ENTTEC

PIXELATOR MINI – Datasheet

16 Universe (8 output) master controller for a PLink system.

AUSTRALIAN DESIGNED + MADE

ENTTEC's PIXELATOR MINI is an 8-port Ethernet pixel controller. Using ENTTEC's PLINK protocol, each port provides data to ENTTEC's PLINK INJECTOR which can control up to 2 Universes each, making the PIXELATOR MINI powerful enough to control up to 8,192 channels (2,730 RGB Pixels) with perfect synchronization across all eight of its outputs.

The PIXELATOR MINI supports a wide range of pixel protocols, which can be controlled with sACN, Art-Net, ESP and Kling-Net through an intuitive web browser. Controlling LED pixels, dots and digital strips has never been easier.

Our PLINK protocol can transmit up to 1024 channels (2 Universes) over a 300m distance using Cat5e/Cat6 cable to each ENTTEC PLINK INJECTOR. This allows for control of up to 340 RGB or 256 RGBW pixels per output. This satellite system provides great flexibility, and since all data conversion is processed on the PIXELATOR MINI, the PLINK INJECTOR is kept as compact as possible.

Depending on the application, choose between the indoor or outdoor IP PLINK INJECTOR, ensuring that the voltage is compatible with the pixels and power supply which is installed locally to the PLINK Injectors.

ENTTEC's PIXELATOR MINI is also available in a DIN-rail form factor!

Features

- **8* RJ-45 ports (each providing 2 Universes of PLINK data output)**
- **16 Universe Ethernet to PLINK data over Cat5e/Cat6 cable**
- **1U Half Width form factor**
- **Easy to setup & update through any web browser**
- **Supports sACN, Art-Net, ESP and Kling-Net**
- **RJ45 Ethercon connector (10/100 Mbps)**
- **Static or Dynamic (DHCP) IP configuration (DHCP by default)**
- **Compatible with ENTTEC PLINK INJECTOR**
- **Pixel Grouping is configurable for each PLINK port. (1 to 340) for RGB and (1 to 256) for RGBW**
- **Each PLINK output can be assigned up to 2 Ethernet Universes.**
- **Pixel Ordering is configurable for each PLINK port.**

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Specification

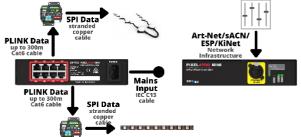| Connectors | 8* PLINK Output (RJ-45) |
	1* LAN port (RJ45)
	1* Power Input (IEC C14)
IP Rating	IP20
LED Indicators	Status, Link & Activity
Input Protocol	Art-Net	sACN
	Kling-net	ESP
PIXELATOR Data Output	PLINK Data
PLink Data Output Type	SPI. See website for all supported protocols
Input Voltage	85-264V AC
Input Frequency	47-63Hz
Max. Power Consumption	20W
Max. Heat Dissipation	19W
System Latency	5 milliseconds
PLink Max. Current	10 Amps
Configuration & Update	Web Interface
Cooling Method	Passive
Max. Output Refresh Rate	40FPS
Environmental Operating Temperature	0°C to 50°C 32°F to 122°F
Environmental Operating Humidity	5 to 95% (non-condensing)
Body Material	Powder coated & anodized aluminium
Unit Dimensions	191*107*44 mm
Unit Weight	0.8kg / 1.65lbs
Shipping Dimensions	284*200*125 mm
Shipping Weight	0.72kg / 1.58lbs
Warranty	1 year return to base manufacturer warranty

Certification

Box contents

- PIXEATOR MINI
- Ethernet Cable
- IEC cable (included & packaged separately)

Application diagram

Safety

- This unit is intended for indoor use only.
- Do not expose the unit to rain or moisture, doing so will void the warranty.
- Do not remove the cover, there are no serviceable parts inside
- Do not block or cover ventilation on this device.
- Ensure proper earth connections.
- Always be sure to mount this unit in area that will allow proper ventilation. Allow about 6" (20cm) between this device and a wall.

Ordering information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
PIXELATOR MINI	70066
PLINK INJECTOR 5v	73546
PLINK INJECTOR 12v-24v	73544

enttec.com

MELBOURNE AUS / LONDON UK / RALEIGH-DURHAM USA

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