ENTTEC

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.

All configuration is managed through the localhost web interface to simplify commissioning.

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.

Power the DIN ETHERGATE using power over ethernet (PoE) or 7-24v DC input.

Features

- **Two bi-directional DMX/ E1.20 RDM ports with optional termination and RDM support.**

- **Support for Art-Net 4, sACN and ESP.**

- **Supports DMX -> Art-Net Broadcast or Unicast.**

- **HTP/LTP merging support for up to 2 DMX sources.**

- **Configurable DMX output refresh rate.**

- **Surface or TS35 DIN rail mount.**

- **Supports IEEE 802.3af PoE (Power over Ethernet) or DC 7-24v input.**

- **Intuitive device configuration and updates through the inbuilt web interface.**

- **DHCP or static IP Address support.**

- **10/100 Mbps network speed.**

- **'Current DMX Buffer' allows DMX values to be viewed per port.**

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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	200ms
	Mark after Break (MAB)	20ms

Art-Net merging	2 Sources
Max. channels	2 universes (1024ch)
Max. refresh rate	43FPS
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	7-24V DC
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
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

Wiring

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	71030

enttec.com

MELBOURNE AUS / **LONDON** UK / **RALEIGH-DURHAM** USA

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