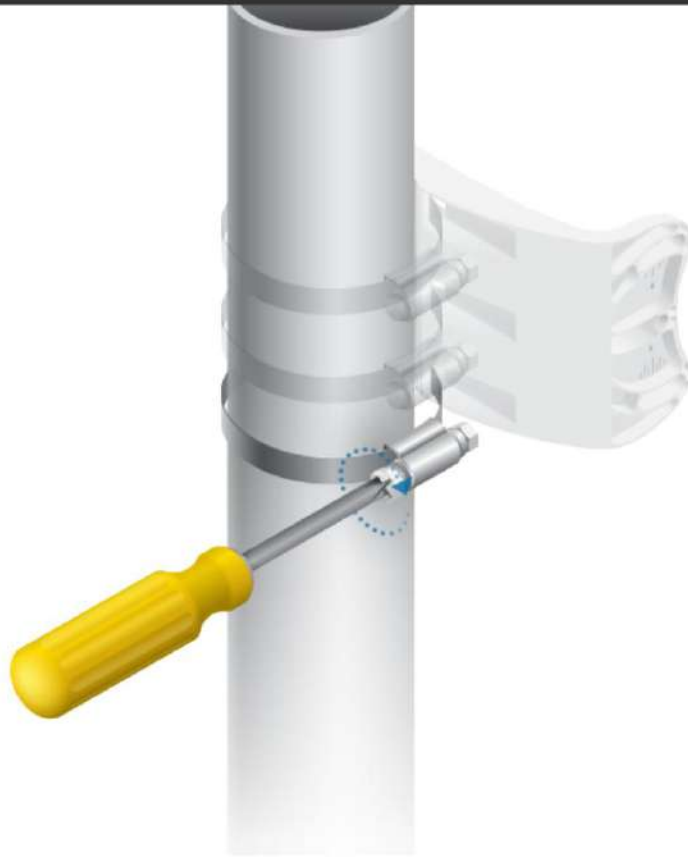
10.



