

LTECH

## Artnet-DMX Control System

Artnet-DMX-8



ART  
NET  
ETHERNET

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.

FCC CE RoHS warranty 5 years

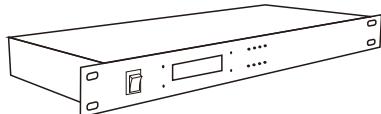
ISO 9001:2008

## 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		

## Package Contents



Control System 1pcs

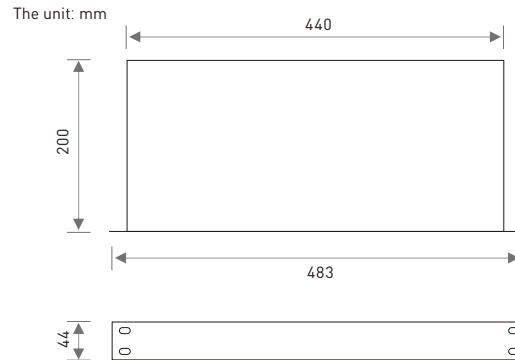


Power Adapter 1pcs

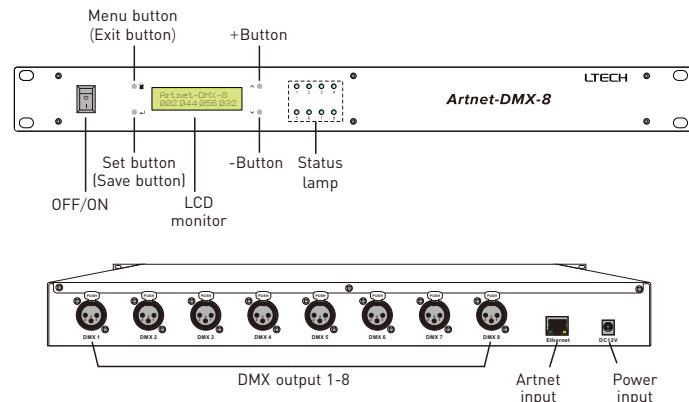


Manual 1pcs

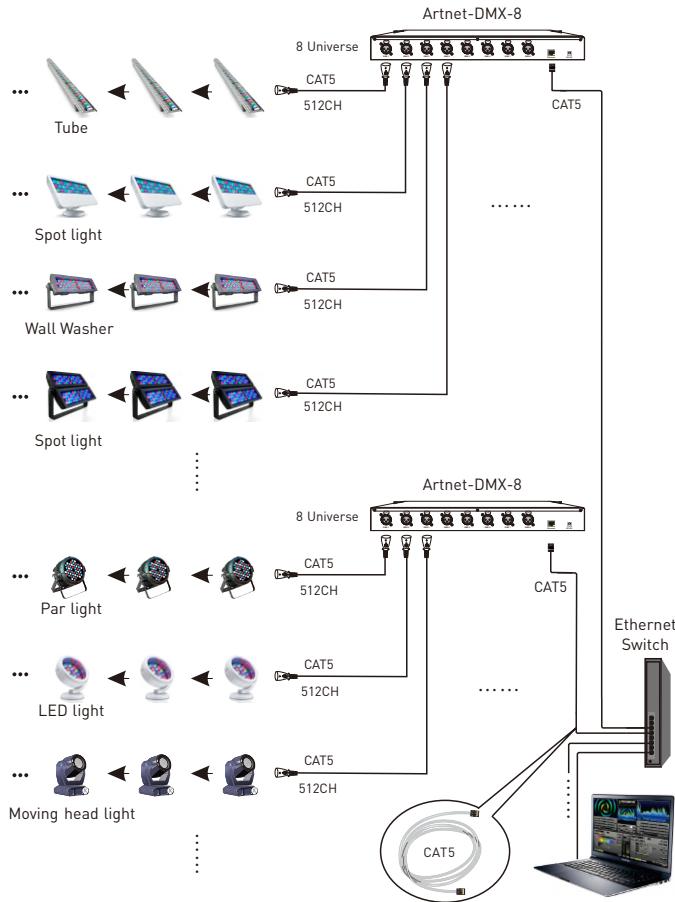
## Product Size



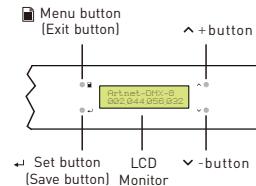
## Main Component Description



## Wiring Diagram



## Screen Use



### Button Operating Instructions:

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

### Main Interface

Artnet-DMX-8  
002.044.056.032

### Network

Network-IP:  
002.044.056.032

Network-Mask:  
255.000.000.000

Network-Gate:  
002.000.000.001

### Universe

Universe(1~4)  
001.002.003.004

Universe(5~8)  
005.006.007.008

### Other Functions of Button:

In the main interface, long press to enter test mode (send the dark, light and highlighting jumping data to the 8 ports). Press to quit the test mode.

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

Factory Default  
Loadings...

## 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:

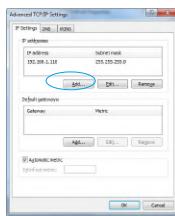
