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DMXking eDMX2 MAX

DMXking eDMX2 MAX Ethernet DMX Adapter (5-Pin) User Manual

Model: eDMX2 MAX (5-Pin)

1. INTRODUCTION

The DMXking eDMX2 MAX is a versatile 2-universe Ethernet DMX adapter designed for professional lighting control applications. It offers a flexible solution for DMX distribution, supporting both Art-Net/sACN (E1.31) over Ethernet and USB DMX connectivity. This device is ideal for scenarios requiring more than a single DMX universe without the complexity or cost of larger systems. It features Power over Ethernet (PoE) for simplified installation and robust 5-Pin DMX connectors.



Image: Top-down view of the DMXking eDMX2 MAX, showcasing its compact design and labeling.

2. KEY FEATURES

- **Dual DMX Universes:** Provides 2 DMX512 outputs or DMX512 inputs, configurable for Art-Net, sACN E1.31, and E1.20 RDM support.
- **Flexible Connectivity:** Compatible with ENTTEC Pro over USB and supports Art-Net I, II & 3, and sACN/E1.31 protocols over Ethernet.
- **Cross-Platform Configuration:** Includes a dedicated configuration utility for both Windows and Mac OSX operating systems.
- **Broad OS Support:** Operates with any operating system that supports Ethernet networking, including Windows, macOS, Linux, iOS, and Android.
- **Robust Design:** Features 1500V isolation between every port for enhanced reliability and a tough metal enclosure for durability.
- **Firmware Upgradable:** Supports future enhancements and bug fixes through firmware updates.

3. PACKAGE CONTENTS

- DMXking eDMX2 MAX Ethernet DMX Adapter (5-Pin)
- USB-C cable

4. SETUP GUIDE

4.1 Powering the Device

The eDMX2 MAX can be powered via two methods:

- **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or injector to the device's Ethernet port.
- **USB-C Power:** Connect the supplied USB-C cable to the USB-C port on the device and to a compatible USB power source (e.g., computer USB port, USB power adapter).

4.2 Connecting DMX Devices

The eDMX2 MAX features two 5-Pin DMX ports, labeled 'A' and 'B'.

- Connect your DMX lighting fixtures or other DMX-compatible equipment to these ports using standard 5-Pin DMX cables.
- Ports can be configured as DMX output or DMX input using the configuration utility.



Image: Front view of the DMXking eDMX2 MAX showing the two 5-Pin DMX ports (A and B) and the SD card slot.

4.3 Network and USB Connections

- **Ethernet:** Connect an Ethernet cable from your network switch or router to the Ethernet port on the device for Art-Net/sACN communication.
- **USB-C:** Connect the USB-C cable to your computer for USB DMX functionality and device configuration.



Image: Rear view of the DMXking eDMX2 MAX showing the Ethernet port (with PoE indicator), USB-C port, and I/O port.

4.4 Initial Configuration

Download the DMXking configuration utility from the official DMXking website. Use this utility to:

- Set IP addresses and network settings.
- Configure DMX ports as input or output.
- Assign Art-Net/sACN universes to each DMX port.
- Update device firmware.

5. OPERATION

5.1 Ethernet DMX (Art-Net/sACN)

Once configured, the eDMX2 MAX will receive or transmit DMX data over your Ethernet network using Art-Net or sACN protocols. Ensure your lighting control software is configured to send/receive data to/from the device's assigned IP address and universe numbers.

Important Note for Art-Net Users: When utilizing Art-Net protocol, it is common practice for the first universe to be designated as Universe 0 and the second universe as Universe 1. Verify your lighting control software's universe numbering scheme to ensure proper communication.

5.2 USB DMX

When connected via USB-C, the eDMX2 MAX functions as a USB DMX interface, compatible with ENTTEC Pro protocol. This allows direct control from DMX software running on your computer without requiring an Ethernet network.