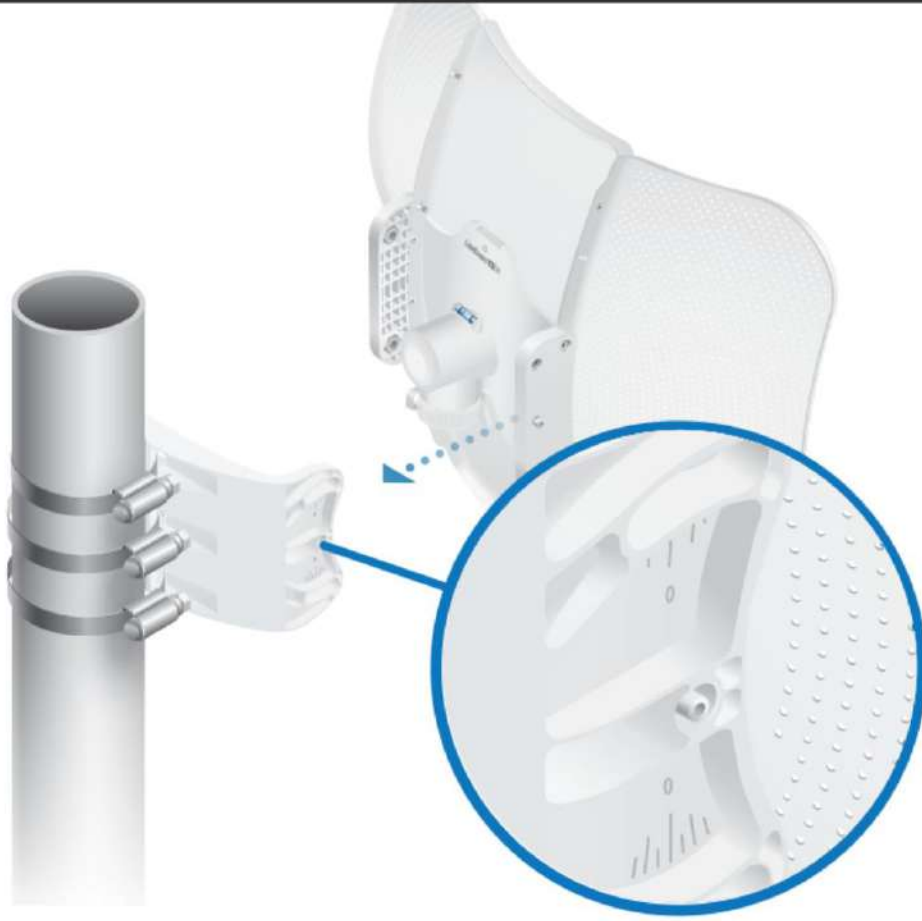
pole mount

1.