1. Install the Madrix 3 software in the computer, the icon on the desktop : 
2. Use the equipped adapter to power ArtNet-DMX-8.
3. Connect ArtNet-DMX-8 and computer via the cable.
4. IP Setting: This control system is compatible with random network segment. According to the ArtNet protocol, 2.X.X.X or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



4.1 Open the Network, click "Properties" button of the TCP/IPv4 protocol.



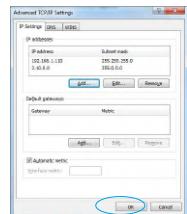
4.2 Click "Advanced".



4.3 Click "Add".



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.

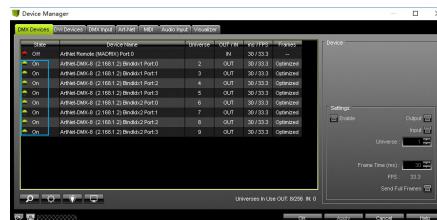
5. Open Madrix 3 software, choose "preferences" > "device manager" from menu.



6. In "device manager" dialog, choose "ArtNet" tab, tick "enable" and click search .



7. 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.



\* MADRIX® is registered trademarks of Inoage GmbH Co., Inc. in Germany.



## Artnet-DMX控制系统

Artnet-DMX-8



ART  
NET  
ETHERNET

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。

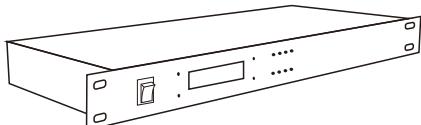


## 性能参数

### Artnet-DMX-8

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

## 包装内容



控制系统 1台



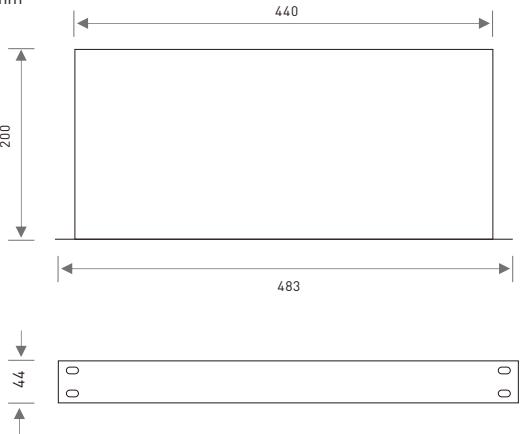
电源适配器 1个



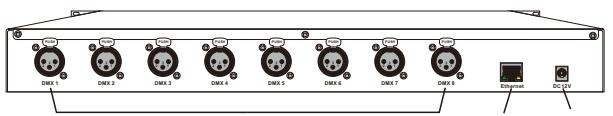
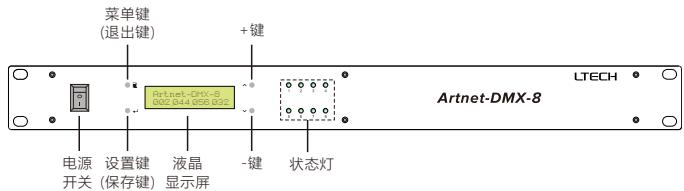
说明书 1本

