

Power over Ethernet Mid-Span Power Supply



Version Information

Version	Release Date	Notes
2	Jun 2024	New color format

Sales, Marketing, and Customer Support

Main Office

Atlona Incorporated
1234 Lakeshore Dr Ste. 150
Coppell, TX 75019
United States

Office: +1.408.962.0515

Sales and Customer Service Hours
Monday - Friday: 8:00 a.m. - 6:30 p.m. (MST)

<https://atlona.com/>

International

+41 43 508 4321 (EMEA)
+65 6305 7575 (APAC)

Sales and Customer Service Hours
Monday - Friday: 09:00 - 17:00 (UTC +1)

Operating Notes



IMPORTANT: Visit <https://atlona.com/product/at-ps-poe/> for the latest firmware updates and User Manual.

Warranty



To view the product warranty, use the following link or QR code:

<https://atlona.com/warranty/>

Safety and Certification



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT OPEN ENCLOSURE OR EXPOSE TO RAIN OR MOISTURE. NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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



The information bubble is intended to alert the user to helpful or optional operational instructions in the literature accompanying the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of a 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 product.
11. Only use attachments/accessories specified by Atlona.
12. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
13. Unplug this product during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the product 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 product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.



FCC Compliance

FCC Compliance and Advisory Statement: This hardware 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. 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 in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed or 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: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for help. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

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Introduction

The Atlona **AT-PS-POE** is a 48 VDC mid-span power injector designed to send remote power to HDBaseT products that operate on IEEE 802.03af Power over Ethernet. When placed within an HDBaseT transmission line, it allows two PoE-powered products to work together. The power supply features two power switches to selectively send power up- or down-stream. The PS-POE is housed in a compact enclosure and can be conveniently placed anywhere between the transmitter and receiver to provide power for PoE-powered devices.

Power Source Equipment (PSE) devices have an internal power supply or plug into external power supply and provide power to the HDBaseT cable. Powered Devices (PD) receive their power from the HDBaseT cable.

The PS-POE can be used with Atlona HDVS-200 and UHD-EX Series HDBaseT endpoint devices requiring remote PoE powering, especially when used with HDBaseT-equipped products that do not provide PoE, including displays, switchers, or third-party endpoints.

Features

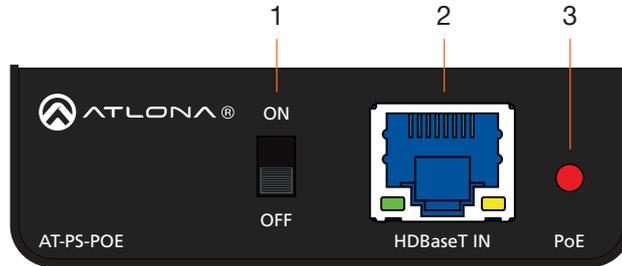
- Power supply for remote powering for powered devices on HDBaseT transmission lines
- Mid-span power supply
- Power switches for incoming and outgoing line
- Supports 4K/UHD signals
- Upgrade for PoCc systems
- Low-profile, discreet enclosure
- Award-winning 10 year limited product warranty

Package Contents

1 x AT-PS-POE
1 x 48 V / 0.83 A DC power supply
1 x 2-pin captive screw connector
1 x AC power cord
1 x User manual

Panel Description

Front Panel



1 ON/OFF

Toggles power transmission to the transmitter on and off. When set to the **ON** position, power will be supplied to the transmitter over the **HDBaseT IN** port.



IMPORTANT: If the transmitter has power, then this switch must be set to the **OFF** position.

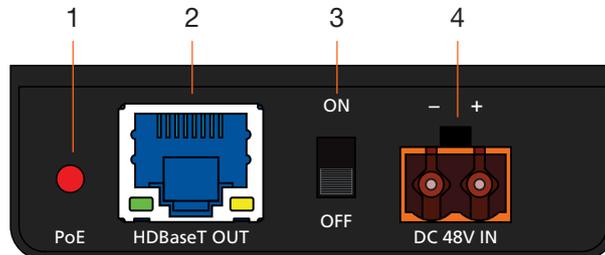
2 HDBaseT IN

Connect a category cable (CAT-5e or better) from this port to the transmitter.

3 PoE

This LED indicator is red when the **ON/OFF** switch is set to the **ON** position. In this state, power will be supplied to the transmitter over the **HDBaseT IN** port.

