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ODE MK3 (70407)
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ODE MK3 - Datasheet

Two-Universe bi-directional eDMX **–** DMX/RDM controller supporting Power over Ethernet (PoE).

AUSTRALIAN
DESIGNED + MADE

The ODE MK3 is a solid-state RDM compatible DMX node designed for the highest level of portability, simplicity, and practicality. A perfect solution for converting from a multitude of Ethernet-based lighting protocols to physical DMX and vice versa without the need for adaptors.

With 2 Universes of bi-directional eDMX <–> DMX/RDM support female XLR5s and a PoE (Power over Ethernet) RJ45, ODE MK3 is simple and easy to connect physical DMX devices to your network infrastructure.

Connectors with EtherCon lockable feature in addition make the wiring secured with a peace of mind.

The configuration as well as the firmware updates of the ODE MK3 are managed through the localhost web interface to simplify commissioning from any computer on your network.

Features

- **Two-Universe bi-directional DMX / E1.20 RDM female XLR5s.**
- **One PoE (Power over Ethernet) RJ45 port supporting IEEE 802.3af (10/100 Mbps) and one optional DC 12-24v power input.**
- **Secure 'EtherCon' connectors**
- **Support RDM over Art-Net & RDM (E1.20).**
- **Support for DMX -> Art-Net (Broadcast or Unicast) / DMX -> ESP (Broadcast or Unicast) / DMX -> sACN (Multicast or Unicast).**
- **HTP/LTP Merging support for up-to 2 DMX sources.**
- **Configurable DMX output refresh rate.**
- **Intuitive device configuration and updates through the inbuilt web interface.**
- **'Current Port Buffer' allows live DMX values to be viewed.**

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Specification

Connectors	1* EtherCon Port (RJ45)
	2* Bi-directional DMX (Female XLR5)
	1* Power Input (DC Jack)
IP rating	IP20
LED indicators	Status indicator
	Network Link / Activity indicators
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
Max. channels	2 Universes (1024ch)
Max. refresh rate	44FPS
Art-Net merging	2 Sources
Configuration software	Web Browser
Firmware updates	Web Browser
Input voltage	12V to 24V DC
Max. current craw	580mA
Max. power draw	7W
Power over Ethernet (PoE)	IEEE 802.3af
Environmental operating temperature	0°-50°C 32°-122°F
Environmental operating humidity	5- 95% (non-condensing)
Body material	ABS Plastic
Unit dimensions	129x58x40 mm
Unit weight	0.10kg / 0.22lbs
Shipping dimensions	235*159*69 mm
Shipping weight	0.45kg / 0.99lbs
Warranty	3-year return to base manufacturer warranty

Certification

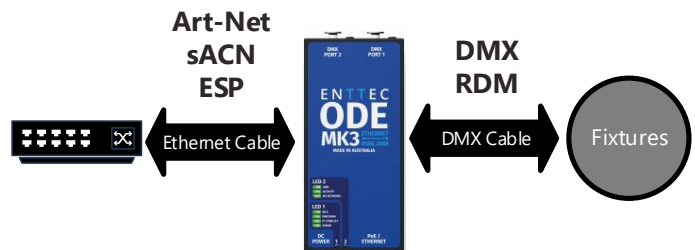## Box contents

ODE MK3 (70407)
- ODE MK3
- Ethernet Cable
- Power supply with AU/EU/UK/US adapters

DMX connector

5pin DMX IN/OUT:
- Pin 1: GND (0V)
- Pin 2: Data −
- Pin 3: Data +
- Pin 4: NC
- Pin 5: NC

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
ODE MK3	70407

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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