

## 60W Ultra PoE Injector (Midspan) and Splitter Bundle



*Actual product may vary from photos*

## User Manual

SKU#: UPOESPLT1G


# Compliance Statements

## FCC Compliance Statement

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 their own expense.

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.

## For the State of California

 **WARNING:** Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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## **Warning Statements**

Never use this product if parts are missing or damaged.

# Safety Statements

## Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Product installation and/or mounting should be completed by a certified professional as per the local safety and building code guidelines.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

## Mesures de sécurité

- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- L'installation et/ou le montage du produit doit être réalisé par un professionnel certifié et dans le respect des normes locales et du code de construction local.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

## 安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- 製品の設置やマウントは、使用地域の安全ガイドラインおよび建築基準に従い、有資格の専門業者が行うようにしてください。
- ケーブル（電源ケーブルと充電ケーブルを含む）は、適切な配置と引き回しを行い、電気障害やつまつきの危険性など、安全上のリスクを回避するようにしてください。

## Misure di sicurezza

- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- L'installazione e/o il montaggio dei prodotti devono essere eseguiti da un tecnico professionale certificato che conosca le linee guida locali sulle norme edilizie e sulla sicurezza.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

## Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Installation och/eller montering får endast göras av behöriga yrkespersoner och enligt gällande lokala förordningar för säkerhet och byggnormer.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

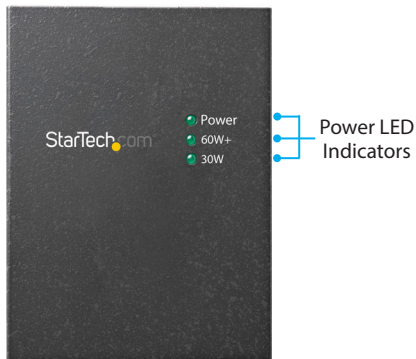
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# Product Diagram

## Splitter

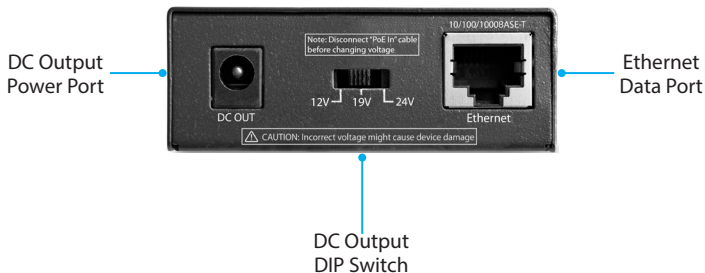
### Top View



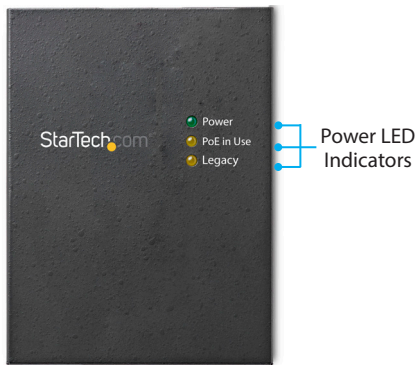
### Input Side View



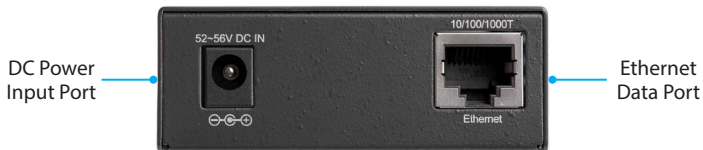
## Output Side View



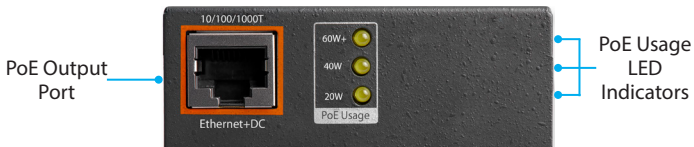
## Injector Top View



## Input Side View

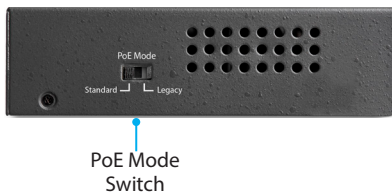


## Output Side View





## Switch Side View



## Product Information

### Package Contents

- PoE Splitter x 1
- PoE Injector x 1
- Universal Power Adapter x 1
- Power Cords (NA/JP, UK, EU, AU) x 4
- DC Plug Cable x 2
- RJ45 Network Cable x 1
- User Manual x 1

## Requirements

For the latest requirements, please visit [www.startech.com/UPOESPLT1G](http://www.startech.com/UPOESPLT1G).

