
Quick Start Guide

Indoor Stand-Alone Access Point

SunSpot™ AC1200 and SunSpot™ N300

The SunSpot N300 and the SunSpot AC1200 are single- and dual-band concurrent access points (AP's) respectively. The units are designed to be operated either laying on a desk or mounted on a wall or ceiling. The box includes a mounting plate for attaching the AP to the ceiling. The access point can be powered either by the universal power supply included in the box or through an Ethernet cable connection from an optional PoE switch.

The Indoor Stand-Alone Access Points include these models:

- ◆ **SS-AC1200** — dual-band w/integrated 2.4 GHz and 5 GHz antennas
- ◆ **SS-N300** — single-band w/integrated 2.4 GHz antenna



Note: For Safety and Regulatory information, refer to the Safety and Regulatory Information document included with the AP.

Follow the steps in this guide to install the AP in your network.



Caution: The planning and installation of the AP requires professional personnel that are trained in the installation of radio transmitting equipment. The user is responsible for compliance with local regulations concerning items such as antenna power for instance. Therefore, it is recommended to consult a professional contractor knowledgeable in local radio regulations prior to equipment installation.

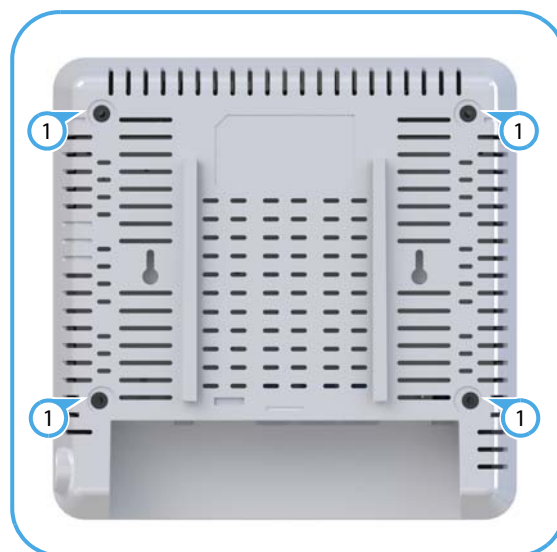
1. Unpack the AP

- ◆ Outdoor Stand-Alone Access Point SunSpot AC1200 or SunSpot N300
- ◆ Ceiling-mounting plate
- ◆ A bag with 4 screw anchors and 4 screws as well as 4 rubber feet
- ◆ Universal power supply — either US, Continental Europe or UK depending on the product code
- ◆ Documentation — *Quick Start Guide* and *Regulatory and Safety Information*

2. Mount the AP

Using the AP on a desk

If the AP is not mounted on a wall or on the ceiling, simply place the provided rubber feet on the AP.

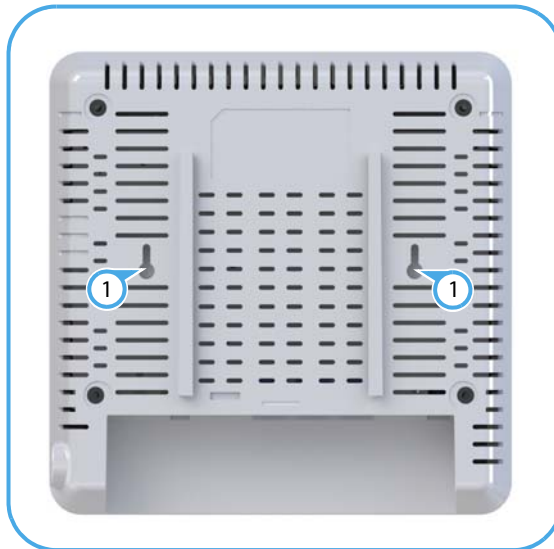


Desk operation

- 1 Place the provided rubber feet to cover the four screw holes.

Mounting the AP on a wall

Mount the unit on a wall using the provided screws.



Wall Mounting

- 1 Drill holes in the wall at an horizontal distance of 116 mm from each other. This distance corresponds to the distance between the mounting holes on the back of the AP.

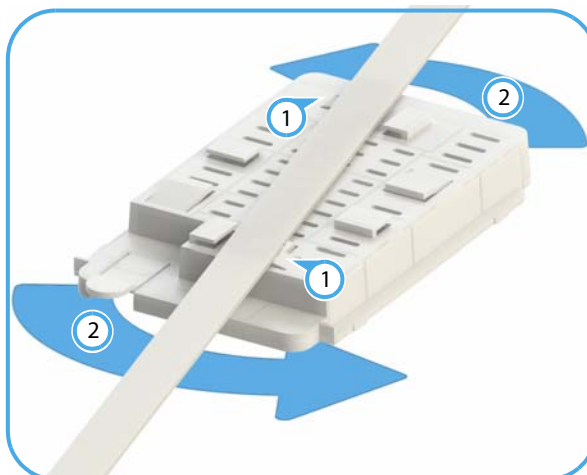
Use the screw plugs and screws provided in the box of the AP or verify that the size of the head of the screws is small enough to fit through the mounting holes (< 7 mm).

