

PLINK INJECTOR – Datasheet

PLINK to SPI Data Converter for the PIXELATOR System supporting installation for long distance.



The ENTTEC PLINK INJECTOR series is purposefully designed as an integral component of the ENTTEC PIXELATOR System, streamlining installation for efficient, cost-effective control of LED pixel strips or pixel dots over extended distances.

The PIXELATOR Series controller generates reliable PLINK data, ensuring data integrity over extended distances of up to 300m using Cat5e/Cat6 cable. Each ENTTEC PLINK INJECTOR then converts PLINK control data to SPI protocols, seamlessly transmitting signals up to 3m to pixel fixtures. This satellite system, coupled with the compact and dependable PLINK INJECTOR is a perfect solution for large and extensive projects.

The IP PLINK INJECTOR featuring DC power input terminal connectors along with SPI Data, VCC, and GND connections is the ideal solution for LED Tape or dots. It's crucial to ensure that your power supply voltage matches the voltage of your pixel fixtures and is integrated with the PLINK controller.

Choose from 5V or 12-24V variants depending on your project. Simply connect and go with no PLINK configuration required.

Features

- The PLINK INJECTOR is designed to be integrated with PIXELATOR controllers in a PLINK System.
- PLINK data extends up to 300 meters over Cat5e/Cat6 cable from PIXELATOR controllers.
- Each PLINK INJECTOR converts PLINK data to SPI protocol and drives up to 3m distance connecting to an external DC power supply.
- Small, light and easy-to-install design.
- Scalable system architecture suited to large and expansive projects.
- rising clamp screw terminal connectors for fast, simplistic wiring.
- ABS plastic housing for ideal electrical insulation.

Specification

Type	5V DC (73546)	12V-24V DC (73544)	
Connectors	1* PLINK Input (RJ45)		
	1* Power In (screw terminal)		
	1* Pixel Output (screw terminal)		
IP Rating	IP20		
LED Indicators	Yes		
Input Data	PLINK data		
Output Data	SPI		
Input Voltage	5VDC	12VDC	24VDC
Max. Throughput Capacity (Class 2-US/CA only)	5A	5A	4.16A
	25W	60W	100W
Max. Throughput Capacity	10Amp		
Max. Power Draw	3.5W		
Min. Lead Wire	OUTPUT VCC/GND	0.5mm ²	
	INPUT VCC/GND	1.5mm ²	
Cooling Method	Convection		
Environmental Operating Temp.	0°C to 50°C 14°F to 149°F		
Environmental Operating Humidity	5- 95% (non-condensing)		
Body Material	ABS Plastic		
Unit Dimensions	83.5*65*31 mm		
Unit Weight	0.059kg / 0.13 lbs		
Shipping Dimensions	125*75*70 mm		
	4.92*2.95*2.76"		
Shipping Weight	0.105kg / 0.23 lbs		
Shipping Dimensions (Carton of 8)	260*155*140mm		
	10.24*6.10*5.51"		
Shipping Weight (Carton of 8)	0.84Kg / 1.85lbs		
Warranty	3-year return to base manufacturer warranty		

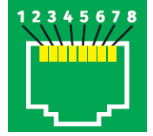
Box Contents

- PLINK INJECTOR

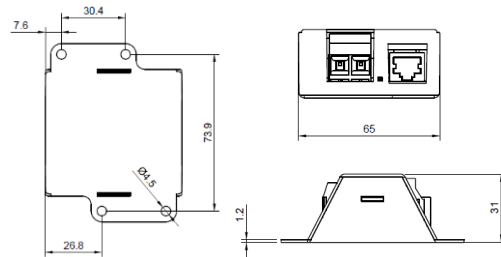
RJ45 Connector

PLINK Data is sent over Cat5/6 cable:

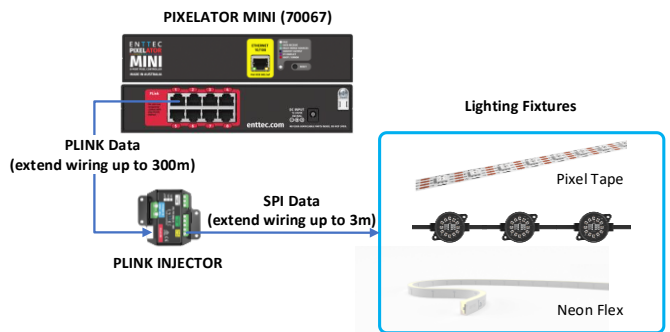
- Pin 1: Data +
- Pin 2: Data -
- Pin 7: Ground



Physical Dimensions



Application Diagram



Safety

- This unit is intended for indoor use only. Do not expose to rain or moisture, doing this will void the warranty.
- Make all the connections before you plug in the mains power.
- Do not remove the cover, there are no serviceable parts inside.
- Never plug this unit into a dimmer pack.

Ordering Information

For further support and to browse ENTTEC's range of products visit the [ENTTEC website](https://www.enttec.com).

Item	SKU
PLINK INJECTOR 5V	73546
PLINK INJECTOR 12V-24V	73544

Certification



enttec.com

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Due to constant innovation, information within this document is subject to change.