



# DIN PIXIE – Datasheet

SPI Pixel Strip/Dot controller: Control 2 universe of LED pixels over two outputs.



ENTTEC's DIN Pixie allows control of 2 DMX universes of SPI pixels.

Control a maximum of (256 RGBW / 340 RGB / 1024 White) LED's. Select between control modes and innovative grouping functions.

The DIN PIXIE has 4 personalities control how the two DMX-512A inputs are used to control pixel fixtures, providing flexibility to your installation.

Configuration, updates and standalone show upload is undertaken through a robust USB type -B port.

Standalone mode allows playback of a pre-recorded sequence with advance control option such as, play count, loop delay and play on power up.

Alternatively, the DIN PIXIE can be controlled via the USB Type -B connector using the PIXIE DRIVER API.

The DIN Pixie is powered by connecting it to the same power source as your LED pixel strip or Dots with a wide 5 -48vDC input range.

Use ENTTEC's free PRO-MANAGER software to test, update and configure your DIN Pixie.

## Features

- Convert 2 DMX universes of DMX512 to Pixel Strip/Dots control protocols.
- Configurable DMX start address and pixel grouping function to reduce control channel requirements.
- Standalone show playback using inbuilt flash memory (4000 frames [~100 seconds]).
- Option to play a show on DMX loss or blackout output.
- Support for RGB and RGBW pixel strip and dots.
- Wide (5 -48VDC) operating voltage - power from the same source as your pixels.
- All ports feature ESD surge protection and resettable fuses to block external faults & electrical noise propagation through control infrastructure.
- Power and output status LED indicators.
- Configurable and updatable via USB.
- DMX input on RJ45 connectors. (ANSI E1.27 -2).
- Robust USB type -B connector.
- Pluggable screw terminal output connectors.
- Test output sequences via PRO-MANAGER (no external data source required).
- Widely compatible FTDI driver USB support.
- Backward compatible with the ENTTEC Pixie Driver API for USB -> SPI control.

Distributor:



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www.techni-lux.com

## Specification

<b>Connectors</b>	1* USB 2.0 Type-B Input
	2* DMX Input (RJ45 port)
	2* SPI Output (3 Pin Phoenix)
<b>ESD Protection</b>	Resettable fuse per port.
<b>Surge Protection</b>	Yes (all ports)
<b>Other Protection</b>	Diode & Resettable fuse to block stray power on the data line in fault situations.
<b>IP rating</b>	IP20
<b>LED indicator</b>	Yes
<b>Input protocol</b>	USITT DMX512-A
<b>Data output type</b>	SPI. See website for all supported protocols
<b>Maximum output channels</b>	2 universes (1024ch) duplicated on both ports.
<b>Max. output refresh rate</b>	40FPS
<b>Latency</b>	5 milliseconds
<b>Input voltage</b>	5 – 48V DC (Via USB/Either output port VCC terminal)
<b>Max power draw</b>	1.5W
<b>Max. Rated Current per screw terminal (VCC / VCC0)</b>	10A
<b>Configuration software</b>	PRO-MANAGER
<b>Firmware updates</b>	PRO-MANAGER
<b>Show recording/upload</b>	PRO-MANAGER
<b>Max. output refresh rate</b>	40FPS
<b>Environmental operating temperature</b>	-20°C to 50°C -4°F to 122°F
<b>Environmental operating humidity</b>	5- 95% (non-condensing)
<b>Body material</b>	ABS plastic
<b>Mounting option</b>	DIN
<b>Unit weight</b>	95g/ 0.21lbs
<b>Shipping dimensions</b>	140*140*40mm
<b>Shipping weight</b>	0.22kg / 0.49lbs
<b>Warranty</b>	3-year return to base manufacturer warranty

1) If supported by your 3<sup>rd</sup> party software.

## Certification



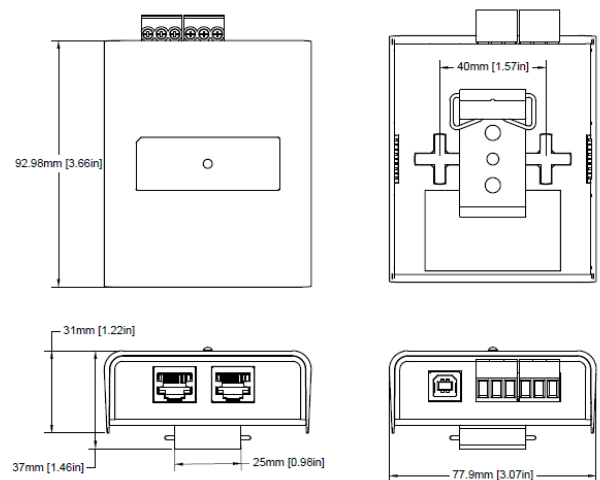
## RJ45 Pin for DMX Input

■ Pin 1: Data +	■ Pin 2: Data -	■ Pin 7/8: Ground
<i>Pin numbering in accordance with ANSI E1.27-2</i>		

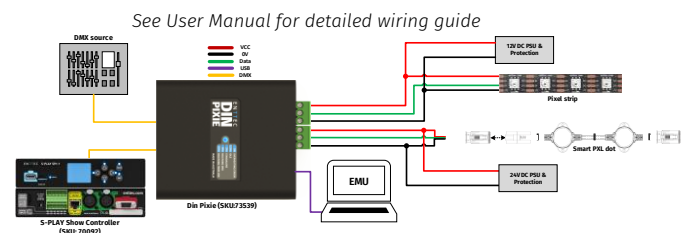
## Box contents

■ DIN PIXIE	■ DIN Mounting Bracket
■ USB Type A -> USB 2.0 Type B cable	

## Physical Dimension



## Application diagram



## Safety

- This unit is intended for indoor use only. Do not expose to rain or moisture, doing this will void the warranty.
- Never plug this unit into a dimmer.
- Always be sure to mount this unit in an area that will allow sufficient ventilation.
- Label any Cat5/6 DMX connector and DO NOT connect to non-DMX port (eg Ethernet Switch). Connecting unlike systems could result in serious damage to Storm8 and equipment.

## Ordering information

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

Item	SKU
Din Pixie	73539

MELBOURNE AUS / LONDON UK / RALEIGH-DURHAM USA

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