### Power:

- Available AC Electrical Outlet

### Splitter

- Network Device x 1
- Ethernet Cable x 1

### Injector

- Network Device x 1
- Ethernet Cable x 2

## Installation

### Connecting the Splitter to the Injector

#### Connecting the Injector

1. Toggle the PoE Mode Switch to Standard Mode. See [Legacy](#) for details regarding special applications that require Legacy Mode to be enabled.
2. Connect an Ethernet Cable to your Network Device.
3. Connect the other end of the Ethernet Cable to the Ethernet Data Port on the Injector.
4. Connect the Universal Power Adapter to the DC Power Input Port on the Injector.
5. Connect the other end of the Universal Power Adapter to an AC Electrical Outlet.

6. Connect an Ethernet Cable to the PoE Output Port on the Injector.

## Connecting the Splitter

7. Toggle the DC Output Switch to the desired voltage for your application. Consult the manufacturer's documentation to determine the proper input voltage setting for your Network Device.

**Note:** *Before changing the output voltage, disconnect the Ethernet Cable from the PoE Input Port on the Splitter.*

8. Connect the other end of the Ethernet Cable to the PoE Input Port on the Splitter.
9. Connect an Ethernet Cable to the Ethernet Data Port on the Splitter.
10. Connect the other end of the Ethernet Cable to your Network Device.
11. Connect the appropriate DC Plug Cable for your application (barrel type M-M or M-N) to the DC Output Power Port on the Splitter.
12. Connect the other end of the DC Plug Cable to your Network Device.

## Connecting the Splitter Only

1. Connect an Ethernet Cable to your PoE PSE Network Device.
2. Toggle the DC Output Switch to the desired voltage for your application. Consult the manufacturer's documentation to determine the proper input voltage setting for your Network Device.

**Note:** *Always disconnect the Ethernet Cable from the PoE Input Port on the Splitter before changing the output voltage.*

3. Connect the other end of the Ethernet Cable to the PoE Input Port on the Splitter.
4. Connect an Ethernet Cable to the Ethernet Data Port on the Splitter.
5. Connect the other end of the Ethernet Cable to your non-PoE Network Device.
6. Connect the appropriate DC Plug Cable for your application (barrel type M-M or M-N) to the DC Output Power Port on the Splitter.
7. Connect the other end of the DC Plug Cable to your non-PoE Network Device.

## Connecting the Injector Only

1. Toggle the PoE Mode Switch to Standard Mode. See the [Injector - PoE Mode Switch](#) section for details regarding the special applications that require Legacy mode to be enabled.
2. Connect an Ethernet Cable to your non-PoE Network Device.
3. Connect the other end of the Ethernet Cable to the Ethernet Data Port on the Injector.
4. Connect the Universal Power Adapter to the DC Power Input Port.
5. Connect the other end of the Universal Power Adapter to a AC Electrical Outlet.
6. Connect an Ethernet Cable to the PoE Output Port on the Injector.

7. Connect the other end of the Ethernet Cable to your PoE Power Delivery Network Device.

## Operation

### LED Indicators

#### Splitter LEDs

LED Label	Behavior	Function
30W	Solid Green	Indicates that that the Splitter is connected to a 2-pair / 30W PoE Power Source
60W+	Solid Green	Indicates that the Splitter is connected to a 4-pair / Ultra PoE Power Source
Power	Solid Green	Indicates that the Splitter is receiving power from a PoE or Ultra PoE Power Source

#### Injector LEDs (Top)

LED Label	Behavior	Function
Legacy	Solid Orange	Injector is working in *Legacy Mode
PoE-in Use	Solid Orange	Injector is providing PoE power
Power	Solid Green	Injector is receiving power from the Universal Power Adapter

## \*Legacy Mode

The legacy detection feature identifies connected devices that do not comply with the IEEE 802.3af/at/bt standard. See [Injector - PoE Mode Switch](#) for details.

## Injector LEDs (Side)

LED Label	Behavior	PoE Usage Indication
	Off	Less than 9W
20W	Blinking Orange	10W to 19W
	Solid Orange	20W to 29W
POE Usage 40W	Blinking Orange	30W to 39W
	Solid Orange	40W to 49W
60W+	Blinking Orange	50W to 59W
	Solid Orange	Maximum PoE wattage

## Switches

### Splitter - DC Output DIP Switch

**Warning:** Always ensure you are selecting the proper output voltage. Incorrect voltage selection may cause damage to your equipment.

The DC Output DIP Switch lets you select the output voltage for non-PoE Devices. To operate the DC Output Switch, you must toggle the Switch to the desired output voltage (12V, 19V, or 24V).

**Note:** *Always disconnect the PoE Input Cable before changing the output voltage.*

## Injector - PoE Mode Switch

The PoE Mode Switch allows you to switch between **Standard** and **Legacy** PoE modes.

**Standard:** For all applications that use devices that conform to the IEEE 802.3af/at/bt standards. Normal use of the Injector will require this switch setting to be enabled.

**Note:** *Check the manufacturer's technical documentation for details regarding the standards followed by the equipment in your application.*

**Legacy:** For all applications that use devices that do not conform to the IEEE 802.3af/at/bt standards. The Legacy setting may be required for non-standard PoE Devices, such as some PTZ cameras.

## Warranty Information

This product is backed by a two-year warranty.

StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase.

During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only.

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