

Artnet-DMX Control System

Artnet-DMX-8S

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Manual



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Product Introduction

- Ethernet Control System based on the Artnet protocol.
- Convert the Artnet network data package into DMX512 data.
- Adopting high-speed ARM processor, stable and reliable.
- Supports RJ45 network interface and DMX512 with RJ45 output interface.
- With TFT 2.4" LCD screen and 4 touch keys, very easy for setting operation.
- Update firmware via SD card or network.
- Support program record.
- Support offline playback.
- Compatible with the light software based on Artnet Protocol.
- 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.



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Technical Specs

Artnet-DMX-	8S
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Power input:	5Vdc, 1A	Screen size:	2.4", TFT 320 * 240
Input signal:	Ethernet	Isolation ethernet port:	Total isolation
Output signal:	8 universe	Isolation power input:	Total isolation
Network protocol:	Artnet Input / DMX output	Working temperature:	-30°C~55°C
SD card capability:	8G (support Max.16G)	Dimension:	L185×W115×H29mm
DMX output connection	n:RJ45	Package size:	L192×W164×H36mm
Network connection:	RJ45	Weight (G.W):	400g

Package Contents





Control System 1pcs

Power Adapter 1pcs





SD card (8G) 1pcs

Manual 1pcs

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Main Component Description





P Settings [268 WIN6 P addposes P addposes

Add _____ Pole ____ Demour

Add... Edg... Regove

4.3 Click " Add".

OK Cancel

Connect ArtNet-DMX-8S 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-8S.
- 3. Connect ArtNet-DMX-8S 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:

evolving Automation			
Connect using:			
🔮 Realtak PCIe GBE Family G	stule		
		Configure	5 II
the connection uses the roloving	beng.		- 1
Cold Design Collection			
R Afle and Finter Shating for	Monanit Nate	ote	
E - Internet Protocol Version	5 (TCP//Fv0)		
😸 🔺 Internet Photocol Version -	K (TOP/IFWE)		
H + Link-Layer Topology Disc	every Mapper U	O Driver	
M - Link-Layer Topology Disc	overy Responde		
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igtal. Unit	est 🔍	Popetes	2 1
Description			- II
Transmission Cantrol Protect/In	tomet Protocol.	The default	
was area network protocol that accurate disease interconcepted in	provides contra Marchin	ricidon	
			- 11

u can get IP settings assign	ed automatically if your network supports	
a capability. Otherwise, you the appropriate IP settings	need to ask your network administrator	
O Obtain an E arithme and	matraly	
Lige the following IP addr	essi	
(P address:	192 . 169 . 1 . 110	
Sybnet made	255.255.255.0	
Default gateway:		
Cotan DNS server addre	m externetically	
Use the following DNS se	rver addresses:	
Eventemed DNS server:		
Alternate DNS server:		
🔣 Vajidate settings upon e	st Adjanced	\geq

 Open the Network, click "Properties" button of the TCP/IPv4 protocol. 4.2 Click " Advanced".

		P Settings [265 P addystees
		IP address
TCP/IP Address	2 ×	192, 368, 1, 11 2, 30, 0, 0
IP address:	2 . 10 . 0 . 0	
Subpat marks	155 0 0 0	Default gateway
george comme	23.0.0	Goleway
	Add Cancel	
Add the IP	address 2 X X X or 10 X X X	Z Agonatic me
IX could be	e arbitrary value).	Igterface metric



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

 Open Madrix 3 software, choose preferences">" devi 	ice manage	r" from	menu
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In "device manager" dialog, choose "ArtNet" tab, tick "enable" and click search Artnet-DMX-8S will be searched.

DeniceTonie	CONTRACTOR OF	Unece	Printingers / Mill & Enthros	Crabe
			2.0.07 (80.63 FE 98 FE 90 (Receive Only From 2.0.07)	-
			2 160 1 2 / 30 20:04 F6:00:60 / Bindib:1 (Send Only To 2 160 1 2)	

 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-8S.

