AP9100 Wireless Access Point
Installation Instructions

Introduction

The AP9100 is a proprietary access point designed to support Indyme's wireless help buttons and sensors. The wireless signals are relayed via the LAN to an Indyme control unit for processing. The AP9100 is a Power over Ethernet (PoE) device and works with any 802.3af and 802.3at compliant switch.

Programming Parameters

The AP9100 has been pre-programmed at the factory and labeled with identification and network information.   On-site programming is NOT required.

Clone Mode

Enables the Access Point to broadcast the Netcode to other Indyme wireless devices. All wireless devices and access points must have the same Netcode to communicate.

> With the AP9100 powered up:
> Press and Hold the –VOL and +VOL buttons simultaneously for approximately 5 seconds
> The RF **LED** will flash Red and Green indicating the AP is in Clone Mode
> Follow the directions provided with your wireless device to obtain the Netcode information
> When ready to exit Clone Mode momentarily press either –VOL or +VOL
> The RF LED will return to a solid Green indicating that the AP is in standard operating mode

Installation

Generally floor plans will be provided for a specific installation with the optimal installation location(s) marked.

Tools Needed

- Phillips screwdriver
- Wire cutters
- RJ45 Crimp Tool
- Cable, CAT5E RJ45/RJ45

Location Considerations

The AP9100 can be installed on the outer walls or in the ceiling as needed for the coverage required. Plan the installation such that each AP has the clearest possible "line-of-sight" to the largest possible expanse of the sales floor. Each AP will require PoE for network connectivity and power.

Indyme's help buttons and sensors use a low powered transmitter, and operate best with a clear line of sight to the nearest access point. Tall shelving, merchandise and metal signs can block or reduce the help button signals.

Mounting

1. Remove the AP9100 from its packaging.
2. Identify the desired mounting location and determine the best mounting option:
   Wall Mount:
3. For wall mounting use the keyholes on the backside of the AP9100 and space your screws 2.25" apart.
   a. After mounting make sure antenna is unfolded and pointing straight up away from the AP9100 housing.
   Ceiling Beam Mount:
4. For ceiling beam mounting use the included bracket to secure the AP9100 to the beam.
   a. Wood Beam – secure the included bracket to the AP9100 and then secure the bracket to the wood beam with appropriate screws.
   b. Metal Beam – secure the included bracket to the AP9100 and then secure the bracket to the metal beam with the included tie wraps.
   c. After mounting, spin the antenna so that it is pointing down towards the floor.
   Drop Ceiling Tiles:
5. For drop ceilings with tiles use the optional CB71 T-Rail Ceiling bracket (not included). Secure the CB71 bracket to the AP9100 and then secure the CB71 to the drop ceiling T-Rail.
   a. After mounting, spin the antenna so that it is pointing down towards the floor.

Wiring Considerations

- The AP9100 is a PoE device and requires connection to the stores LAN/WAN in order to operate.
  - Customer designated LAN/WAN PoE port
  - Indyme provided PoE switch
  - Single PoE injector with the LAN port connected to Net port on the control unit
- PoE wire runs cannot be over 300 feet.
- Locate the identified MDF or IDF that is closest to the desired installation location.
- Leave at least 15 feet of excess cable at the Access Point location in the event that the unit needs to be relocated.
- Provide proper strain relief for the cable at the Access Point.
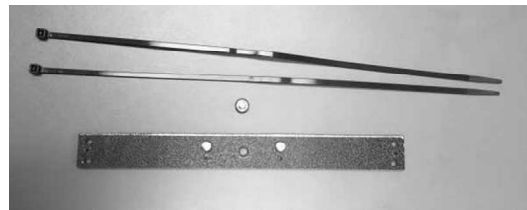
FCC Notice of Compliance

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.

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

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Industry Canada Notice of Compliance

This device complies with Industry Canada license-exempt RSS 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.

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts 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.

 Les changements ou modifications non approuvés expressément par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.

Innovation, Science and Economic Development Canada ICES 003 Compliance Label: CAN ICES-3 (B)/NMB-3(B)