

**AL-EAGLE**



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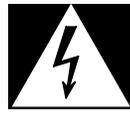
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**Important Safety Instructions**



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.

**WARNING**  
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK  
 DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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 devices (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device.
10. Only use attachments/accessories specified by the manufacturer.
11. 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.
12. Unplug this device during lightning storms or when unused for long periods of time.
13. 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.
14. **WARNING:** To reduce the risk of fire or electric shock, this device should not be exposed to rain or moisture and objects filled with liquids, such as a vase, should not be placed on this device.
15. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
16. The mains plug of the power supply cord shall remain readily operable.



**CAUTION – When Installing the Product**

- Plugging in or unplugging the power cord with wet hands may result in electric shock.
- Never move the device with the power cord plugged into the wall, as damage to the power cord may result.
- When unplugging the cord from the wall, grasp the plug, NOT the cord.
- Never install this device in humid or dusty locations, nor in direct sunlight, near sources of heat, or in areas where sooty smoke or steam are present. Fire and electric shock may result.
- Keep all sides of the device at least 3½" away from objects that may obstruct air flow to prevent the unit's internal temperature rise.

**WARNING – When the Device is in Use**

- To prevent electric shock, do not remove the device cover as there are high voltage components inside. Refer all servicing to Atlas Sound.
- Should any of the following irregularities occur during use, immediately switch off the power, disconnect the power cord from the AC outlet and contact Atlas Sound. Do not attempt to continue operation with the device as this may cause fire or electric shock:
  - Smoke or strange smell coming from the unit.
  - If the device falls or the case is damaged.
  - If water or any metallic objects falls into the device.
  - If the power supply cord is damaged in any way.
  - If the device is malfunctioning.
- Do not insert or drop metallic objects or flammable materials into the ventilation holes of the device's cover, as this may result in electric shock or fire.
- Do not place any containers with liquid or metallic objects on the top of the device. If any liquid spills into the unit, fire or electric shock may result.
- Never operate this device or touch the power supply cord during an electrical storm, electric shock may result.
- Never exceed the wattage on the product when connecting equipment. Fire and/or property damage may result.
- Operate the device only with the voltage specified on the unit. Fire and/or electric shock may result if a higher voltage is used.
- Do not modify, kink, or cut the power cord. Do not place the power cord in close proximity to heaters and do not place heavy objects on the power cord, including the device itself, doing so may result in fire or electrical shock.
- Ensure that the safety ground terminal is connected to a proper ground. Never connect the ground to a gas pipe as a catastrophic disaster may result.
- Be sure the installation of the product is stable, avoid slanted surfaces as the product may fall and cause injury or property damage.

**CAUTION – When the Device is in Use**

- Never place heavy objects on the product, causing it to fall and/or break, resulting in personal injury and property damage. In addition, the product itself may fall and cause injury and property damage.
- Ensure that the power supply plug is securely plugged into the wall outlet. Never allow dust to accumulate on the power plug or inside the wall outlet.
- When cleaning the unit or the unit is not to be operated for an extended time period, unplug power cord from the wall.





## Introduction

Congratulations and thank you for purchasing the Atlas Sound AL-EAGLE Atlas Learn wireless infrared receiver. This new and innovative professional grade audio interface has been designed from the ground up to include unique features required for delivering clear and concise audio to the classroom.

