

IP-RC

BLE CONTROLLED
RELAY BOARD

IP-PB

WEARABLE PANIC
BUTTON SYSTEM FOR IPX

QUICK INSTALLATION GUIDE



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INTRODUCTION

Thank you for purchasing the AtlasIED Rapid Alert system for IPX deployments.

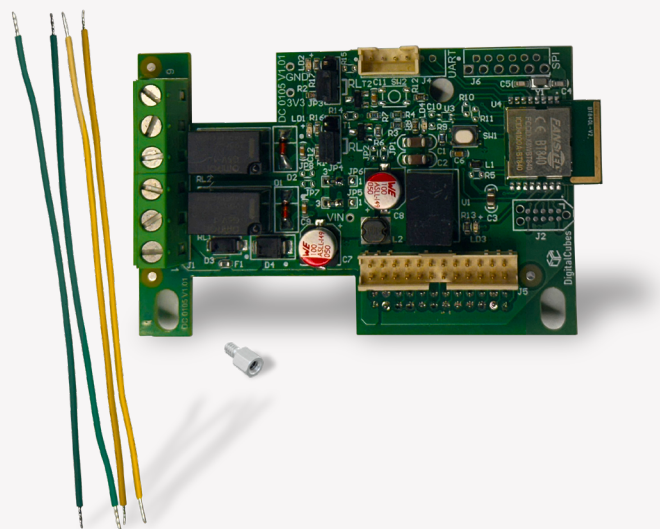
This guide will provide installation, and basic setup instructions.

Rapid Alert System provides wearable panic buttons for use by teacher, staff, and administrators to notify first responders very quickly of a situation that may occur on campus. The system consists of 2 parts the IP-RC is a relay board that mates with the IP Speakers main PCB, and responds to button presses on the IP-PB. The IP-PB is a wearable wireless badge with a single button that can trigger 2 separate events. 2 rapid button presses will activate relay 1, and 6 or more rapid presses will activate relay 2.

This system requires a new or existing IPX series IP Speaker system to operate.

WHAT'S IN THE BOX

- (1) **IP-RC:** BLE Controlled Relay Board.
- (4) Mounting Wires: 2 Yellow & 2 Green.
- (1) Hex Standoff.





KEY FEATURES

- BLE Controlled Relays.
- Powered by IPX Control Board or External 24VDC.
- 2 NO Relays.
- Configurable for Relay Closure or Pull-Down Transistor.

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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this device near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other device that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device.
11. Only use attachments / accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the device. When a cart is used, use caution when moving the cart / device combination to avoid injury from tip-over. 
13. Unplug this device during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
16. **WARNING:** To reduce the risk of fire or electric shock, this device should not be exposed to dripping, splashing, rain, or moisture, and objects filled with liquids, such as a vase, should not be placed on this device.
17. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
18. The mains plug of the power supply cord shall remain readily operable.
19. Protective earthing terminal. The apparatus should be connected to a mains socket with a protective earthing connection. 

CAUTION - SHOCK RISK



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: SHOCK HAZARD - DO NOT OPEN
AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

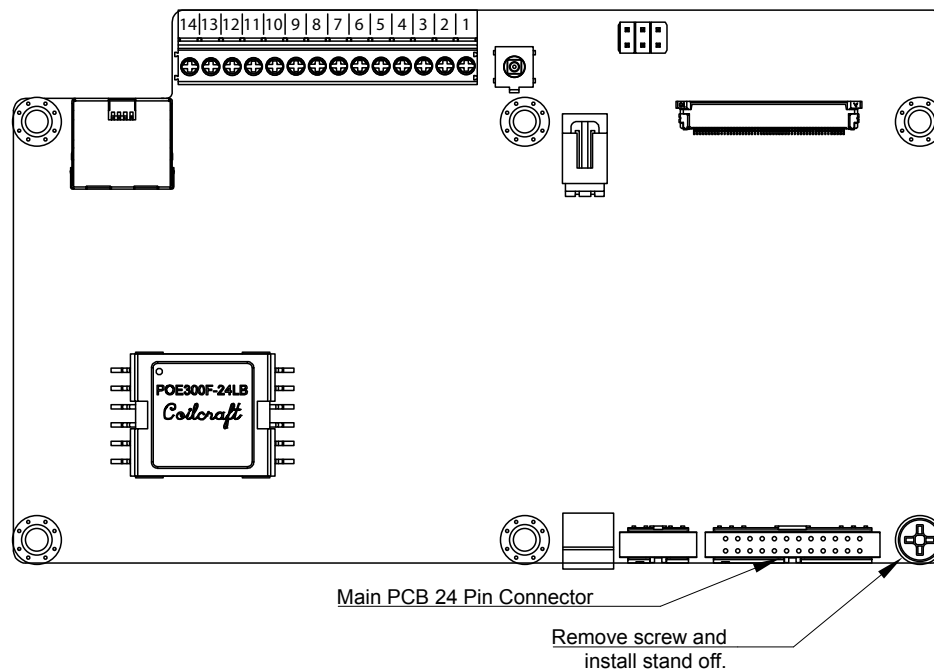
AVIS: NE PAS EXPOSER CE MATÉRIEL À LA PLUIE OU L'HUMIDITÉ
AFIN DE RÉDUIRE LE RISQUE D'INFLAMMATION OU DE CHOC ÉLECTRIQUE

