DIN ETHERGATE MK2 – Datasheet

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

AUSTRALIAN DESIGNED + MADE

ENTTEC's DIN ETHERGATE MK2 is a robust and reliable installation grade DMX node engineered to take any architectural, commercial or entertainment project to the next level.

With standard 2 universes of bi-directional eDMX to standard DMX512-A conversion and ArtRDM support, the DIN ETHERGATE MK2 is a flexible, cost-effective method to connect physical DMX devices to your network infrastructure.

Unlock enhanced performance with overdrive mode; outputing at higher data transmission rate 500Kbps to control up to 1,024 channels per port. Control total up to 4 universes with a DIN ETHERGATE MK2[1].

Enjoy effortless daisy-chaining with dual Ethernet ports, one featuring Power over Ethernet (PoE). This provides a flexible and streamlined wiring solution, ideal for scalable installations.

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

Designed for ease, the slim, 4 DIN-module electrically insulated housing supports TS35 DIN and surface mounting, with user-friendly pluggable terminal blocks for simple wiring.

Features

- **Two bi-directional DMX ports for standard DMX512-A featuring E1.20 RDM support.**
- **Overdrive mode outputs at higher data transmission rate 500Kbps (DMX500K) allowing control of up to 2 Universes per port for compatible fixtures[1].**
- **Expandable network with dual Ethernet ports for daisy-chain connections.**
- **IEEE 802.3af PoE (Power over Ethernet) or DC 12-24v input.**
- **Support for Art-Net, sACN, ESP and KiNet to DMX conversion.**
- **HTP/LTP merging support for DMX sources.**
- **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.**

[1] *Note: Overdrive mode - DMX500K is incompatible with DMX512-A and do not conform to ANSI E1.11 – 2024. Essential to verify the compatibility of fixture to ensure proper functionality.*

Specification

Connectors	2* LAN port (RJ45)	
	2* Bi-directional DMX (4Pin Phoenix)	
	1* Power Input (2Pin Phoenix)	
IP Rating	IP20	
LED Indicators	Forward facing status indicator	
	Network link/activity indicators (RJ45 Port)	
Input - eDMX Protocols	Art-Net (RDM)	KiNet
	sACN	ESP
Output - DMX Protocols	DMX512-A/RDM (250 Kbps) DMX500K (500 Kbps)	
DMX & RDM Timings	Break time	300ms
	Mark after Break (MAB)	15ms
Art-Net Merging	2 Sources	
Max. Channels	DMX512-A: 1,024ch (2U) DMX500K: 2,048ch (4U)	
Max. Refresh rate	44FPS	
Network Speed	10/100Base-T	
Power over Ethernet	IEEE 802.3af	
Network configuration	DHCP/Static (default 192.168.0.10)	
Firmware updates	Through web interface	
DC input voltage	12-24V 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

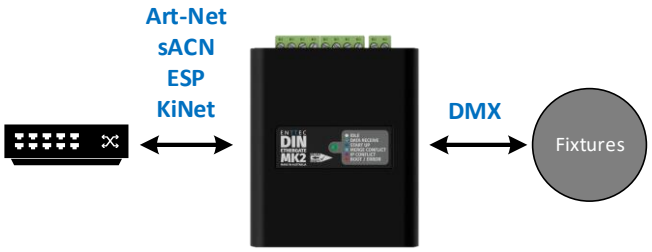
Box Contents

- DIN ETHERGATE MK2
- 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 MK2	71031

enttec.com

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