Screw the screws in the wall until they stick out just enough to enter the mounting holes.

Adjust the AP on the screws and then down in its final position.

Mounting the AP on the ceiling

If the room is equipped with a suspended ceiling, the mounting plate provided in the box can be used to attach the AP to the metal grid of the ceiling.



Suspended Ceiling Mounting

- 1 Press the retention clips of the mounting plate against the ceiling bar.
- 2 Rotate the plate while maintaining pressure until the bar snaps into place.



- 3 Slide the rails on the back of the AP along the sides of the ceiling mounting plate.

- i** The ceiling mounting plate supports two different kinds of ceiling bars. The position illustrated above is for 15 mm bars. Use the other position at a 90 degrees angle for 24.5 mm bars.

3. Connect Cables

Connect Ethernet cable to the 1000BASE-T (PoE) port on the unit.



- 1 Connect Category 5e or better cable to the leftmost RJ-45 port. This 1000BASE-T (PoE) port is named *ETH0*. Connect the other end of this cable to a LAN switch.
- 2 (Optional) Connect local LAN devices to any of the other RJ-45 ports of the connector panel using Category 5 or better cable. These 100BASE-T ports are named *ETH1* and *ETH2*.

4. Connect Power

The AP can be powered either by the power supply provided in the box or by an optional 802.3af/at PoE switch.

Powering the AP with a power supply



- 1 Connect the cable from the power supply to the DC connector of the AP.

Connect the power supply to a nearby AC power source (100-240 VAC, 50/60 Hz).

Powering the AP with a PoE switch (optional)

Simply connect the Ethernet cable from the *ETH0* port of the AP to a PoE port on a 802.3af/at compliant switch. Make sure that this switch is connected to the LAN.

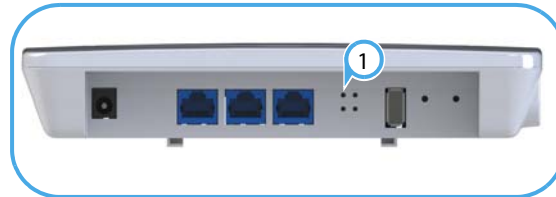


Note: Connecting the Ethernet cable from the AP to the injector module powers on the unit.

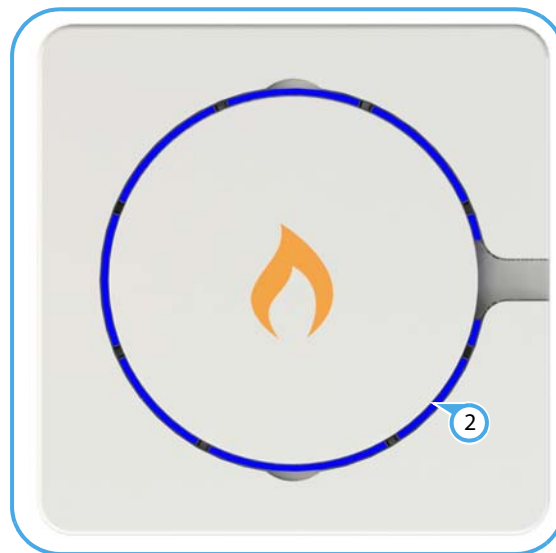
5. Verify AP Operation

Verify basic AP operation by checking the system LEDs.

the *ETH0* port LED on/blinking green, and the 2.4GHz/5GHz wireless LED on/blinking green (2.4 GHz) or blue (5 GHz).



1 *ETH0* (PoE) port link/activity LED.

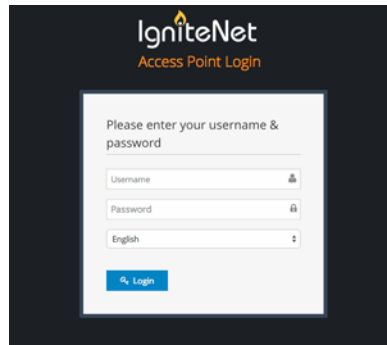


2 Wireless network link/activity LED.

6. Connect to the Web User Interface

The stand-alone APs offer a web-based management interface for the configuration of all the unit's features.

You can make initial configuration changes by connecting a PC directly to the AP's *ETH1* RJ-45 port. The AP has a default management IP address of 192.168.2.1 and a subnet mask of 255.255.255.0. You must set your PC IP address to be on the same subnet as the AP (that is, the PC and AP addresses must both start 192.168.2.x).



