



IP-APX

**POE+ WEATHER RESISTANT CONSTANT DIRECTIVITY IP HORN WITH
ROTATING BELL & WALL/ POLE MOUNT**

INSTALLATION GUIDE



**Installation Manual
Part Number: 1-11446**



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Installation

Note: Once unit is plugged into ethernet cable, unit will remain powered on. Unit must remain powered on for correct operation.

1. Remove horn and plugs from carton.
2. Determine mounting requirements:

Note: It is the installer's responsibility to mount the product in a safe manner. When selecting a mounting location, make sure that the location and mounting method will support the weight of the loudspeaker / horn. Additionally, please take into consideration other factors such as wind, vibration, snow/ice accumulation, etc. to eliminate the possibility of injury or property damage.

Wall Mount



- Attach base directly to wall via (4) pre-drilled holes in base, using suitable strength fasteners.

Strap or Clamp Mount to a Pole or Beam:



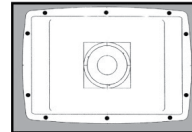
- Attach base directly to pole or beam via a 1/2" hose clamp or suitable banding strap. A beam clamp may also be utilized with the IP-APX base.
- Make sure that the strap, banding, or clamp is correct for the installation location/ environment.

Single Gang, Two Gang or 4" Sq. E.O. Box Mount:



- Using a box screw (#6) or a nail, align the center (2) knock out holes (4 holes in 2-gang box) in base and knock out holes with hammer.
- Remove rubber grommet in base and pull ethernet cable through hole in base. Seal around cable opening (if required).
- Attach base through (2) center knocked out hole (4 outer holes on 2-gang box).

Flush/ Bulkhead Style Mounting:



- Cutout size of the loudspeaker is 13 1/8" x 8 5/8" K.O.'s are 1/4" holes.

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3. Wire ethernet cable to horn

- a. Remove cap to RJ45 connector.



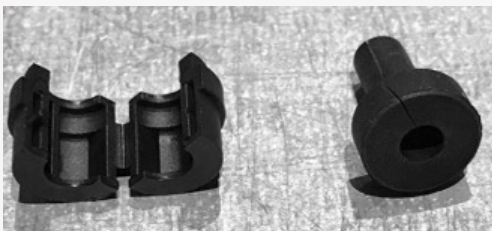
- b. Take external RJ45 connector from accessory package, unscrew the top cap and remove the middle plug.



- c. Take main body of external RJ45 connector and screw onto connector on enclosure.



- d. Take middle plug and separate hard cap, washer, and rubber insert.



- e. Take screw cap and feed ethernet cable through, then wrap cap, washer, and rubber insert around cable.



- f. Plug Ethernet cable into connector and push lug into main connector body.



- g. Take screw cap and screw onto end of main connector.



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4. Wiring a secondary speaker to the IP-APX

Note: If wiring secondary speaker, the secondary speaker needs to be set at 8 Ω .

Note: If removing the lid using a drill, make sure the drill is set to the lowest clutch setting and the lowest speed setting.

- Remove screws from lid using #10 Torx screwdriver and remove lid from unit. Set (6) screws aside.
- Remove plug for speaker wire plug from side of the unit.



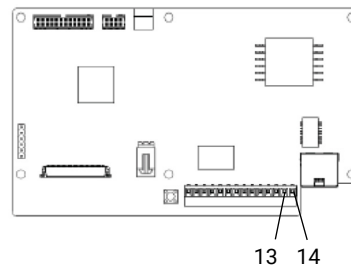
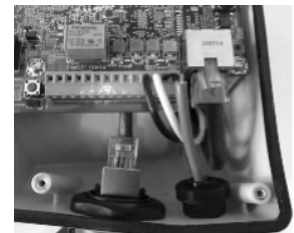
- Take external speaker wire connector from accessory package and unscrew the top cap.



- Take plug portion, fit it into mounting hole in enclosure and screw on cap, one rotation, to hold plug in place.



- Feed speaker wire through the front of the plug so there is enough wire to connect to phoenix connector pins 13 (-) and 14 (+) on the PCB board. Tighten down wires to PCB board and pull slack out of wire.



- Securely tighten cap to plug.
- Place lid on enclosure and secure with the (6) screws.

Note: Ensure gasket is in place and screws are screwed down tightly so lid is securely firm to enclosure and gasket is compressed.

Note: If reinstalling the lid using a drill, make sure the drill is set to the lowest clutch setting and the lowest speed setting.

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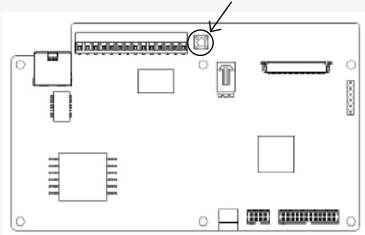
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5. Aim horn in the appropriate direction and lock into place by tightening wingnut on base assembly.
6. Rotate bell (if needed)
 - Loosen the tip assembly in horn bell by turning 1/2" turn counterclockwise, rotate bell to position (in 15" increments) and lock in place by turning tip 1/2" turn clockwise.
7. If IP-APX needs to be factory reset
 - Login to the AtlasIED IPX endpoint's WebUI and go to the Administration page. Scroll down to the bottom of the page and click the factory reset button. A popup will launch that states the endpoint was reset to factory defaults and to refresh the web browser. AtlasIED recommends rebooting the endpoint after confirmation.

