



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.

Specification

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

1) If supported by your 3rd party software.

Certification



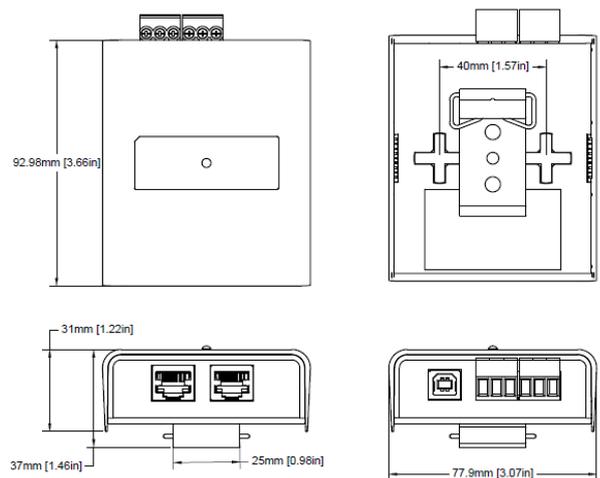
RJ45 Pin for DMX Input

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

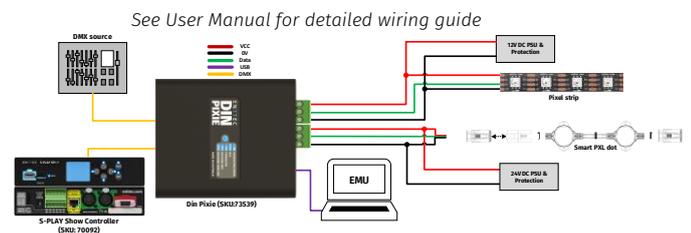
Box contents

■ 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

enttec.com

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