5.3 DMX Input/Output

Each DMX port can be independently configured as either a DMX output (sending control data to fixtures) or a DMX input (receiving DMX data from a console or other DMX source). This flexibility allows the eDMX2 MAX to act as a bridge or converter within your DMX system.

6. MAINTENANCE

The DMXking eDMX2 MAX is designed for robust operation with minimal maintenance. Key aspects include:

- **Firmware Updates:** Regularly check the DMXking website for new firmware versions. Updating the firmware can provide new features, performance improvements, and bug fixes. Use the configuration utility for this process.
- **Physical Inspection:** Periodically inspect cables and connectors for wear or damage. Ensure the device is kept in a clean, dry environment. The tough metal enclosure provides protection against physical impact.

7. TROUBLESHOOTING

- **No DMX Output/Input:**
 - Verify power is supplied to the device (PoE or USB-C).
 - Check DMX cable connections.
 - Ensure DMX ports are correctly configured as input/output in the DMXking utility.
 - Confirm the correct Art-Net/sACN universe is assigned and matches your control software.

• **Art-Net Communication Issues:**

- Ensure the device's IP address is on the same subnet as your control computer/network.
- Check firewall settings on your computer, which may block Art-Net/sACN traffic.
- As noted in operation, confirm Art-Net universes are correctly mapped (e.g., Universe 0 for the first, Universe 1 for the second).

• **USB DMX Not Recognized:**

- Try a different USB-C cable or port on your computer.
- Ensure necessary drivers are installed (if required by your operating system, though often plug-and-play).









8. SPECIFICATIONS

Model	eDMX2 MAX (5-Pin)
DMX Ports	2x 5-Pin DMX (Configurable as Input/Output)
Protocols Supported	Art-Net I, II & 3, sACN E1.31, E1.20 RDM, ENTTEC Pro (over USB)
Hardware Interface	Ethernet (PoE), USB-C
Data Link Protocol	Ethernet
Power Options	Power over Ethernet (PoE), USB-C
Isolation	1500V between every port
Enclosure	Tough metal
Compatible Devices	Computers, Tablets, DMX Lighting Fixtures
Supported OS	Windows, macOS, Linux, iOS, Android (any with Ethernet support)
Item Weight	9.2 ounces (0.26 Kilograms)
Package Dimensions	5.55 x 3.9 x 2.01 inches

9. WARRANTY AND SUPPORT

For warranty information, technical support, and additional resources, please visit the official DMXking website or contact DMXking customer service. Keep your purchase receipt for warranty claims.

Online resources and software downloads, including the configuration utility and firmware updates, are available on the DMXking support page.

 ultraDMX MAX  <small>USER MANUAL</small>	<p>ultraDMX MAX User Manual DMXking USB DMX Interface</p> <p>Comprehensive user manual for the DMXking ultraDMX MAX, detailing its features, setup, configuration, technical specifications, and warranty information for professional lighting control.</p>
 eDMX4 MAX  <small>USER MANUAL</small>	<p>DMXking eDMX4 MAX User Manual: Features, Specifications, and Operation</p> <p>This user manual provides comprehensive details on the DMXking eDMX4 MAX, a versatile Art-Net and sACN/E1.31 compatible DMX controller. It covers features, technical specifications, USB DMX operation, configuration, and warranty.</p>
 eDMX MAX Configuration Utility  <small>USER MANUAL</small>	<p>DMXking eDMX MAX Configuration Utility: User Manual and Guide</p> <p>This user manual provides comprehensive guidance on using the DMXking eDMX MAX Configuration Utility for setting up, managing, and troubleshooting DMX lighting control devices. Learn about network and USB configuration, port settings, firmware updates, and advanced features.</p>
 ultraDMX2 PRO Interface  <small>USER MANUAL</small>	<p>DMXking.com ultraDMX2 PRO Interface User Manual</p> <p>Comprehensive user manual for the DMXking.com ultraDMX2 PRO interface, detailing features, installation, configuration, USB DMX modes, technical specifications, and warranty information.</p>