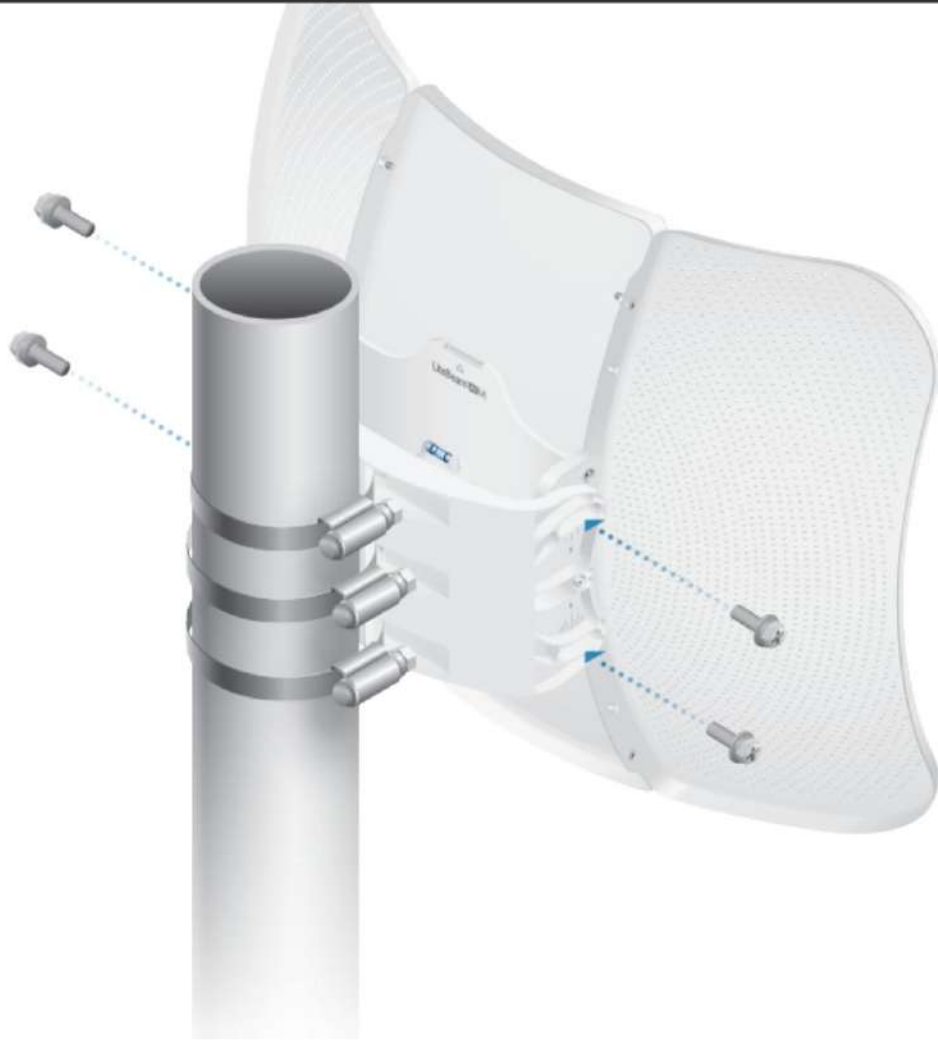




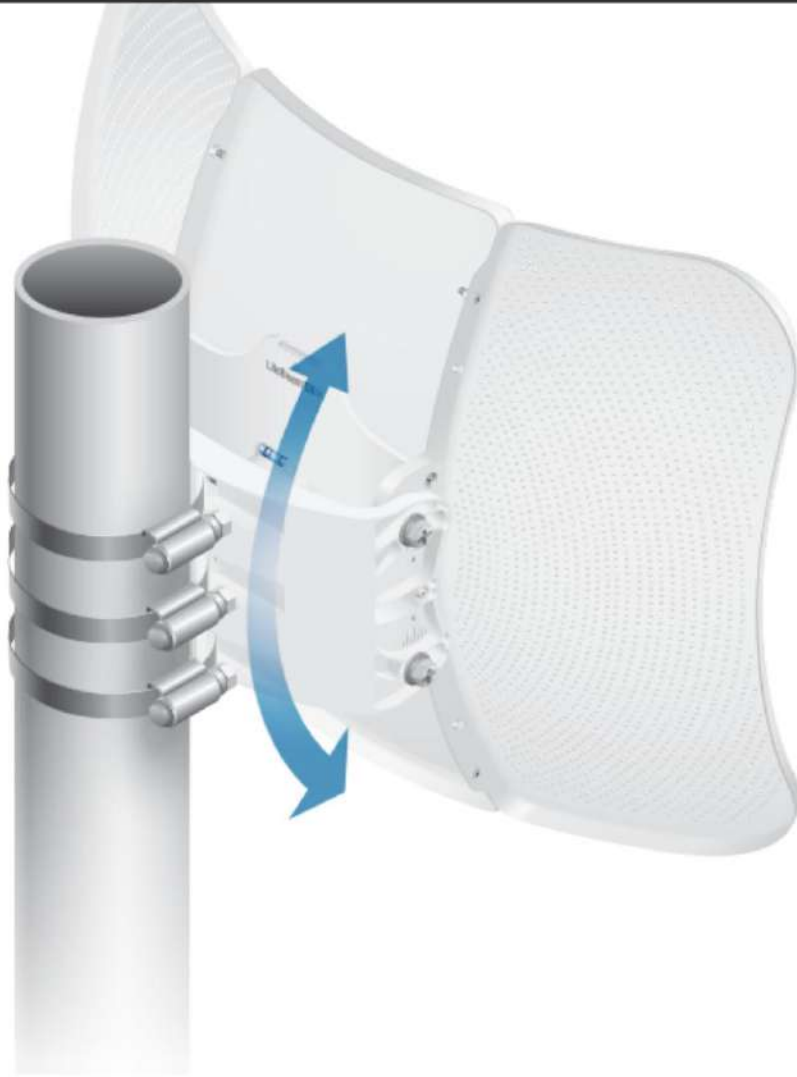
3.



4.



5.



6.



Power connection



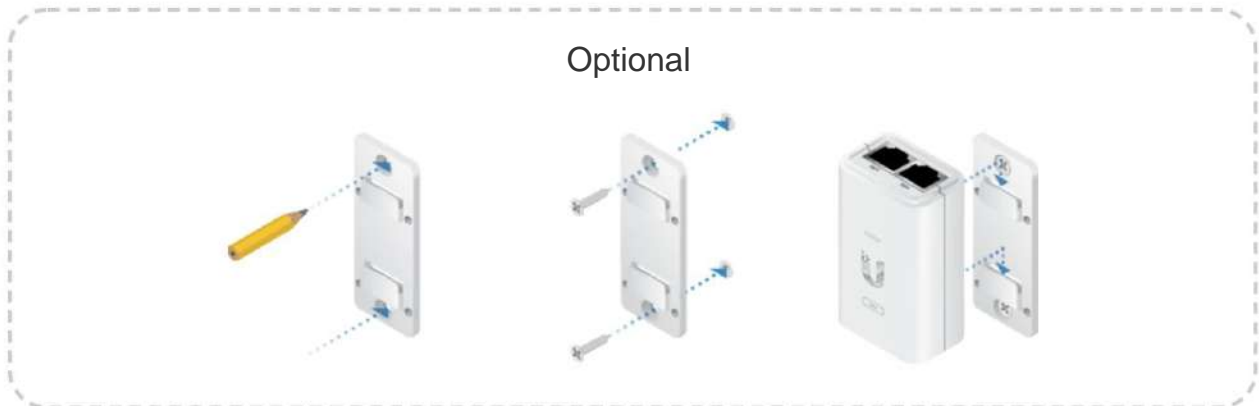
WARNING: The port switch must meet the power specifications listed in this quick start guide.



