ENTTEC

DATAGATE MK2 – Datasheet

Advanced lighting data controller to fully manage your DMX network.

AUSTRALIAN DESIGNED + MADE

ENTTEC's DATAGATE Mk2 is a powerful, advanced lighting data controller capable of converting, switching and routing multiple lighting protocols in real-time with ease.

Use the intuitive web interface to configure and edit individual profiles with a simple drag-and-drop flow chart all within your web browser. Easily route data between the supported Art-Net, KiNET, sACN, ESP and OSC protocols as well as the eight physical DMX ports on the device (DMX512-A and RDM).

Create profiles with intelligent features including advanced merging, shifting, and switching to manipulate the data within the DATAGATE Mk2 and provide complete flexibility and performance. The inbuilt DMX generator allows channels to be set to different levels for testing without the need for a DMX source.

The extremely powerful DMX management tools built into the DATAGATE Mk2 allow you to direct DMX distribution on advanced networked systems whilst using tools such as our RDM Sensor monitor, RDM Tools and Stream Auditor functionality.

Features

- ■ **8* DMX ports opto-isolated up to 1500V.**
- ■ **Gigabit ethernet connection.**
- ■ **LCD display provides network and status information.**
- ■ **DMX refresh rate configurable for each DMX port (1Hz to 44Hz) default is 35Hz.**
- ■ **Break time/MAB configurable for each DMX port.**
- ■ **All configurations are made through web browser and saved as profiles.**
- ■ **Graphical user interface for creating and editing ports is flow-chart oriented and documents data flow as you configure it.**
- ■ **Advanced merging, shifting, switching capabilities.**
- ■ **OSC support.**
- ■ **DMX Generator and stream snapshot feature (web).**

ID: 4838424

Hardware version: RevC
Document Updated: Oct 2021

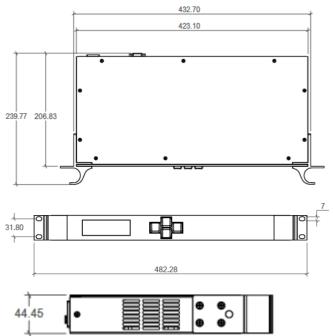■ *DATASHEET*

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Specification

Connectors	8* DMX Input/Output (5-Pin female XLR, RDM enabled)
	1* DMX Input (5-Pin male XLR)
	1* LAN port (RJ45)
	1* RS232 Port (un-used)
	2* USB Ports (un-used)
IP rating	IP20
LCD Functionality	Status, Profiles, Settings
Input Protocol	Art-Net	sACN
	KiNet	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
Power Consumption	20W
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- 95% (non-condensing)
Body Material	Powder coated & anodized aluminium
Unit Weight	1.60kg / 3.53lbs (2019 and later)
Shipping Dimensions	516 * 288 * 125 mm
Shipping Weight	2.10kg / 4.63lbs
Warranty	3 year return to base manufacturer warranty

Certification

Box contents

- DATAGATE MK2
- Ethernet Cable
- IEC cable (included & packaged separately)

Physical Dimension

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
DATAGATE MK2	70044

This document specifically refers to Revision C (RevC) DATAGATE. Please see the User Manual for revision history changes

enttec.com

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

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

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