

LTECH

Artnet-DMX Control System

Artnet-DMX-8



ART
NET
ETHERNET

Manual

Product Introduction

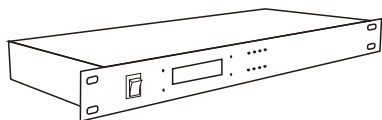
- Ethernet Control System based on the Artnet protocol.
- Set different network segments to avoid multiple sets Artnet data interference.
- Convert the Artnet network data package into DMX512 data.
- Adopting high-speed ARM processor, stable and reliable.
- Supports RJ45 network interface and 3-pin XLR 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.

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



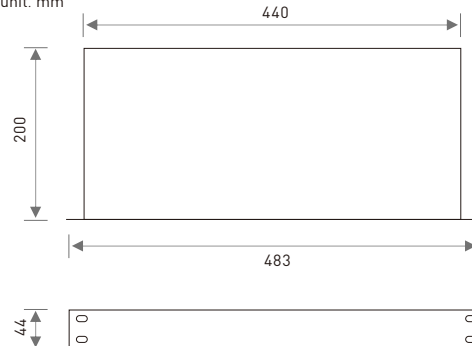
Power Adapter 1pcs



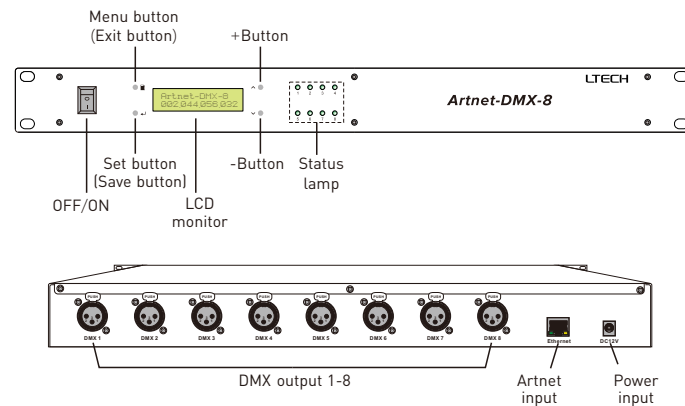
Manual 1pcs

Product Size

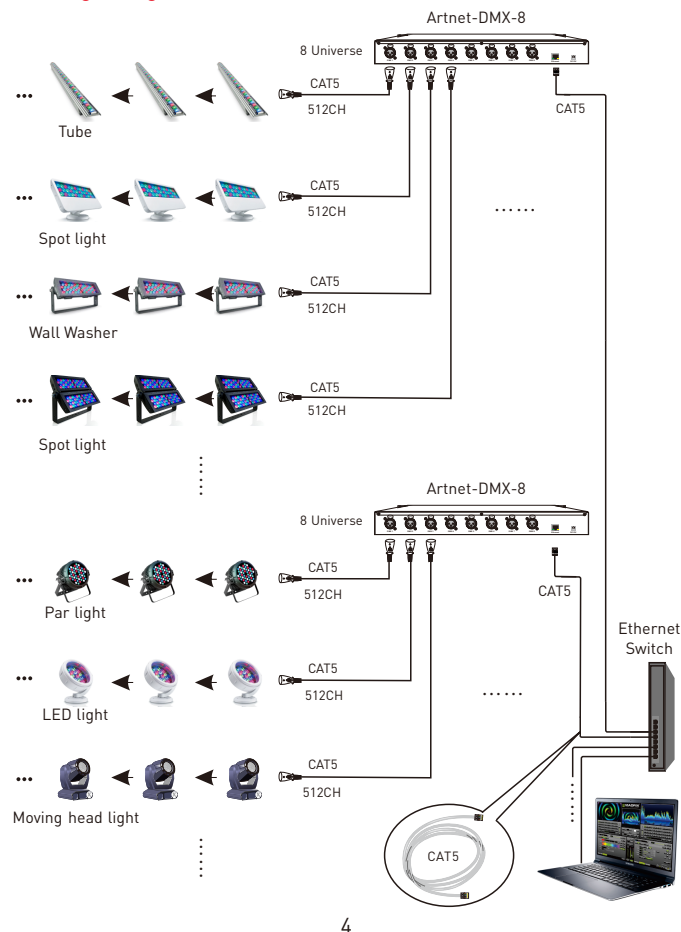
The unit: mm



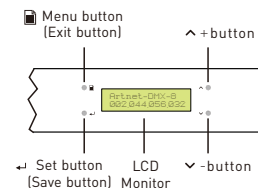
Main Component Description



Wiring Diagram



Screen Use



Button Operating Instructions:

Press the menu button  in the main interface to enter the menu interface. Press ^ / v button to move up and down the menu, press the setting button  to set the relative parameter, Press ^ / v 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.