O



Optional



Access to airOS over Wi-Fi

Check the connectivity of the airOS® configuration interface using the UNMS™ app or web portal. Both are available for 15 minutes immediately after turning on the device. If necessary, you can turn on the device to turn your Wi-Fi back on.



1. Download the UNMS app



2. Connect your device's Wi-Fi to the SSID named: :



Note: Make sure DHCP is enabled on your Wi-Fi adapter.

3. Run the application and follow the instructions on the screen.

Portal web

1. Connect your device's Wi-Fi to the SSID named: :

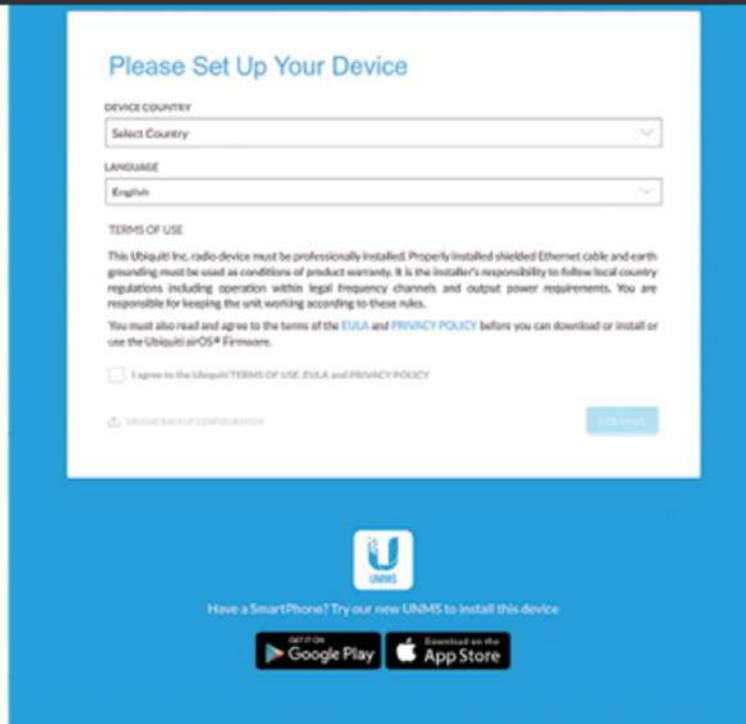


Note: Be sure to enable DHCP on your Wi-Fi connection.

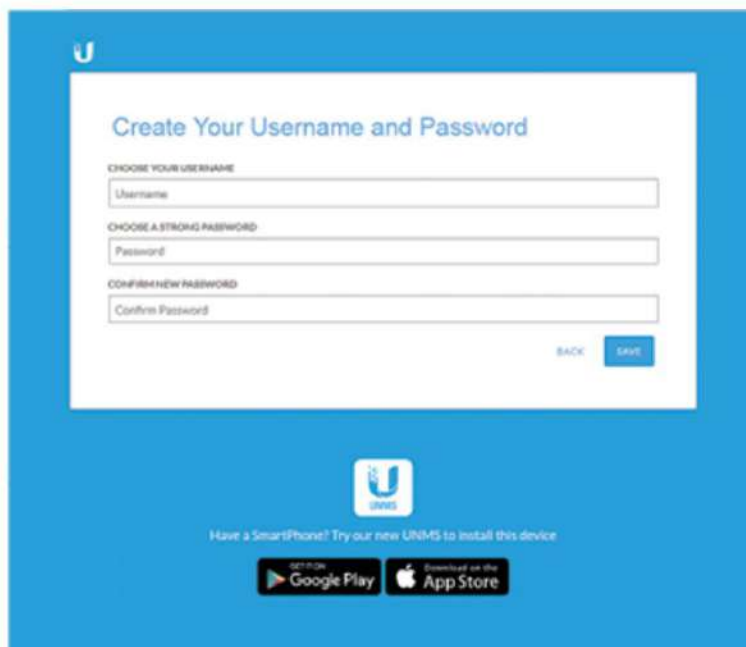
2. Open your web browser and go to: <http://setup.ui.com>



