#### 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.



1

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#### 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





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

2 . 10 . 0 . 0

Add Cancel

Subnet mask:





Interface of adding successful click "OK" and exit.



#### Artnet-DMX Control System

Artnet-DMX-8S







Power input

SD card slot



Feel grateful, Fighting

Innovation, win-win

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#### **Product Size**



#### Main Component Description







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#### Technical Specs

Artnet-DMX-8S				
5Vdc, 1A	Screen size:	2.4", TFT230+240		
Ethernet	Isolation ethernet po	rt:Total isolation		
8 universe	Isolation power input	: Total isolation		
Artnet Input / DMX output	Working temperature	e: -30°C~55°C		
8G (support Max.16G)	Dimension:	L185×W115×H29mm		
DMX output connection:RJ45		L192×W164×H36mm		
RJ45	Weight (G.W):	400g		
	5Vdc, 1A Ethernet 8 universe Artnet Input / DMX output 8G (support Max.16G) n:RJ45 RJ45	5Vdc, 1AScreen size:EthernetIsolation ethernet por8 universeIsolation power inputArtnet Input / DMX outputWorking temperature8G (support Max.16G)Dimension:m:RJ45Package size:RJ45Weight (G.W):		

#### Package Contents



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MADRIX 3



4.3 Click " Add".



Control System 1pcs



Power Adapter 1pcs



Manual 1pcs

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SD card (8G) 1pcs

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

file Edit Deferences Window Josh Depleas Language	Hda

2

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



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.

	Device Dance	<b>Heisene</b>	COLUMN.	TO THE	Frances	C Device
On	ArtNet Remote (MADRIX) Port.0					
On	ArtNet-DMX-8S (2.44.56.83) Bindlax1 Port.0		out	30/33.3	Optimized	
On	ArtNet-DMX-8S (2.44.56.83) Bindidx1 Port:1				Optimized	
	ArtNet-DMX-8S (2.44.56.83) Bindidx1 Port:2				Optimized	
On	ArtNet-DMX-85 (2.44.56.83) Dindicx1 Port:3				Optimized	
	ArtNet-DMX-8S (2.44.56.83) Port 0				Optimized	
	ArtNet-DMX-8S (2.44.56.83) Port 1				Optimized	Secreta A A
	ArtNet-DMX-85 (2.44.56.83) Port 2				Optimized	E trace cup
On	ArtNet-DMX-85 (2.44.58.83) Port 3				Optimized	Universe :
						France Time (ms):
						rrs. 334

st MADRIX $^{\textcircled{B}}$  is a registered trademark of Inoage GMbH Co., Inc. in Germany.



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LCD Screen Interface Diagram Playlist Timing Play List List Recorder Date V Date Week File Time: 00:00 Play List List Rec 01. Play L Long press ⇒ to switch main interface Press O to enter menu Main Interface ArtNet-DMX-8S 🖁 🗹 Boot interface No Timina: No file LTECH rtNet-DMX-8S 🖁 🗹 Player RDNAME02.LT Setting Clock Lo Touch Key 29 03  $\Box$ < > 0 Back key Setting key (long press to enter submenu) Parameter adjusting key Entries switching key 7

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">" keys to switch functions

o enter submenu of Network.

n 🖁 appears in the box, press

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#### Network







#### IP Setting Long press "O", the IP value highlighted $\ensuremath{{\sc P}}\xspace$ , press "<"/ ">"key 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.



Artnet Setting Long press "O", [ATINet-->DMX1] highlighted, press "<"/ ">"key to adjust value, short press "O" to switch DMX1~DMX8.

Process the setting according to the actual construction channels.