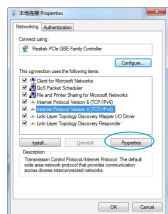
In the main interface, long press ^ / v at the same time to restore factory settings.

Factory Default
Loading...

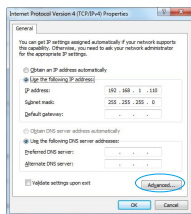
Connect ArtNet-DMX-8 To the Computer

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

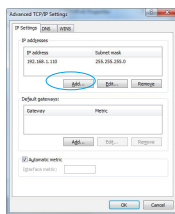
1. Install the Madrix 3 software in the computer, the icon on the desktop : 
2. Use the equipped adapter to power ArtNet-DMX-8.
3. Connect ArtNet-DMX-8 and computer via the cable.
4. IP Setting: This control system is compatible with random network segment. According to the ArtNet protocol, 2.X.X.X or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



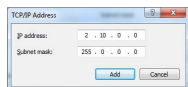
4.1 Open the Network, click "Properties" button of the TCP/IPv4 protocol.



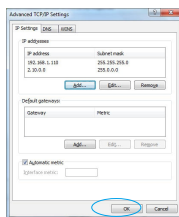
4.2 Click "Advanced".



4.3 Click "Add".



4.4 Add the IP address 2.X.X.X or 10.X.X.X [X could be arbitrary value].

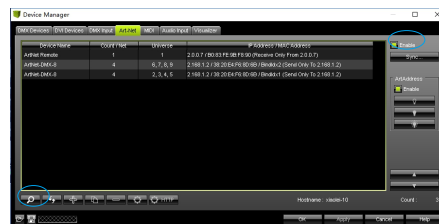


4.5 Interface of adding successful, click "OK" and exit.

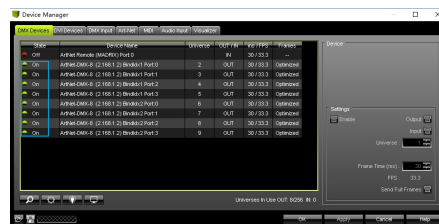
5. Open Madrix 3 software, choose "preferences">" device manager" from menu.



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



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.

LTECH

Artnet-DMX控制系统

Artnet-DMX-8

ART
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使用说明书

产品介绍

- 基于Artnet协议的以太网网络控制系统；
- 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；
- 自带液晶显示屏，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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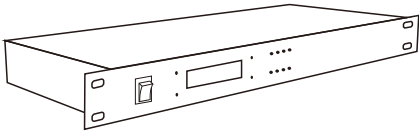


性能参数

Artnet-DMX-8

电源输入：	5-24Vdc	网口隔离：	总隔离
接收信号：	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