- Disto	Revise Name	United	COLUMN 2	101110-0	firence.	Device
 Off 	Arthet Remote (HADRIX) Port 0					Arther Plenote (MACPEX) Port D
					Ostinized	
	Athle 266/02 (2180.12) Bruke 1 Pot 1					R 2007 UN OUT 1
	Advances (2.155.1.2) Bridded Polt 2				Optimized	MAGREE2 mange
	AdheL040C8S (218812) Brv804 Polt3				Optimized	
	Artike-Cell/405 (2:190.1.2) Divide: 2 Port 0				Optimized	
						Setings
	Arther 2000/055 (2:169:12) Bhv80/2 Port 2				Optinized	Cable Output
						Equit.
						Diverse:
						London Lond 1
						PPS: 33.3
			_			Send Full Franes

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Playlist



For example: set Playlist04 include two programs: RDNAME02, RDNAME05.



Recording Function



Long press "O" into prerecorded state, short press "O" to switch pause • / record • Support to record 16 programs. (RDNAME01.LT-RDNAME16.LT)

114102KB/127732KB Digital changes indicate the program is recording. Recorded programs will appear in the list.

Recorder

Timers



When $\lfloor + \rfloor$ highlighted, long press "O" key into selection of timing programs, then OTROMAMEDILT highlighted, press "<"/">" keys to switch program, short press "O" to tick " \checkmark " in the box. (means selected)

For example: set Timing03 as every 19:00-21:00 during December 7th -25th, 2016, to play the programs RDNAME04 and RDNAME07.

Long press "O", [1. Timingo1] highlighted, press ">" keys to [3. Timing03]; short press "O" to tick " " in its box; Long press "O" into its submenu, press ">" to

Long press "O", the year of Start Date highlighted Sentrose 20100000, press ">" keys to adjust to 2016; short press "O" to month 20100000, press ">" keys to adjust to 12; short press "O" to date 20100000, press ">" keys to adjust to 7; short press "O" to time 120000000, press ">" keys to adjust to 19:00. OK, Start date setup finished. Start Date 2010112000

Short press "O", the year of End Date highlighted endowebortowed, press ">" keys to adjust to 2016; short press "O" to month endowed, press ">" keys to adjust to 12; short press "O" to date endowed and endowed

Short press "O" to $\lfloor + \rfloor$, then long press "O", [DIRDIVALEDITE highlighted, press ">" keys to \Box RDIVALEDITE highlighted, press ">" keys to \Box RDIVALEDITE highlighted, press ">" keys to \Box RDIVALEDITE highlighted, press "O" to tick " \checkmark " in its box.

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Tools



Press "<" / ">" keys to switch tab of " Monitor", "Update" and "Default".

Network				
	IP	ArtNet		
IP:	C	02.111.056.115		
MASI	<: 2	55.000.000.000		
GATE	: 0	02.000.000.001		

IP Setting:

Long press "O", the IP value highlighted $\frac{19}{1000}$, press "<"/ ">" keys to adjust value, short press "O" to switch to next number.

Please set ArtNet-DMX-8S at same network segment as computer IP, factory default of ArtNet-DMX-8S is 2.X.X.X.

Network				
IP	ArtNet			
	Universe			
ArtNet>DMX	1 000			
ArtNet>DMX	2 001			
ArtNet>DMX	2 002			
ArtNet>DMX	4 003			

Artnet Setting:

Long press "O", ArtNet.....>DMX1 highlighted, press "<"/ ">"key to adjust value, short press "O" to switch DMX1~DMX8.

Process the setting according to the actual construction channels.





Monitor



Long press "O" can update ARTNET-DMX-8S with the file in SD card.





Long press "Or again to back to factory default setting.

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Attention

- 1. The product shall be installed and serviced by the qualified person.
- This product is non-waterproof. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4. Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

Warranty Agreement

1. We provide lifelong technical assistance with this product:

- A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
- For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.

2. Warranty exclusions below:

- Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
- · The product appears to have excessive physical damage.
- · Damage due to natural disasters and force majeure.
- Warranty label, fragile label and unique barcode label have been damaged.
- The product has been replaced by a brand new product.
- Repair or replacement as provided under this warranty is the exclusive remedy to the customer. We shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
- Any amendment or adjustment to this warranty must be approved in writing by our company only.