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INSTALLING THE IP-RC

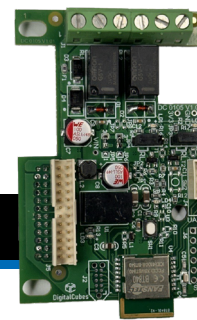
1. Remove the IP Speaker from its enclosure and disconnect from the network.
2. Locate the 24 pin daughter board connector on the IP Speakers main PCB. (**Fig 1**)



(Fig. 1)

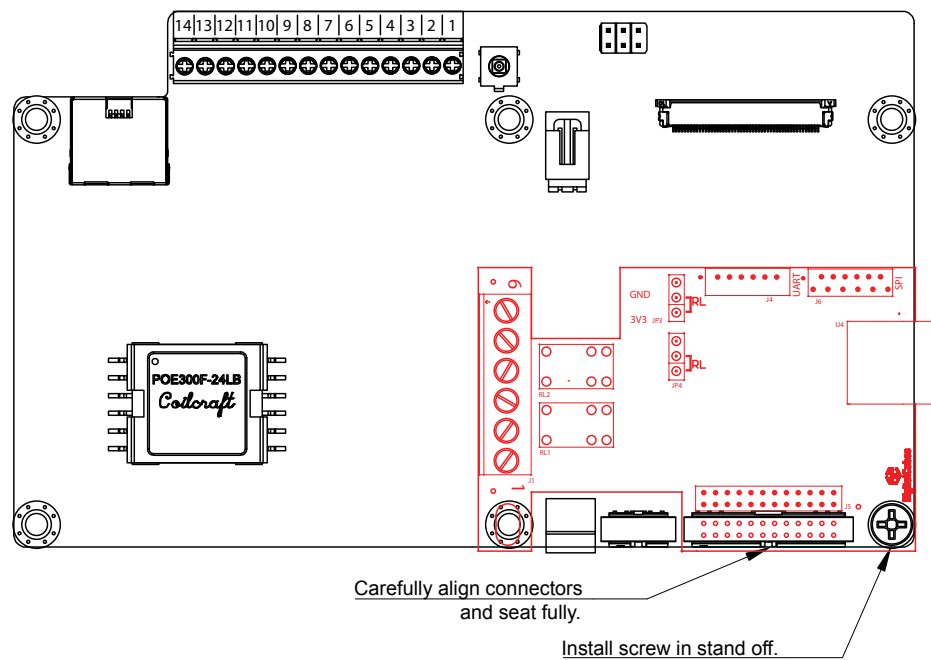
3. Remove the mounting screw from the lower left corner of the main PCB then install and tighten the included standoff. (**Fig. 1**)

INSTALLING THE IP-RC - (continued next page).



INSTALLING THE IP-RC - (CONTINUED)

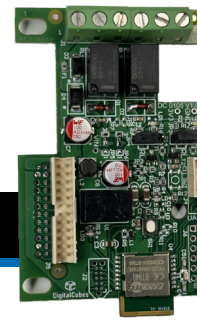
4. Carefully align the 24 pin connector of the IP-RC PCB with the 24 Pin daughter board connector and seat fully. (Fig. 2)



(Fig. 2)