Rear Panel



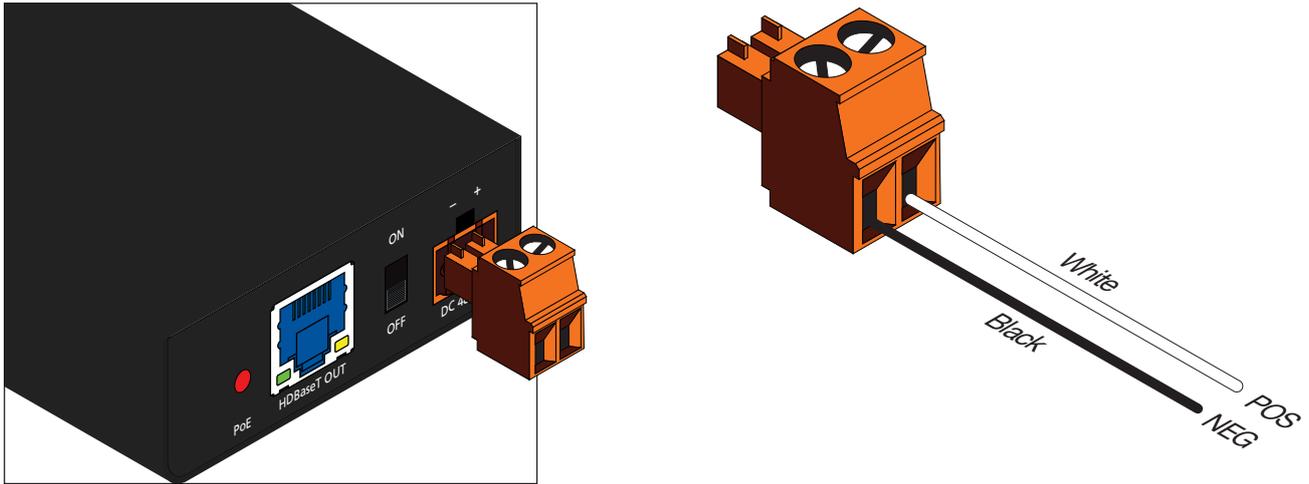
- 1 PoE**
This LED indicator is red when the **ON/OFF** switch is set to the **ON** position. In this state, power will be supplied to the transmitter over the **HDBaseT IN** port.
- 2 HDBaseT OUT**
Connect a category cable (CAT-5e or better) from this port to the receiver.
- 3 ON/OFF**
Toggles power transmission to the receiver on and off. When set to the **ON** position, power will be supplied to the receiver over the **HDBaseT OUT** port.

 **IMPORTANT:** If the receiver has power, then this switch must be set to the **OFF** position.
- 4 DC 48V IN**
Connect the included 2-pin captive screw connector to this port. Refer to [External Power Supply \(page 9\)](#) for more information.

Installation

External Power Supply

The AT-PS-POE is powered by the included 48 V / 0.83 A DC power supply. Insert the positive and negative leads, from the power supply, into the terminals of the 2-pin captive screw connector block, as shown. The orange 2-pin captive screw connector block is included.



Connection Instructions

1. Connect a category cable (CAT-5e or better) from the **HDBaseT IN** port to the transmitter device.
2. Connect a category cable (CAT-5e or better) from the **HDBaseT OUT** port to the receiver device.
3. Connect the included 48 V / 0.83 A DC power supply to this port. Refer to [External Power Supply \(page 9\)](#) for more information.
4. Set the transmitter **ON/OFF** switch to the proper position.



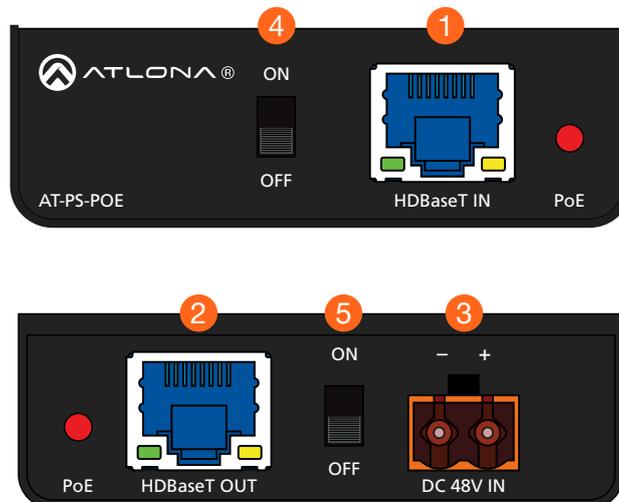
IMPORTANT: If the transmitter has power, then this switch must be set to the **OFF** position.