★This manual only applies to this model. We reserve the right to make changes without prior notice.

Setting



Long press "O", the first value highlighted, press "<"/">" keys to adjust values, short press "O" to switch to next number. Long press "O", Time Zone highlighted, press "<"/">
 "<"/">
 "keys to adjust values, short press "O"
 to switch to Daylight saving time, press "<"/>">"
 keys to tick ' </" in the back box, long press
 "O" to set Daylight saving time.

Information



Press "<"/">" to switch the tabs of "version" and "help", to view relevant information, no need to set.



Artnet-DMX 控制系统

Artnet-DMX-8S

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使用说明书

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产品介绍

- 基于Artnet协议的以太网络控制系统;
- 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RJ45的DMX512输出接口;
- 采用TFT 2.4寸液晶屏, 配备4个触摸按键, 设置操作方便直观;
- 可通过SD卡或网络更新固件;
- 支持节目录制;
- 支持脱机播放;
- 可以与兼容Artnet协议的灯光控制软件配合使用;
- 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-8S

电源输入:	5Vdc, 1A	屏幕尺寸:	2.4寸, TFT 320 * 240
接收信号:	以太网	网口隔离:	总隔离
输出信号:	8 Universe	电源隔离:	总隔离
网络协议:	ArtNet输入/DMX输出	工作温度:	-30°C~55°C
SD卡容量:	8G (最大支持16G)	产品尺寸:	L185×W115×H29mm
DMX输出连接:	RJ45	包装尺寸:	L192×W164×H36mm
网络连接:	RJ45	重量(毛重):	400克

包装内容



控制系统 1台

电源适配器 1个





SD卡(8G) 1张

说明书 1本

电源插口

SD卡插槽

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尺寸图







产品说明





ArtNet-DMX-8S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:

:示为: 🤜 MADRIX 3

- 2、用配备的电源适配器连接ArtNet-DMX-8S至电源;
- 3、用网线将ArtNet-DMX-8S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:







(3) 点击"添加"按钮

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 2 ; 电脑 将搜索到ArtNet-DMX-8S

	1	- 204	P 地址MAC 地址 2107/001070307030(仅表 2007 接款)	
Arbiel-CMX-85			2.168.1.2.138.20.54.76.80.851/Bindids2(你定该到 2.168.1.2)	
Addition (States)		2,3,4,5	2.168.1.27.58.20.E4F6.80.89.78A841 (222223)(2.168.1.2)	T ACADRE
				C on
				-
				_

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-8S控制灯具了.

- 110-	176450	2 4	31/21	101102		1 KR
• ×	ArtNet Renote (MADRID) Port 0				-	Arthet Prenote (MACPEX) Port 8
- 开					RR	
- 开	Adher Celectory (2.150.1.2) Deutech Port:1					Arbiet Plenote IR: 2007 LIN: 017.1
● 开					393	MACIFICO Incoge
● 开	Adhed DelkidS (2180.12) Divide 1 Polt 2					
● 开	Advad-200K-85 (2.155.1.2) Briddy2 Polt 0				1000	
• 开						102
- 开					我化	E 104 622
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						648114((ms):
						FPS: 22.3
						XXEM

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地址(X为任意数值)



(5) 添加成功后的界面,确定退出



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长按"O", < 01. Play List 01 > 高亮显示,按" > "键切换至 < 04. Play List 04 > ,长按"O" 01. RDNAME01.LT 高亮显示, 按" > "键切换至 O2 RDNAMEO2.LT , 短按" O"在其后方框打 ✔, 按" > "键切换至 O5 RDNAMEO5.LT , 短按" O"在其后 方框打, 设置完成。

录制功能



录制

长按"O"按键进入预录制状态

短按"○"按键切换 ● ● (● 暂停 ● 正在录制) 可录制16个节目 (RDNAME01.LT-RDNAME16.LT)

114102KB/127732KB 此处数字变化表示节目正在录制 录制好的节目会出现在列表中。

定时



按 "<" ">" 键切换功能, 当 🙂 出现方框时,按"0"键进入定时的 一级子菜单。





当 + 高亮显示时,长按"O"进入定时节目的选择, [01.RDNAME01.LT] 高亮显示,按"<"">" 键切换节目, 短按"O"在节目后的方框内打"+"(表示被选中)