3. Select your language and country. You must accept the Terms of Use to use the product. Click Continue.



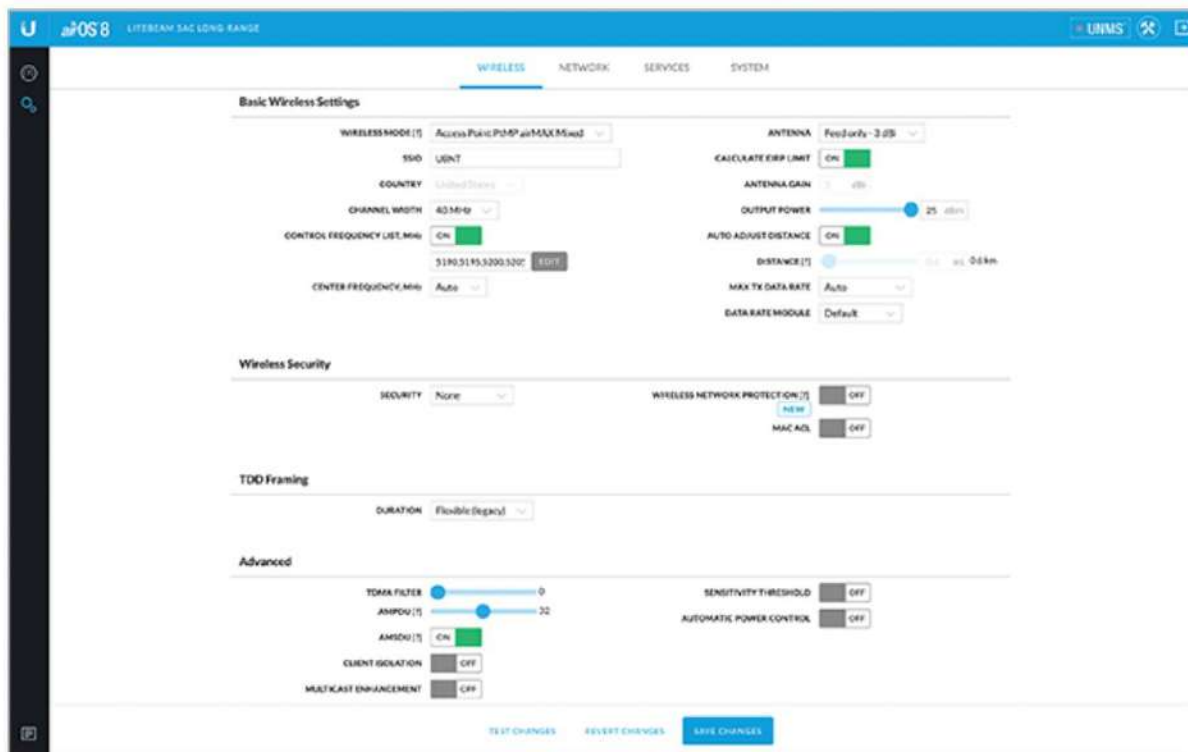
4. Create a username and password. Confirm your new password and then then click Save.



The airOS settings interface will open allowing you to customize your settings as needed. For more information, see the user guide available at ui.com/download/airmax-ac



Devices must be professionally installed and it is the responsibility of the professional installer to ensure that the device is operational in accordance with country specific regulatory requirements.



Antenna

Select your antenna from the list. If the Calculate EIRP Limit option is enabled, the transmission output power is automatically adjusted to comply with applicable country regulations. In a custom antenna setup, the antenna gain is entered manually. Please note the antenna types and requirements listed below.

Cable loss (if applicable)

Enter the cable loss in dB. The output power is adjusted to compensate for the losses between the radio and the antenna.