5. Reinstall the PCB mounting screw that was removed in step 3.

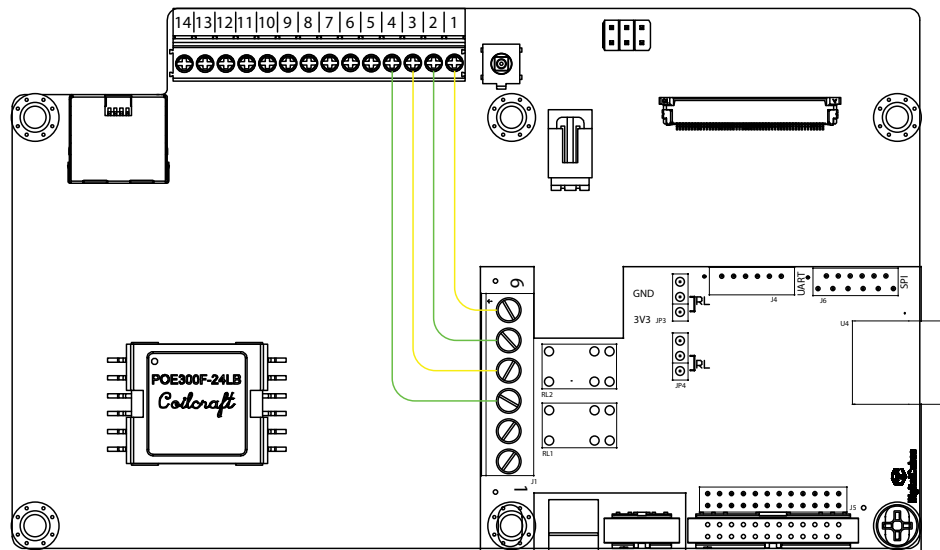
INSTALLING THE IP-RC - (continued next page).



INSTALLING THE IP-RC - (CONTINUED)

6. Install the included wires from the IP-RC connector to the main PCB connector as follows. **(Fig. 3)**

- a. Main PCB pin 1 to IP-RC Pin 6 (Logic 2+)
- b. Main PCB pin 2 to IP-RC Pin 5 (Logic 2-)
- c. Main PCB pin 3 to IP-RC Pin 4 (Logic 1+)
- d. Main PCB pin 4 to IP-RC Pin 3 (Logic 1-)



(Fig. 3)

7. Confirm all connections are secure then reinstall the IP speaker in its enclosure and reconnect the network.



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CONFIGURE IP SPEAKER TO TEST IP-RC's FUNCTIONALLY

1. Log into IP speaker under test by navigating to its IP address via a PC browser on the same network as the IP Speaker. Default credentials

User: admin

Password: last 6 digits of its MAC address

2. Click on the **"Hardware"** tab, check **"Yes"** on Play Local Audio for Logic Input 1 and 2. Then click **"Save"** (Fig 4).

The screenshot shows the AtlasIED IP-SDMF v1.8.0 web interface. The 'Hardware' tab is selected. In the top right, there are buttons for 'Save', 'Reboot', and 'License'. Below the tabs, there are two settings panels: 'Logic input 1 Settings' and 'Logic input 2 Settings'. Each panel has the following options: Trigger type (Normally open, Normally closed, Latching), Activate Relay (Yes, No), Sensor Switch Delay (slider), Audio (Play local audio: Yes, No; Local audio file: dropdown), Repeat audio count (input field), SIP (Call extension: Yes, No; Extension to dial: input field). Red arrows point to the 'Play local audio' 'Yes' radio buttons in both panels and the 'Save' button.

(Fig. 4)

3. Pressing the button 2 times on the IP-PB should cause the IP Speaker to play the Logic Input 1 Triggered audio message.

4. Pressing the button 6 times or more on the IP-PB should cause the IP Speaker to play the Logic Input 2 Triggered audio message.

Note: If both messages play successfully then the hardware installation is completed.



CONFIGURE IP SPEAKERS TO TRIGGER INFORMACAST WHEN BUTTONS ARE PRESSED

1. Configure IP Speakers as a SIP endpoint in InformaCast.
2. Create DialCast events in InformaCast for each GPI input. (i.e. Assistance Needed, Lockdown).
3. Setup the IP Speakers to call DialCast extensions. (**Fig 5**)
 - a. Confirm "Play Local Audio" button is set to **No** for both Logic Inputs.
 - b. Check **Yes** for "Call Extension" for both Logic Inputs.
 - c. Enter the DialCast extensions for Logic Inputs 1 and 2.
 - d. Click "Save".

