



## Installation Instructions

The AP 300 Access Port mounts either on a wall with wide-shoulder screws or on a suspended ceiling T-bar. This unit is not designed for mounting on a desk.

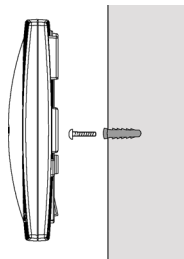
To prepare for installation, perform the following steps:

1. Match the model number on the purchase order with the model numbers in the packing list and on the case of the device shipped.
2. Verify that the contents of the box include the intended AP 300 Access Port and mounting hardware:

Item	Notes
WSAP-5110-100-WW	802.11a/b/g configuration. Mounting Hardware: Two wide-shoulder Phillips pan head self-tapping screws.
3.	Review site survey and network analysis reports to determine the location and mounting position for the AP 300 Access Port.
4.	Connect a CAT-5 cable to a compatible 802.3af power source and run the cable to the installation site. Ensure that there is sufficient slack on the cable to perform the installation steps.

### Wall Mount

This mounting requires hanging the AP 300 Access Port along its width or length using the two slots on the bottom of the unit. The AP 300 can be mounted onto any plaster, wood, or cement wall surface using the provided wall anchors when necessary. The illustration shows a lengthwise mount.



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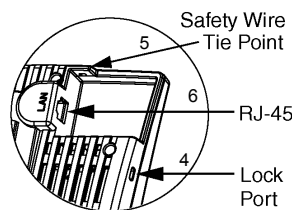
### Wall Mount Hardware

- Two wide-shoulder Phillips pan head self-tapping screws
- Two wall anchors
- Safety wire (recommended) and security cable (optional)

Note: In the event that the original mounting screws are lost, the following screws can be used instead: (ANSI Standard) #6-18 X 0.875in. Type A or AB Self-Tapping Screw, or (ANSI Standard Metric) M3.5 X 0.6 X 20mm Type D Self-Tapping Screw

### Wall Mount Procedure

1. Orient the case on the wall by its width or length.
2. Using the arrows on one edge of the case as guides, move the edge to the midline of the mounting area and mark points on the midline for the screws.
3. At each point, drill a hole in the wall, insert an anchor, screw into the anchor the wall mounting screw and stop when there is 1mm between the screw head and the wall.  
Note: When pre-drilling a hole the recommended hole size is 2.8mm (0.11in.) if the screws are going directly into the wall and 6mm (0.23in.) if the provided wall anchors are being used.
4. If required, loop a safety wire—with a diameter of at least .101cm (.04in.) but no more than .158cm (.0625in.)—around the tie point and secure the loop.
5. If required, install and attach a security cable to the unit's lock port.
6. Attach the Ethernet cable to the unit and to a switch with an 802.3af-compatible power source.



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7. Place the middle of each of the case's mount slots over the screw heads.
8. Slide the case down along the mounting surface to hang the mount slots on the screw heads.

9. Verify the unit has power by observing that the LEDs are lit or flashing.

### Suspended Ceiling T-Bar Mount

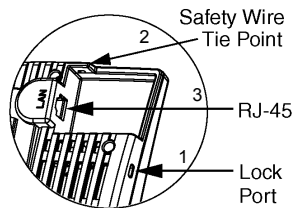
Ceiling mount requires holding the AP 300 Access Port up against a T-bar of a suspended ceiling grid and twisting the case onto the T-bar.

### Ceiling Mount Hardware

- Safety wire (recommended) and security cable (optional)

### Ceiling Mount Procedure

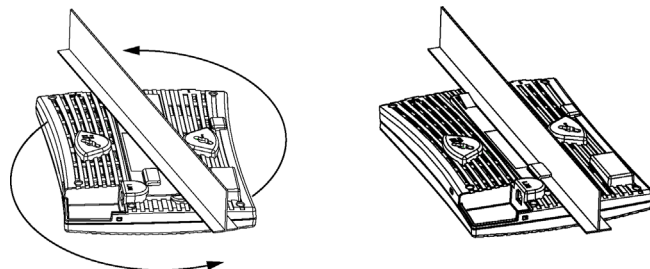
1. If required, loop a safety wire—with a diameter of at least .101cm (.04in.) but no more than .158cm (.0625in.)—through the tie post and secure the loop.
2. If required, install and attach a security cable to the lock port.
3. Plug the Ethernet cable into the the unit and to a switch with an 802.3af-compatible power source.