## Features

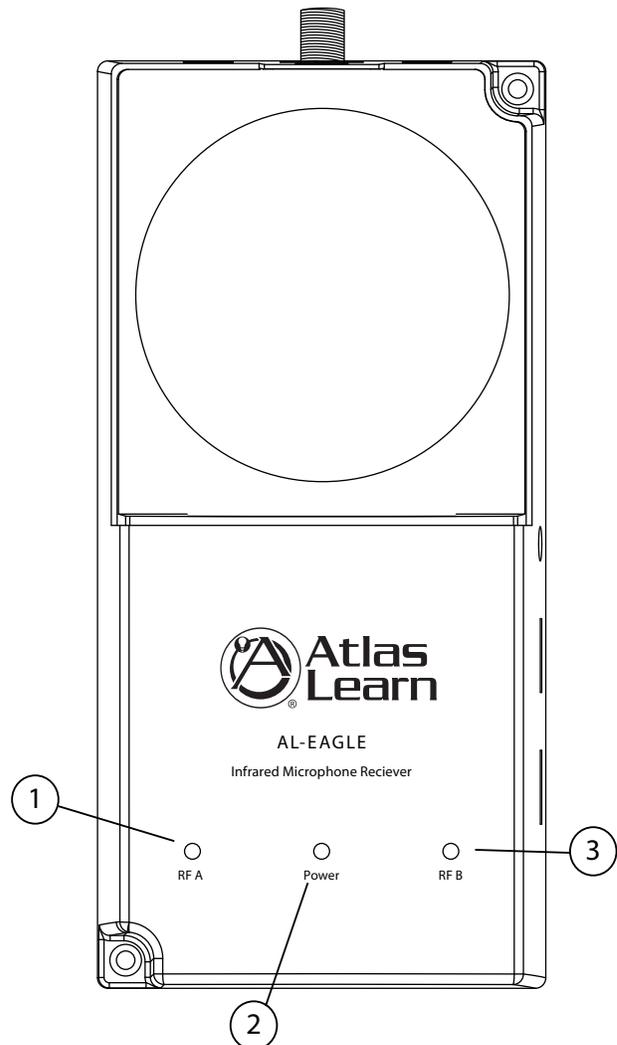
- Works in Conjunction with Secondary Systems to Provide Enhanced Classroom Security
- Provides Excellent Infrared Wireless Sound Reinforcement
- Easily Integrates Into Any Classroom
- Supports 2 Transmitters

## Applications

The Atlas Learn AL-EAGLE infrared receiver is an in-classroom sound reinforcement solution designed for use in K-12 and higher education facilities or where a room constrained public address system is required. This receiver is designed to work with Atlas Learn wireless infrared microphones, AL-MAGPIE and AL-MYNA, and a local audio amplifier to allow teachers and students to walk freely around the classroom with the infrared microphones/system control units and project their voices through connected, installed speakers.

## Functions

1. **IR A LED**  
This LED will illuminate when an active AL-MAGPIE or AL-MYNA microphone is set to Channel A.
2. **Power LED**  
This LED will illuminate when the AL-EAGLE is turned on.
3. **IR B LED**  
This LED will illuminate when an active AL-MAGPIE or AL-MYNA microphone is set to Channel B.





4. Volume Controls

These rotary controls will adjust the volume of both microphone A and microphone B and mix them internally for output to the local amplifier.

5. Remote Antenna Input

This "F" type connector is used for input of an additional AL-IRDS antenna if improved coverage is needed.

6. Power

This push button will turn the AL-EAGLE On or Off.

7. DC Input 18V

AL-EAGLE power supply input.  
(NOTE: Use only included power supply)

8. Panic Output

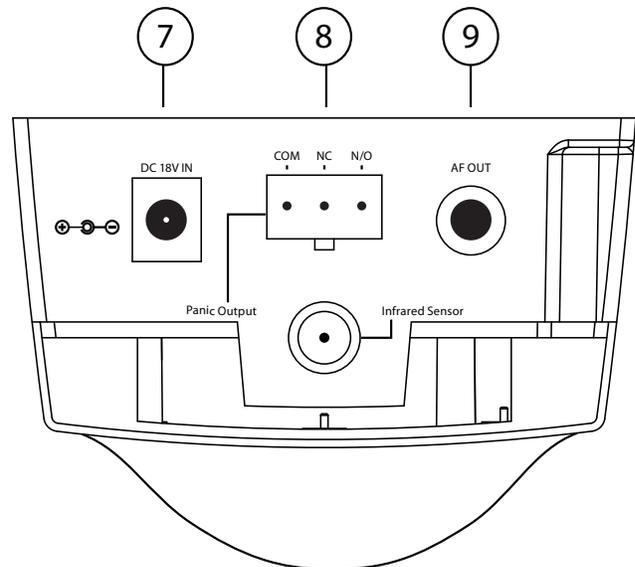
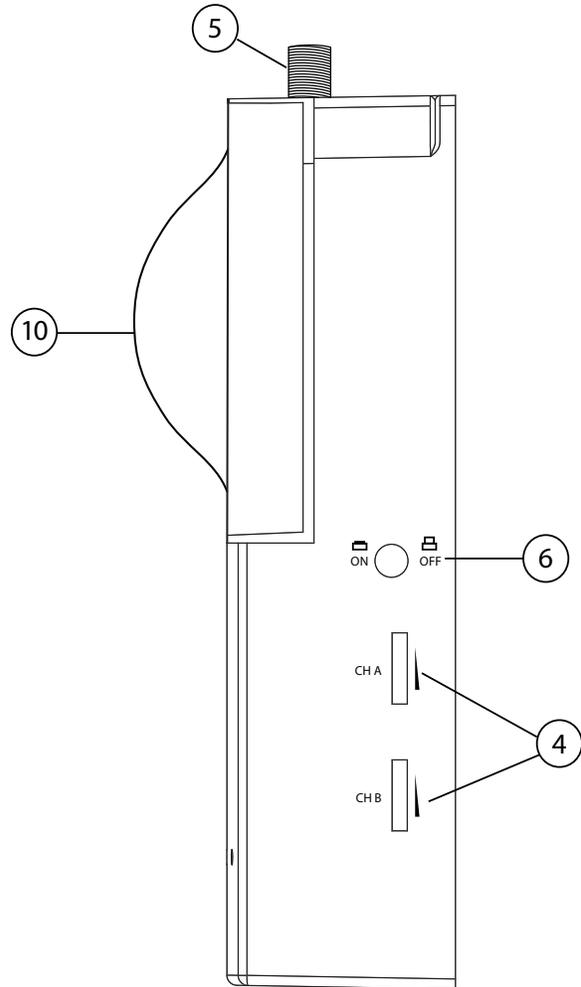
This SPDT relay output is controlled via the PANIC button on the wireless microphones.