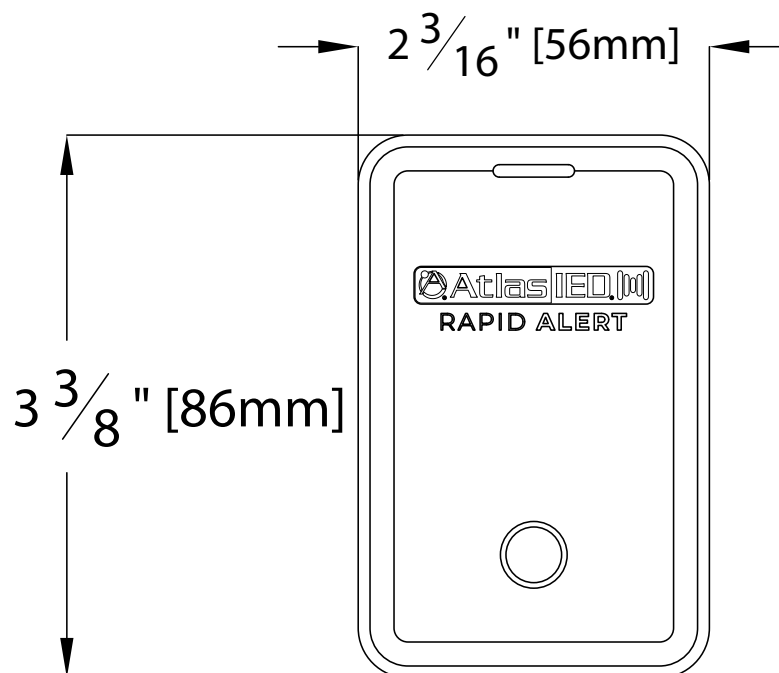
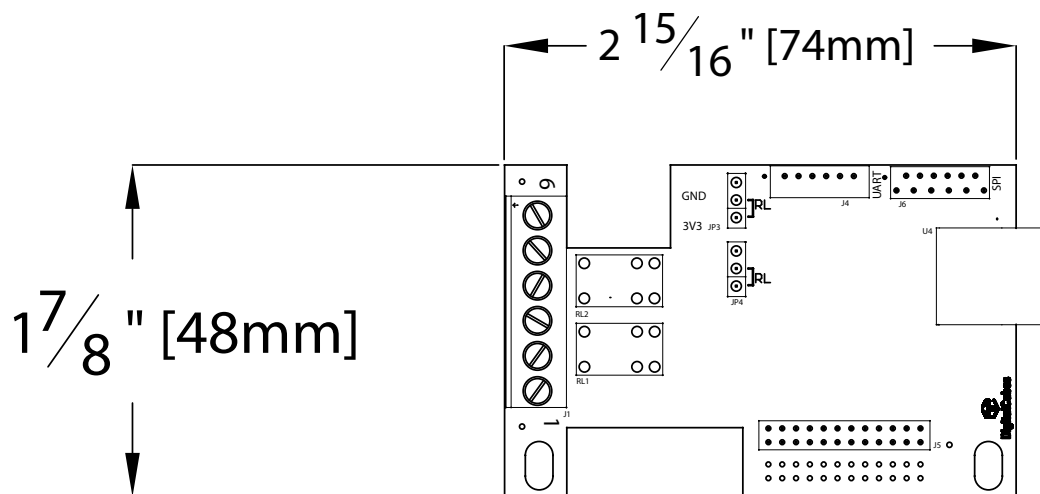
The screenshot shows the 'Hardware' tab of the AtlasIED IP-SDMF v1.8.0 web interface. It displays settings for two logic inputs. For Logic input 1, the 'Call extension' is set to 'Yes' and the 'Extension to dial' is '101'. For Logic input 2, the 'Call extension' is set to 'Yes' and the 'Extension to dial' is '102'. The 'Play local audio' is set to 'No' for both. A green 'Save' button is at the top right of the settings area.

(Fig. 5)

Note: Refer to SingleWire's Partner Portal for instructions setting up IP Speakers as a SIP Endpoint, and DialCast.
[Partner Portal - Singlewire Software](#)

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DIMENSIONAL DRAWINGS



FRONT



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COMPATIBILITY DEVICE LIST

CATEGORY	DEVICES
Compatible Devices	IP-SDMF, IP-SDMF-72, IP-SDM, IP-SDM-72, IP-SDH, IP-SM, IP-SM-72, IP-DDS, IP-DD, IP-12SYSM, IP-12SYSMF, IP-22SYSM, IP-22SYSMF, IP-DM, IP-DMF, IP-F
Not Recommended Devices	IP-8SM, IP-HVP, IP-8SCMF IP-APX, IP-PM8GD-B, IP-ZCM, IP-ZCM1RMK, IP ZCM2RMK

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ARCHITECT & ENGINEER SPECIFICATIONS

The Rapid Alert system shall include AtlasIED model IP-RC and IP-PB.

The IP-RC shall be plugged in to the AtlasIED IPX Series IP speakers control board. The IP-RC contains two relay closures that shall be used to activate either or both of the GPI inputs on the IPX controller board.

Activating a rapid series of button pushes on the IP-PB will result in a relay closure on the IP-RC. 2 rapid button presses will activate relay 1 and 6 or more rapid button presses will activate relay 2.

The IP-RC relay closure will cause the IPX series GPI inputs to activate a pre-programmed message activation on either AtlasIED's GCK®, Syn-Apps' Revolution®, Singlewire's InformaCast® software platforms.

Connecting wires and mounting hardware shall be included.

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-RC, IP-PB 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. Copy of the invoice / receipt of the purchased item.
 - B. Date of Purchase.
 - C. The product name or SKU.
 - D. The serial number for the item (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:
 - (1) with a confirmation of the submission .
 - (2) with a case# for your 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:

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

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