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4. Face the bottom of the T-bar with the back of the case.
5. Orient the case by its length and the length of the T-bar.
6. Rotate the case in place 45 degrees clockwise, or about 10 o'clock.
7. Push the back of the case onto the bottom of the T-bar.

8. Rotate the case 45 degrees counter-clockwise. The clips click as they fasten to the T-bar.



9. Verify the unit has power by observing the LEDs.

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## Regulatory Information

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required. Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Use only the approved antennas. Unauthorized antennas, modifications, or attachments could cause damage and may violate regulations.

This device is to be used only with Symbol Technologies Wireless Switch.

### Country Approvals

Regulatory markings are applied to the device signifying the radio (s) are approved for use in the following countries: United States, Canada, Australia, Japan & Europe 1,2. Please refer to the Symbol Declaration of Conformity (DoC) for details of other country markings. This is available at <http://www2.symbol.com/doc/>.

*Note 1:* For 2.4GHz Products: Europe includes, Austria, Belgium, Croatia, Czech Republic, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

*Note 2:* The use of 5GHz RLAN's has varying restrictions of use; please refer to the Symbol Declaration of Conformity (DoC) for details.

Operation of the device without regulatory approval is illegal.

### Frequency of Operation

The use on UNII (Unlicensed National Information Infrastructure) Band 1 5150-5250 MHz is restricted to indoor use only.

## FCC/EU RF Exposure Guidelines



### Safety Information

The device complies with Internationally recognised standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices. It is advisable to use the device only in the normal operating position.

### 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 or similar configurations must operate with a minimum separation distance of 20 cm from all persons.

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### Power Supply

This device is powered from a 802.3af compliant power source which is UL approved.

### Radio Frequency Interference Requirements

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

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.

### Radio Transmitters

This device complies with RSS 210 of Industry & Science Canada. 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.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

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## CE Marking and European Economic Area (EEA)

The use of 2.4GHz RLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, outside usage is restricted to 2.4-2.454 GHz
- Belgium, outside usage is restricted to 2.460-2.4835 GHz
- Italy requires a user license for outside usage.

The use of 5GHz RLAN's has varying restrictions for use within the EEA; please refer to the Symbol Declaration of Conformity (DoC) for details at <http://www2.symbol.com/doc/>

### Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from <http://www2.symbol.com/doc/>

### Other Countries

Mexico - Restrict Frequency Range to: 2.450 - 2.4835 GHz.

Sri Lanka - Restrict Frequency Range to: 2.400 – 2.430 GHz.

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## Customer Support

Symbol Technologies provides its customers with prompt and accurate customer support. Use the Symbol Support Center as the primary contact for any technical problem, question or support issue involving Symbol products.

If the Symbol Customer Support specialists cannot solve a problem, access to all technical disciplines within Symbol becomes available for further assistance and support. Symbol Customer Support responds to calls by e-mail, telephone or fax within the time limits set forth individual contractual agreements.

When contacting Symbol Customer Support, please provide the following information:

- Device serial number
- Product name or model number
- Software type and version number

### North American Contacts

*Inside North America, contact Symbol at:*  
Symbol Technologies, Inc.  
One Symbol Plaza  
Holtsville, New York 11742-1300

1-631-738-2400/1-800-SCAN 234  
Fax: 1-631-738-5990

For warranty and service information, contact the Symbol Support Center: telephone 1-631-738-6213 or 1-800-653-5350; fax: (631) 563-5410; or E-mail: [support@symbol.com](mailto:support@symbol.com).

### Web Support Sites and Additional Information

MySymbolCare	<a href="http://www.symbol.com/services/msc/">http://www.symbol.com/services/msc/</a>
Symbol Services Homepage	<a href="http://symbol.com/services/">http://symbol.com/services/</a>
Symbol Software Updates	<a href="http://symbol.com/services/downloads/">http://symbol.com/services/downloads/</a>
Symbol Developer Program	<a href="http://software.symbol.com/devzone/">http://software.symbol.com/devzone/</a>
Symbol Knowledge Base	<a href="http://kb.symbol.com/register.asp">http://kb.symbol.com/register.asp</a>

Obtain additional information by contacting Symbol at:

- 1-800-722-6234, inside North America
- +1-631-738-5200, in/outside North America
- <http://www.symbol.com/>

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