Note: The lid of the enclosure will have to be removed to access the service button. Remove screws from lid using #10 torx screwdriver.

Note: If removing the lid using a drill, make sure the drill is set to the lowest clutch setting and the lowest speed setting.



To factory reset using the service button on the PCB board, remove the plug on the top of the enclosure (the hole aligns with the service button on the PCB board) and use a paper clip to tool to press the service button for 10 seconds. The IP-APX will announce that it is being restored to factory default settings.

Note: Ensure gasket is in place and screws are screwed down tightly so lid is firmly secured to enclosure and gasket is compressed.

Note: If reinstalling the lid using a drill, make sure the drill is set to the lowest clutch setting and the lowest speed setting.

FCC Notice

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.

Note: 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 reasonable 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.

AES67 Interoperability Mode

This product supports AES67 interoperability mode, configurable via Dante Controller software.

AES67 mode is mutually exclusive with standard Dante operation; select one mode at a time.

Configuration:

1. Open Dante Controller and navigate to the Device View for this unit.
2. Select the AES67 tab.
3. Enable AES67 mode. The device will switch from Dante to AES67 operation.
4. Configure multicast flow parameters (address, port, TTL) as required by your network.
5. To return to Dante mode, disable AES67 mode in the same tab.

Network Requirements:

- Firmware v2.x or later required.
- Managed Gigabit Ethernet switch with IGMP snooping enabled.
- PTP (IEEE 1588) grandmaster clock source on the network.
- Multicast routing configured if AES67 streams cross network segments.

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Limited Warranty

All products manufactured by AtlasIED are warranted to the original dealer/installer, industrial or commercial purchaser to be free from defects in material and workmanship and to be in compliance with our published specifications, if any. This warranty shall extend from the date of purchase for a period of three years on all AtlasIED products, including SOUNDOLIER brand, and ATLAS SOUND brand products except as follows: one year on electronics and control systems; one year on replacement parts; and one year on Musician Series stands and related accessories. Additionally, fuses and lamps carry no warranty. AtlasIED will solely at its discretion, replace at no charge or repair free of charge defective parts or products when the product has been applied and used in accordance with our published operation and installation instructions. We will not be responsible for defects caused by improper storage, misuse (including failure to provide reasonable and necessary maintenance), accident, abnormal atmospheres, water immersion, lightning discharge, or malfunctions when products have been modified or operated in excess of rated power, altered, serviced or installed in other than a workman like manner. The original sales invoice should be retained as evidence of purchase under the terms of this warranty. All warranty returns must comply with our returns policy set forth below. When products returned to AtlasIED do not qualify for repair or replacement under our warranty, repairs may be performed at prevailing costs for material and labor unless there is included with the returned product(s) a written request for an estimate of repair costs before any nonwarranty work is performed. In the event of replacement or upon completion of repairs, return shipment will be made with the transportation charges collect.

EXCEPT TO THE EXTENT THAT APPLICABLE LAW PREVENTS THE LIMITATION OF CONSEQUENTIAL DAMAGES FOR PERSONAL INJURY, ATLASIED SHALL NOT BE LIABLE IN TORT OR CONTRACT FOR ANY DIRECT, CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE ARISING OUT OF THE INSTALLATION, USE OR INABILITY TO USE THE PRODUCTS. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

AtlasIED does not assume, or does it authorize any other person to assume or extend on its behalf, any other warranty, obligation, or liability. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

Service

Should your IP Endpoint Speaker require service, please contact the AtlasIED warranty department through the online warranty claim process.

Online Warranty Claim Processes

1. Warranty submissions are accepted at: https://www.atlasied.com/warranty_statement where the type of return Warranty or Stock return can be selected.
2. Once selected, you will be prompted to enter your login credentials. If you do not have a login, register on the site. If already logged-in, navigate to this page by selecting "Support" and then "Warranty & Returns" from the top menu.
3. In order to file a Warranty Claim, you will need:
 - A. A copy of the invoice / receipt of the purchased item.
 - B. Date of Purchase.
 - C. The product name or SKU.
 - D. The item serial number (if no serial number exists, enter N/A).
 - E. A brief description of the fault for the claim
4. Once all required fields are completed, select the "Submit Button" You will receive 2 emails:
 - A. One with a confirmation of the submission.
 - B. One with a case# for reference should you need to contact us.

Please allow 2 - 3 business days for a response with a Return Authorization (RA) number and further instructions.

AtlasIED Tech Support can be reached at

1. 1-800-876-3333 or
2. atlasied.com/support.

Visit our website at www.AtlasIED.com to see other AtlasIED products.