End Date: 2016.03.29 22:00 + 02.60MMED.LT 03.60MMED.LT 04.60MMED.LT	Start. 00:00 End. 00:00   + 01 RDNAME01 LT 03 RDNAME03 LT 04 RDNAME04 LT	ArtNet>DMX2 001 ArtNet>DMX2 002 ArtNet>DMX4 003
Time Timer 1. Timing01 2. Timing 02 3. Timing 03 4. Timing 04		Network   IP ArtNet   IP: 002.111.056.115   MASK: 255.000.000.000   GATE: 002.000.000.001
Menu Menu Fiyy Ust Fiyy Ust Setting Tools	Network	
Tools   Tools   Monitor Upgrade Default   0% 0% 0% 0%	Tools   Monitor Upgrade Default   System Load Default Memory Card Format    Yes No	Information Info Version Help Device Type ArtNet (DXX-85 SH Drash May 11 2016 11 06.46 SH Version V 10000 MAC 18 12 77 46 45 874 Memory : 770144058/770652448 New State ArtNet (DAX ASS New State ArtNet
	8	
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#### Tools







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



Long press "O", DMX----> 1 highlighted, Press "<"/">" key to view the data output of DMX1~DMX8, short press "O" to flip over.

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

12



Long press "O", ves highlighted, long press "O" again to back to factory default setting

# Playlist Meni "0" ł Long press "O" to set, <a href="https://www.sets.action.org">to set. <a href="https://www.sets.action.org">https://www.sets.action.org</action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org</action.org"</a> <a href="https://www.sets.action.org">https://www.sets.action.org"</a> <a href="https://www.sets.action.org"/>www.sets.action.org"</a> <a href="https://wwww.se List R Long press "O" to program selection; DI.RDNAME01.LT highlighted, press "<" / ">" keys to switch RDNAME01~16 Short press "O", tick "✓" in the box. (means the program has been selected by the playlist)

For example: set Playlist04 include two programs: RDNAME02, RDNAME05. Long press "O", < 01. PhyList 01 > highlighted, press ">" keys to < 01. PhyList 04 > ; Long press "O", 01. RDNAMED1LT highlighted, press ">" keys to [02RDNAMED2LIT], short press "O", tick" 🗸 " in its box; Press ">" keys to DS.RDNAMEDSLT short press "O", tick " ✓ " in its box. OK, complete.

#### Recording Function

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IP ArtNet

Network



Long press "O" into prerecorded state. short press "O" to switch **O** (**D** .[ **O** pause, **(**) record] Support to record 16 programs. (RDNAME01.LT-RDNAME16.LT) 114102KB/127732KB Digital changes indicate the program

Recorded programs will appear in the list

9

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Meni



Cloc

Long press "O", the first value highlighted, press "<"/">" keys to adjust values, short press "O" to switch to next number.

to switch to Daylight saving time, press "<"/>">" keys to tick " $\checkmark$ " in the back box, long press "O" to set Daylight saving time

"0"

Location

## Information



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



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### Timers





Press "<" / ">" keys to switch tab of "List" and "Recorder





<" / ">" keys to switch functions. appears in the box, press enter submenu of Setting.

ess "<" / ">" keys o switch tab of "Clock" and "Location"

Long press "O", Time Zone highlighted, press "<"/">" keys to adjust values, short press "O"

> ess "<" / ">" keys to switch functions appears in the box, press



When + highlighted, long press "O" key into selection of timing programs, then OI.RDNAMEO1.LT highlighted, press "<"/">" keys to switch program, short press "O" to tick "  $\checkmark$  " in the (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. Timing01 highlighted, press ">" keys to 3. Timing03 ; short press "O" to tick " 🗸 " in its box; Long press "O" into its submenu, press ">" to Date V.

OK, Start date setup finished. Start Date: 2016.12.07\_19:00

Short press "O", the year of End Date highlighted End Date[2016[0329], press ">" keys to adjust to 2016; short press "O" to month **Bases and press ">** keys to adjust to 21:00. press ">" keys to adjust to 25. short press ">" keys to adjust to 21:00. OK, End date setup finished. End Date: 2016.12.25 21:00

Short press "O" to +, then long press "O", OIRDWARED highlighted, press ">" keys to OURDWARED , short press "O" to tick " $\checkmark$ " in its box; press ">" keys to OURDWARED , short press "O" to tick " $\checkmark$ " in its box. 10

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#### Attention

- 1. The product shall be installed and serviced by the qualified person.
- 2. 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.
- 3. 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.
- 4. 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.