9. Audio Output

Single RCA output for connection to local amplifier input.

10. Infrared Sensor

Receives infrared signals from atlas wireless microphones.



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## AL-EAGLE Installation Description

1. Unpack AL-EAGLE and confirm that the unit is undamaged.
2. Find suitable location for the AL-EAGLE within 6' of a 120VAC outlet.
3. An appropriate location is high on a wall, on the ceiling, or somewhere it will have a line of site view from the AL-MAGPIE/AL-MYNA (sold separately) transmitters.
5. Connect the audio output of the AL-EAGLE to the local amplifier.
6. Set one wireless microphone to IR Channel A and the other wireless microphone to Channel B.  
Power on both wireless microphones by holding each power button for three seconds and confirm that the appropriate IR Channel LEDs on the AL-EAGLE are illuminated.
7. Speak into the microphone and press the Up Volume button on the wireless microphone until the desired volume is reached at the speakers. If the appropriate level cannot be attained, increase the side panel Channel A or B volume on the AL-EAGLE until maximum volume without feedback is reached and then adjust the microphone volume on the wireless microphone for proper listening level.
8. Walk around the room while speaking into the microphone to confirm there are no signal dropout locations.

## Wiring the AL-EAGLE

### Panic Output Relay

Use 2 conductor unshielded, twisted pair stranded wire of the appropriate gauge.  
If you are unsure about this, contact Atlas Sound Tech Support at 1-800-876-3333.

### Additional IR Domes

Use coaxial cable. Both ends of the cable need to be terminated with "F" type connectors.

### Unbalanced Output

Pre-made RCA cable can be purchased from Atlas Sound to simplify interconnection to external amplifier

## Specifications

Line Output Connector Type	RCA
Line Output Impedance	1K
Line Output Voltage	1.3V
PSU Type	100V-240V In, 18VDC / 1A Out
IR Input Impedance / Connector Type	75Ω / F Connector
IR Frequencies	2.35mHz    2.85mHz
Panic Output Contact Rating	5A@ 36V
Height	7.75" (196.85mm)
Width	3.33" (84.58mm)
Depth	2.50" (63.5mm)
Weight	.5lbs (.23kg)







**AL-EAGLE**

**Atlas Learn  
IR Receiver**

**Owner's Manual**

## Limited Warranty

All products manufactured by Atlas Sound 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 Atlas Sound 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. Atlas Sound 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 Atlas Sound 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, ATLAS SOUND 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.

Atlas Sound 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.



Should your AL-EAGLE require service, please contact the Atlas Sound warranty department at 1-866-689-8055, ext. 277 to obtain an RA number.

Atlas Sound Tech Support can be reached at 1-800-876-3333.

Visit our website at [www.AtlasSound.com](http://www.AtlasSound.com) to see other Atlas products.

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