## 尺寸图

单位: mm



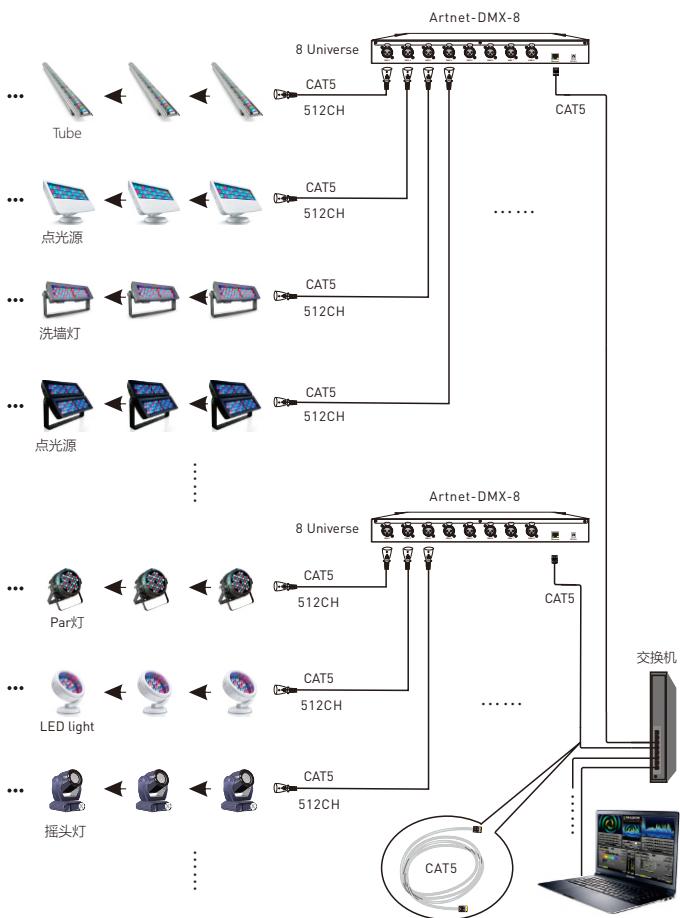
## 产品说明



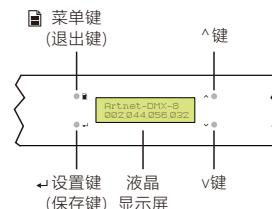
DMX输出1-8

Artnet输入 电源输入

## 连接示意图

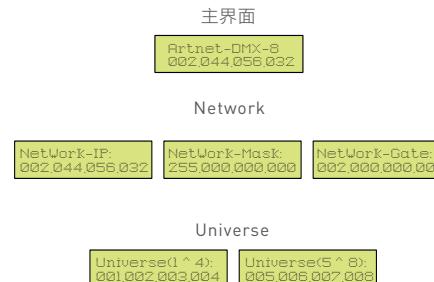


## 显示屏使用



## 按键操作说明：

在主界面按菜单键 进入菜单界面，按  $\wedge$  键或  $\vee$  键可上下移动菜单，按设置键  $\leftarrow$  可设置相应的参数，按  $\wedge$  键或  $\vee$  键可加减参数，设置完成按设置键  $\leftarrow$  保存设置，按菜单键 退出设置状态。



## 按键其它作用：

在主界面下，长按设置键  $\leftarrow$  进入测试模式 (向8个端口发送暗、中亮、高亮跳变效果的数据)，按菜单键 退出测试模式；

在主界面下，同时长按+键  $\wedge$  与-键  $\vee$  恢复出厂设置；

## 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:

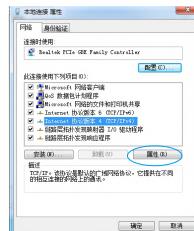


MADRIX 3

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:



(1) 打开网络 , 点击TCP/IPv4



(2)点击“高级”按钮



(3) 点击“添加”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”;



6、在“设备管理器”对话框中 , 选择“ArtNet”选项卡, 勾选“启用” , 并点击搜索 ;  
电脑将搜索到ArtNet-DMX-8



7、切换至“DMX设备”选项卡, 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.



\* MADRIX® 为 inoage GmbH公司在德国及其他国家的注册商标。