5. Set the receiver **ON/OFF** switch to the proper position.

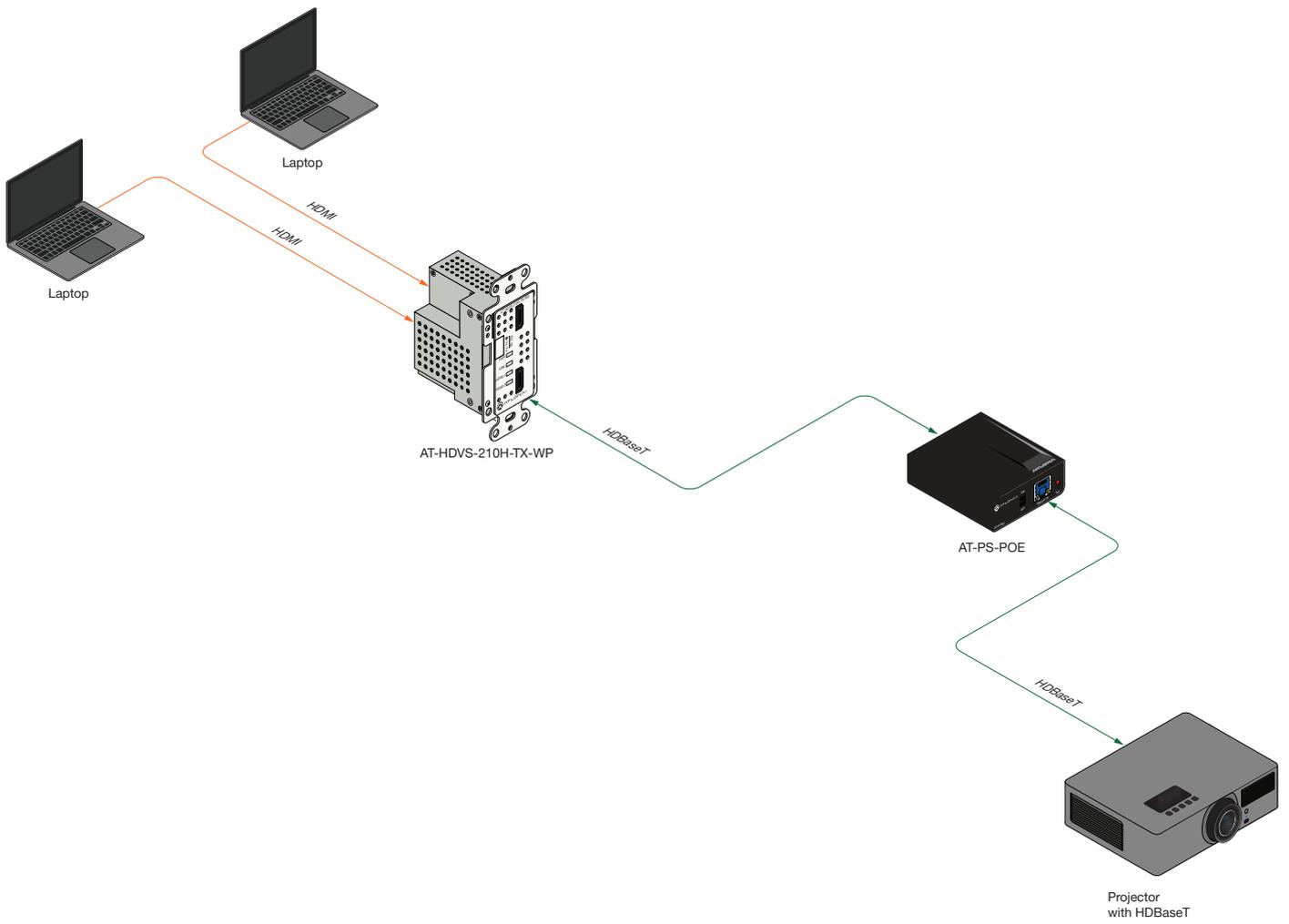


IMPORTANT: If the receiver has power, then this switch must be set to the **OFF** position.

6. Connect the power supply to an available AC outlet.



Connection Diagram



Appendix

Specifications

Buttons and Indicators		
Switches: ON/OFF	2 – Slide switch	
Indicators: PoE	1 – LED, red	
Connectors		
HDBaseT IN	1 – RJ45	
HDBaseT OUT	1 – RJ45	
DC 48V IN	1 – Euroblock, 2-pin	
Environmental	Fahrenheit	Celsius
Operating Temperature	+32 to +122	0 to +50
Storage Temperature	-4 to +140	-20 to +60
Operating Humidity (RH)	20% to 90%, non-condensing	
Power		
Consumption	Max: 15.2 W	
BTU/h	51.8	
External Power Supply (AT-PS-54-L)	Input: 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC	
Dimensions (H x W x D)	Inches	Millimeters
Unit	0.96 x 2.89 x 2.77	24 x 73 x 70
Power Supply	1.42 x 1.81 x 4.41	36 x 46 x 112
Weight	Pounds	Kilograms
Device	0.09	0.19
Certification		
Device	CE, FCC	
Power Supply	CE, FCC, Level VI, RoHS, cULus, RCM, CCC	
Compliance		
NDAA-889	Yes	
TAA	Yes	
Warranty		
3 years	View the full warranty information here: https://atlona.com/warranty	