Log in to the web interface using the default settings:

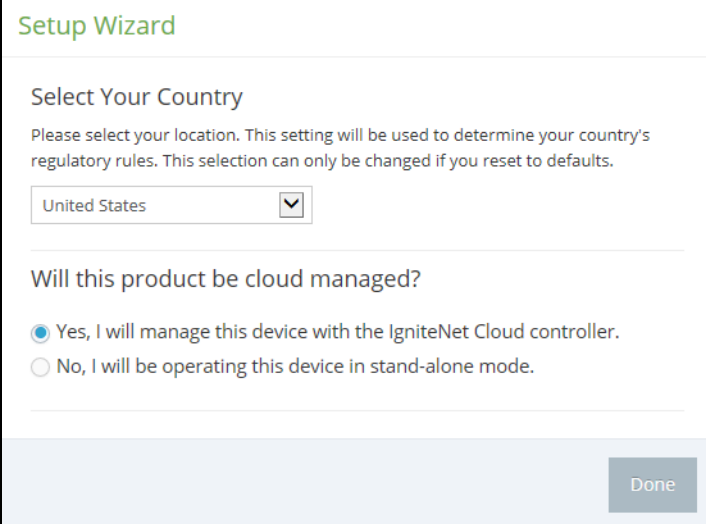
- ◆ Login Name — root
- ◆ Password — admin123

For more information on stand-alone AP configuration using the web interface, refer to the *User Guide*.

7. Complete the Setup Wizard

The first time you log in to the web interface, the Setup Wizard is displayed.

Select the country of operation for the AP. Setting the correct country ensures that the radios operate within local regulations specified for Wi-Fi networks.



The screenshot shows the 'Setup Wizard' interface. At the top, it says 'Setup Wizard' in green. Below that is a section titled 'Select Your Country'. The text reads: 'Please select your location. This setting will be used to determine your country's regulatory rules. This selection can only be changed if you reset to defaults.' There is a dropdown menu with 'United States' selected. Below this is another section titled 'Will this product be cloud managed?'. There are two radio button options: 'Yes, I will manage this device with the IgniteNet Cloud controller.' (which is selected) and 'No, I will be operating this device in stand-alone mode.' At the bottom right of the form is a 'Done' button.

Manage the AP with the IgniteNet Cloud Controller

Go to cloud.ignitenet.com to register your AP.

Log in and select **Devices** from the menu. Click **Add Device** and enter the AP serial number and MAC address to register the AP with your cloud network. The serial number and MAC address can be found on the product packaging or label.

Manage the AP in Stand-Alone Mode

If you select to manage the AP in stand-alone mode, complete the "Easy" or "Advanced" setup in the wizard.

For more information on AP configuration in stand-alone mode, refer to the *User Guide*.

Hardware Specifications

Item	Specification
Chassis	
Size (H x W x D:)	200 x 200 x 39 mm (7.87 x 7.87 x 1.53 inches)
Weight	626 g (1.38 lb)
Temperature	Operating: -20 °C to 65 °C (-4 °F to 149 °F) Storage: -30 °C to 80 °C (-22 °F to 176 °F)
Humidity	Operating: 15% to 95% (non-condensing)
Waterproof/Dustproof	IP55
Network Interfaces	
Ports	<i>ETH0</i> (PoE) RJ-45 Port: 1000BASE-T, passive PoE <i>ETH1</i> RJ-45 Port: 100BASE-TX <i>ETH2</i> RJ-45 Port: 100BASE-TX
2.4 GHz Radio	IEEE 802.11b/g/n
5 GHz Radio	IEEE 802.11a/n/ac
Radio Frequencies	2412 ~ 2472 MHz 2400 ~ 2483.5 MHz (Japan for SS-N300 and SS-AC1200) 2412 ~ 2462 MHz (NCC for SS-N300 and SS-AC1200) 5180 ~ 5320 MHz (ETSI) 5500 ~ 5700 MHz (ETSI) 5150 ~ 5250 MHz (Japan for SS-AC1200) 5280 ~ 5320 MHz (NCC for SS-AC1200) 5745 ~ 5825 MHz (NCC for SS-AC1200)
Power Supply	
Power Supply	AC Input: 100 ~ 240 VAC, 50-60 Hz, auto-sensing DC Output: 12 VDC, 2 A
PoE Input Power	48 VDC, 0.6 A
Power Consumption	24 W maximum
Regulatory Compliances	
Radio	EN 300 328 V1.8.1:2012 EN 301 893 V1.7.1:2012 EN 301 489-1 V1.9.2 (2011-09) EN 301 489-7 V1.3.1:2005 FCC Part 15C 15.247/15.207 (2.4-2.4835GHz, 5.725-5.850GHz) FCC Part 15E 15.407 (5.150GHz-5.250GHz)
Emissions	EN 55022 2010+AC:2011 EN 61000-3-2 2006+A1:2009+A2:2009 FCC Class B Part 15
Immunity	EN 55024 : 2010 EN 61000-4-2 : 2009