DIN ETHERGATE – Datasheet

Two-universe bi-directional eDMX - DMX/RDM gateway in a compact 4-module DIN-rail form factor.

AUSTRALIAN DESIGNED + MADE



ENTTEC's DIN ETHERGATE is a robust and reliable installation grade DMX node engineered to take any architectural, commercial or entertainment project to the next level.

With 2 universes of bi-directional eDMX -> DMX conversion and ArtRDM support, the DIN ETHERGATE is a flexible, cost-effective method to connect physical DMX devices to your network infrastructure.

The configuration as well as the firmware updates are managed through the localhost web interface to simplify commissioning from any computer on your network.

The DIN ETHERGATE's slim, 4 DIN-module electrically insulated housing supports TS35 DIN and surface mounting for fast installation. Pluggable terminal blocks with inbuilt termination line make wiring simple.

The Power over Ethernet (PoE) featuring DIN Ethergate reduces the number of cables and can be deployed remotely without the need for a local power source close to the device.

Features

- **Two bi-directional DMX/ E1.20 RDM ports with optional termination and RDM support.**
- **IEEE 802.3af PoE (Power over Ethernet) or DC 12-24v input.**
- **Support for Art-Net, sACN and ESP to DMX conversion.**
- **HTP/LTP merging support for up to 2 DMX sources.**
- **Pluggable terminal blocks and inbuilt DMX termination.**
- **Configurable DMX output refresh rate.**
- **Intuitive device configuration and updates through the inbuilt web interface.**
- **Surface or TS35 DIN rail mount.**
- **10/100 Mbps network speed.**
- **'Current Port Buffer' allows live DMX values to be viewed.**

Specification

Connectors	1* LAN port (RJ45)	
	2* Bi-directional DMX (4 Pin Phoenix)	
	1* Power Input (2 Pin Phoenix)	
IP rating	IP20	
LED Indicators	Forward facing status indicator	
	Network Link / Activity indicators (RJ45 Port)	
eDMX protocols	Art-Net	Art-RDM
	sACN	ESP
DMX protocols	USITT DMX512-A	
	ANSI E1.20 RDM	
DMX & RDM timings	Break time	300ms
	Mark after Break (MAB)	15ms
Art-Net merging	2 Sources	
Max. channels	2 Universes (1024ch)	
Max. refresh rate	44FPS	
Network Speed	10/100Base-T	
Power over Ethernet	IEEE 802.3af	
Network configuration	Static (default 192.168.0.10) / DHCP.	
Firmware updates	Through web interface	
Inbuilt DMX termination	Yes	
DC input voltage	12-24V DC[1]	
Max. power draw	7W	
Max. heat dissipation	7W	
Operating temperature	0°C to 50°C 32°F to 122°F	
Operating humidity	5- 95% (non-condensing)	
Body material	ABS plastic	
Mounting options	Surface mount	
	TS35 DIN-Rail mount	
Unit dimensions	100.5 * 72.25 * 34mm	
Unit weight	0.11kg / 0.24lbs	

[1] Please refer latest User Manual for revision history and firmware version.

Shipping dimensions	140 * 140* 40mm
Shipping weight	0.16kg / 0.35lbs
Warranty	3-year return to base manufacturer warranty

Certification

Box Contents

- DIN ETHERGATE
- TS35 DIN clip & screws

(Power supply is not included)

Phoenix Connector



Application Diagram



Safety

- Do not expose the device to rain or moisture. This unit is intended for indoor use only.
- Do not remove the cover, there are no user serviceable parts inside.
- Never connect DMX GND to an electrical 'earth' connection.
- For additional flexibility and increased protection ENTTEC recommends the use of a DMX splitter.

Ordering information

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

Item	SKU
DIN ETHERGATE[1]	71030

enttec.com

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