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Artnet-DMX Control System

Artnet-DMX-8



Manual

Product Introduction

- Ethernet Control System based on the Artnet protocol.
- Set different network segments to avoid multiple sets Artnet data interference.
- Convert the Artnet network data package into DMX512 data.
- Adopting high-speed ARM processor, stable and reliable.
- Supports RJ45 network interface and 3-pin XLR DMX512 output interface.
- With LCD screen display and 4 buttons, convenient operation, intuitive settings.
- Standard 1U(19") chassis architecture, convenient installation in the standard cabinet.
- Provides 8 standard DMX512 data output port.
- Compatible with the light software based on Artnet Protocol, control stage lighting and LED lighting simultaneously.
- Connect up to 256 DMX universes to one network.
- 10/100Mb Ethernet port.
- Data activity indicators.
- Configurable DMX output refresh rates.
- Manage Artnet on broadcast mode or unicast mode.
- Widely used in the LED dot matrix and the stage lighting control network in needing lots of DMX512 data.
- Suitable for TV station recorded scene, stage performances, entertainment and so on.



Technical Specs

Artnet-DMX-8

Power input:	5-24Vdc	Isolation ethernet port:	Total Isolation
Input signal:	Artnet	Isolation power input:	Total Isolation
Output signal:	DMX512	Working temperature:	-30°C~65°C
DMX channels:	8 universe	Dimension:	L483×W200×H44mm
Current input:	30mA@12Vdc	Package size:	L550×W265×H100mm
DMX output connection:	3-pin XLR	Weight (G.W):	2600g
Network connection:	RJ45		

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Product Size





Package Contents



Control System 1pcs





Power Adapter 1pcs

Manual 1pcs

Main Component Description



3

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Wiring Diagram



Screen Use



Button Operating Instructions:

Press the menu button l in the main interface to enter the menu interface. Press \wedge/\sim button to move up and down the menu, press the setting button \leftarrow to set the relative parameter, Press \wedge/\sim can adjust the parameter. Press \leftarrow to save the setting when finished and press l to quit the setting.



Other Functions of Button:

In the main interface, long press \leftarrow to enter test mode [send the dark, light and highlighting jumping data to the 8 ports]. Press \square to quit the test mode.

In the main interface, long press \wedge / \vee at the same time to restore factory settings.

actory Defaul Loading...



Connect ArtNet-DMX-8 To the Computer

This product is compatible with all the ArtNet software in the market, here take MADRIX as an example:

1. Install the Madrix 3 software in the computer, the icon on the desktop :

MADRIX 3

P Settings 240 M240 P artitycenes IP address 192, 296, 1, 116

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4.3 Click " Add".

OK Cancel

- 2. Use the equipped adapter to power ArtNet-DMX-8.
- 3. Connect ArtNet-DMX-8 and computer via the cable.
- 4. IP Setting: This control system is compatible with random network segment. According to the ArtNet protocol, 2.X.X.X or 10.X.X.X can be added in the computer (X means arbitrary value), methods as below:

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Alternate DNS server:	
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4.1 Open the Network, click "Properties" button of the TCP/IPv4 protocol. 4.2 Click " Advanced".

P address:	2	10	0	0	
ubnet mask:	255	0	0	0	

4.4 Add the IP address 2.X.X.X or 10.X.X.X (X could be arbitrary value).



4.5 Interface of adding successful, click "OK" and exit.

5. Open Madrix 3 software, choose "preferences">" device manager" from menu.



 In "device manager" dialog, choose "ArtNet" tab, tick "enable" and click search Artnet-DMX-8 will be searched.

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 Click the tab of "DMX devices", set port status to "ON" if connected successfully. Now, you can use computer to control lamps via ArtNet-DMX-8.

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Artnet-DMX控制系统

Artnet-DMX-8



使用说明书

产品介绍

- 基于Artnet协议的以太网络控制系统;
- 可设置不同的网段,避免在同一网络中有多组Artnet数据相互干扰;
- 将网络上Artnet协议中的数据包转换为标准的DMX512数据;
- 采用高速ARM处理器,工作稳定可靠;
- 提供RJ45网络接口及XLR-3的DMX512输出接口;
- 自带液晶屏显示,配备4个按键,设置操作方便直观;
- 标准1U机箱架构,方便安装在标准机柜中;
- 提供8个标准的DMX512数据输出端口,总共可以输出8组512个数据;
- 兼容Artnet协议的灯光软件,输出可同时控制舞台灯光、LED灯光;
- 同一网络可连接256组DMX信号;
- 10/100 Mb自适应网络接口;
- 数据输出指示灯;
- 电脑可配置输出刷新频率;
- 可以在广播或单播模式下管理Artnet;
- 用于LED点阵以及需要大量DMX512数据的舞台灯光控制网络;
- 适用于电视台录播现场、舞台演出、娱乐场所等。



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性能参数

Artnet-DMX-8 电源输入: 5-24Vdc 网口隔离: 总隔离 接收信号: 电源隔离: 总隔离 Artnet 输出信号: 工作温度: 8 Universe -30°C~65°C 产品尺寸: 网络协议: ArtNet输入/DMX输出 L483×W200×H44mm 电流进入: 包装尺寸: 30mA@12Vdc L550×W265×H100mm DMX输出连接: XLR-3 重量(毛重): 2600g 网络连接: RJ45

尺寸图





包装内容



控制系统 1台





电源适配器 1个

说明书 1本

产品说明





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连接示意图



显示屏使用



按键操作说明:



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0 2

(3) 点击"添加"按钮

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ArtNet-DMX-8连接电脑

本产品支持市面上所有的ArtNet软件,下面以MADRIX为例进行说明:

- 1. 安装操作软件:电脑上安装MADRIX 3软件,装好后图标显示为:
 - MADRIX 3
- 2、用配备的电源适配器连接ArtNet-DMX-8至电源;
- 3、用网线将ArtNet-DMX-8和电脑连接好;
- 4、IP设置:本转换器支持任意网段的设置。根据Artnet协议建议,请在电脑添加2.X.X.X或 10.X.X.X网段(X表示任意数值),方法如下:



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协议的"属性"按钮

(2)点击"高级"按钮



(4) 添加2.X.X.X或10.X.X.X的IP 地址(X为任意数值)



(5) 添加成功后的界面,确定退出

5、打开MADRIX 3软件,在菜单上选择"首选项"/"设备管理器";



电脑将搜索到ArtNet-DMX-8



7、切换至"DMX设备"洗项卡, 连接成功, 将端口状态设置为"开"。现在可以实现电脑 通过ArtNet-DMX-8控制灯具了.

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