例如:设置Timing03为2016年12月7日-25日每天19:00-21:00播放RDNAME04 RDNAME07两个节目。 操作步骤

长按"O", 1. Timing01 高亮显示,按">"键切换至 3. Timing03 , 短按"O"在该定时后方框内打✓ 长按"O"进入二级子菜单,按">"键切换至 Date V

长按"O", Start Date的年高亮显示 51art Date [2016 03228],按">"键调节为2016;短按"O"切换至月 [2016 0328] 按" > "键调节为12; 短按"O"切换至日 2005-022-23, 按" > "键调节为7, 短按"O"切换至时间 12.07.08 00, 按" > "键调 节为19:00,开始时间2016年12月7日19:00设置完成 Start Date: 2016.12.07 19:00

短按"O", End Date的年高亮显示 ፪៧୦៩% [2016 0820] ,按">"键调节为2016; 短按"O"切换至月 [2016 0820] 按">"键调节为12; 短按"O"切换至日 2000 2220, 按">"键调节为25, 短按"O"切换至时间 1222 100 100, 按">"键调 节为21:00,结束时间2016年12月25日21:00设置完成 End Date: 2016.12.25 21:00



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工具



按 "<" ">" 键进行"Monitor""Upgrade""Default"的选项卡切换

Network						
	IP ArtNet					
IP:	002.111.056.115					
MASK	255.000.000.000					
GATE	002.000.000.001					

IP设置:

请将ArtNet-DMX-8S和电脑IP设为同一网段, ArtNet-DMX-8S出厂 默认为2.X.X.X



长按"O", ^{DMX→>} 「高亮显示, 按" < "" > "可查看DMX1~DMX8 的教报输出情况, 短按"O"可翻页。

监测



 Network

 IP
 ArtNet

 Universe
 Universe

 ArtNet--->DMX1
 000

 ArtNet--->DMX2
 001

 ArtNet--->DMX2
 002

 ArtNet--->DMX4
 003

Artnet设置:

请根据实际施工通道进行相应设置。

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恢复出厂设置

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设置

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按 "<" ">" 键切换功能, 当 🥸

出现方框时,按"O"键进入设置的

子菜单。

Setting

1/01 00:00 00/00 00:00

时区 夏今时

长按"O",时区高亮显示,按"<"">"键

调节数值,短按"0"切换至夏令时,按"

<"">"键在其后方框打 V. 长按"O",讲

Clock Location

Time Zone

入夏今时的设置。

注意事项

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- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、本产品不能防水,需避免日晒雨淋,如安装在户外,请用防水箱。
- 3、良好的散热条件会延长LED控制器的使用寿命,请把产品安装在通风良好的环境。
- 4、请检查使用的LED电源输出电压是否符合产品电压范围要求。
- 5、使用的电线直径大小必须能足够负载连接的LED灯具,并确保接线牢固。
- 6、通电调试前,应确保所有接线正确,以避免因接线错误而导致灯具损坏。
- 7、如果发生故障,请勿私自维修;如果有疑问,请联系供应商。

保修协议

1. 购买雷特LED控制器产品享受终身技术支持和保修服务:

- •免费保修:自购买之日起五年内出现产品质量问题雷特将给予免费修理或更换服务。
- 有偿保修:超过免费保修期的产品收取适当的维修材料成本费用。

2. 以下情况不在免费保修或更换服务范围之内:

- 过高电压、超负载、操作不当等人为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
- 产品保修标签和产品唯一条形码损坏。
- 产品已经更新换代。

3. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任。

4. 只有雷特享有修正或调整本保修条款的权利,并以书面形式发布认定为准。

★ 本说明书仅适用于本型号产品,如有更新恕不另行通知。

子菜单

莁单



Menu

长按"O",时钟下的第一个 数字高亮显示,按"<"/"> "鍵 调节数值,短按 "O" 切换不 同组数字 。

信息



按 "<" ">" 键进行版本和帮助的选项卡切换,用于查看相关信息,无需设置。