Certified types of antenna

This radio transmitter FCC ID: SWX-LBE5ACLR / IC: 6545A-LBE5ACLR is approved by the FCC / ISED Canada to operate with the antenna types listed below with the maximum allowable gain indicated for each antenna type. Antenna types not included in this list or having a



Antenna	Frequency	Gain
Rack	5 GHz	26 dBi

specs

LBE-5AC-LR	
Dimensions	512,5 x 385,75 x 258,3 mm (20,18 x 15,19 x 10,17")
Weight	
with mount	1,360 kg (2,998 lb)
without mounting	1,735 kg (3,825 lb)
network interface	(1) puerto Ethernet 10/100/1000
antenna gain	26 dBi
maximum power output	25 dBm
maximum power consumption	7W
Power supply	24V, Gigabit PoE adapter, 0.3A
feeding method	Passive PoE (pairs 4, 5+ for the outbound and 7, 8 for the return)
Operating temperature	-40 to 70° C (-40° F to 158° F)
operating humidity	5 to 95% non-condensing
ESD/EMP protection	± 24 kV contact/air
Shocks and vibrations	ETSI300-019-1.4
Wind resistance	200 km/h (125 mph)
wind load	550 N @ 200 km/h (123,6 lbf @ 125 mph)
Certifications	CE, FCC, IC

Operating frequency (MHz)		
All over the world		5150 - 5875
EE. UU. / CA	U-SO-1	5150 - 5250
	U-NII-2A	5250 - 5350
	U-NII-2C	5470 - 5725
	U-SO-3	5725 - 5850



All Over the World	2112 - 2112
EE. UU. / CA	2412 - 2462

safety instructions

1. Read, follow and save these instructions.
2. Pay attention to all warnings.
3. Only use the devices or accessories indicated by the manufacturer.



WARNING: Do not use this product in a location where it may be submerged in water.



WARNING: Avoid using this product during a lightning storm. There is a remote possibility of an electrical discharge caused by lightning.

electrical safety information

1. It is mandatory to comply with the current, frequency and voltage requirements indicated on the manufacturer's label. Connection to a power source other than those specified may result in malfunction, equipment damage, or fire hazard if limitations are not followed.
2. This equipment contains no operator-serviceable parts. Only a qualified service technician should provide services.
3. This equipment is supplied with a detachable power cord that has an integral safety ground wire designed to be connected to a safety ground. a. Do not substitute the power cord with one other than the approved type provided.

Never use an adapter plug to connect to a two-wire outlet, as it will break the continuity of the ground wire.

- b. The equipment requires the use of the ground wire as part of the safety certification. Modification or misuse can create a shock hazard, which could cause serious injury or death. c. If you have any questions about the installation, contact an electrician

qualified person or the manufacturer before connecting the equipment.

- d. The indicated AC adapter provides a safety ground. For installation in a building, adequate short-circuit back-up protection must be provided.

and. A protective connection must be installed in accordance with national wiring rules and regulations.

limited warranty

ui.com/support/warranty



Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide acceptable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The FCC has approved this radio transmitter.

ISED Canada

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

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

ISED Canada has approved this radio transmitter.

The device for operation in the 5150-5250 MHz band is intended for indoor use only to reduce the possibility of harmful interference to co-channel mobile satellite systems.

IMPORTANT NOTE

Radiation Exposure Statement:

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and used with a minimum distance of 103 cm between the radiator and your body.



Australia and New Zealand



Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference.

Brazil



Note: This equipment is not entitled to protection against harmful interference and may not cause interference in authorized systems.

CE marked

The CE marking of this product indicates that the product complies with all applicable directives.



list of countries



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

Members with broadband fixed wireless access are highlighted in blue



Note: This device complies with the maximum transmit power limit per ETSI regulations.

The following shall apply to products operating in the 5 GHz frequency range:



Note: This device is only suitable for indoor use when operating in the frequency range of 5150 - 5350 MHz in all member states.



Note: Operation in the 5.8 GHz frequency band is prohibited in member states with fixed broadband wireless access. The rest of the listed countries can use the 5.8 GHz frequency band.

[WEEE Compliance Statement](#)

[Declaration of conformity](#)