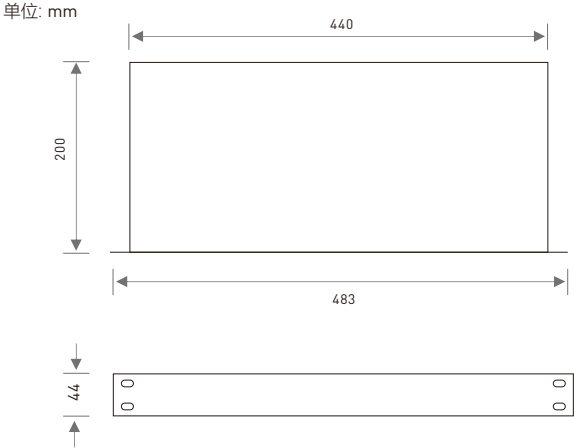


电源适配器 1个

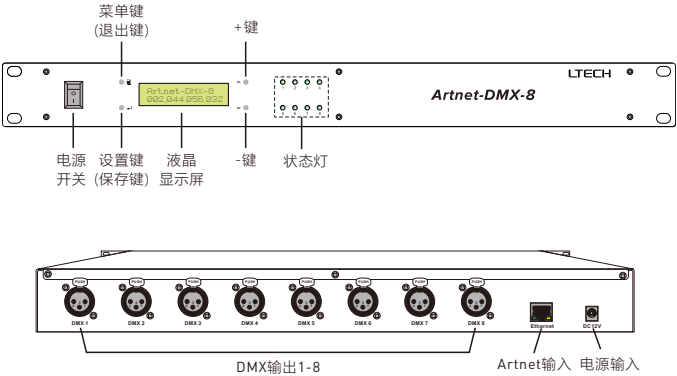


说明书 1本

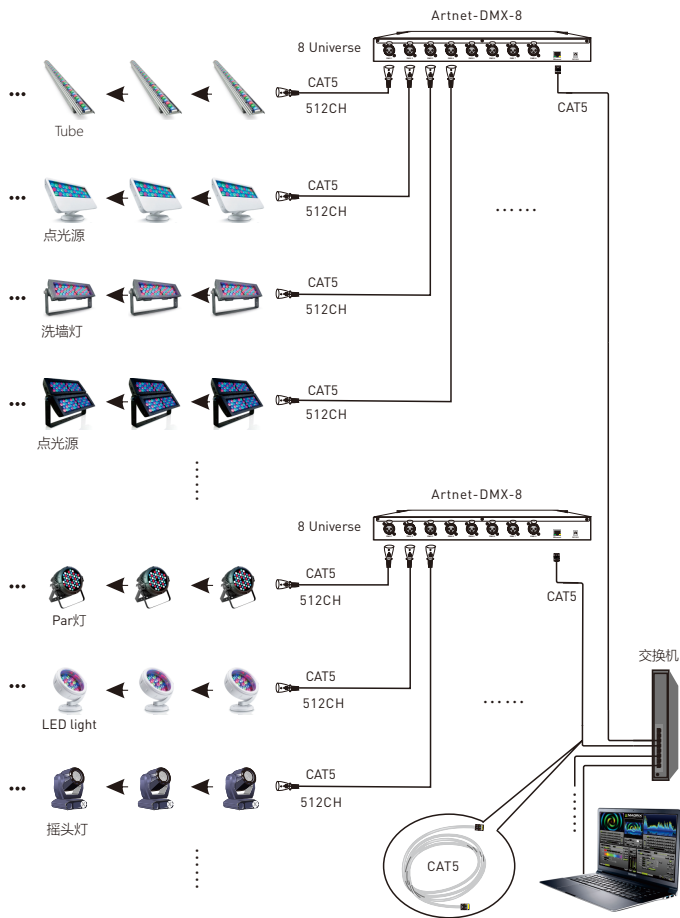
尺寸图



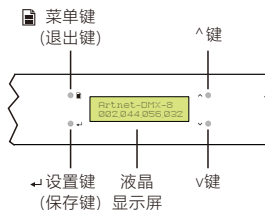
产品说明



连接示意图

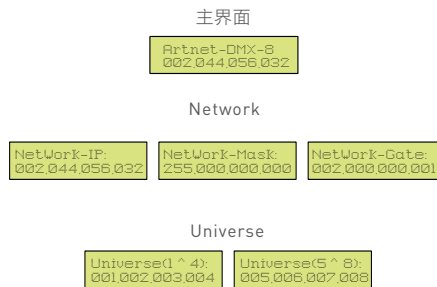


显示屏使用



按键操作说明：

在主界面按菜单键 进入菜单界面，按 ^ 键或 v 键可上下移动菜单，按设置键 可设置相应的参数，按 ^ 键或 v 键可加减参数，设置完成按设置键 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 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 ^ 与-键 v 恢复出厂设置；

Factory Default Loading...

ArtNet-DMX-8连接电脑

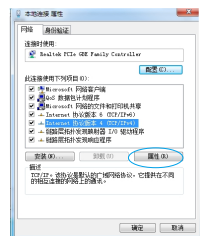
本产品支持市面上所有的ArtNet软件, 下面以MADRIX为例进行说明:

- 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:

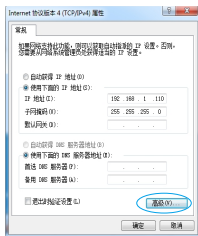
- 5、打开MADRIX 3软件, 在菜单上选择“首选项”/“设备管理器”;



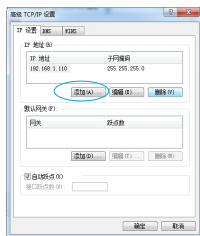
- 6、在“设备管理器”对话框中, 选择“ArtNet”选项卡, 勾选“启用”, 并点击搜索 ; 电脑将搜索到ArtNet-DMX-8



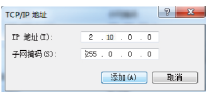
(1) 打开网络, 点击TCP/IPV4协议的“属性”按钮



(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



- 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。