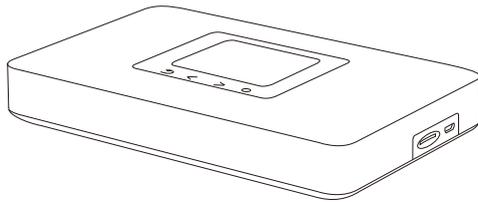


# LTECH

## Artnet-DMX Control System

Artnet-DMX-8S



Manual

ART  
NET  
ETHERNET

*Feel grateful, Fighting  
Innovation, win-win*

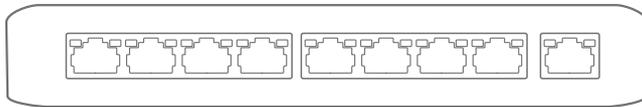


# LTECH

[www.ltech-led.com](http://www.ltech-led.com)

## 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.



DMX8 DMX7 DMX6 DMX5 DMX4 DMX3 DMX2 DMX1 ETHERNET

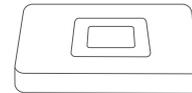


## Technical Specs

### Artnet-DMX-8S

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:	RJ45	Package size:	L192×W164×H36mm
Network connection:	RJ45	Weight (G.W):	400g

## Package Contents



Control System 1pcs



Power Adapter 1pcs



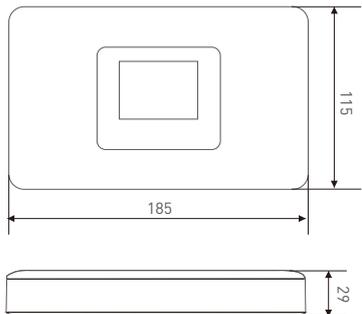
SD card (8G) 1pcs



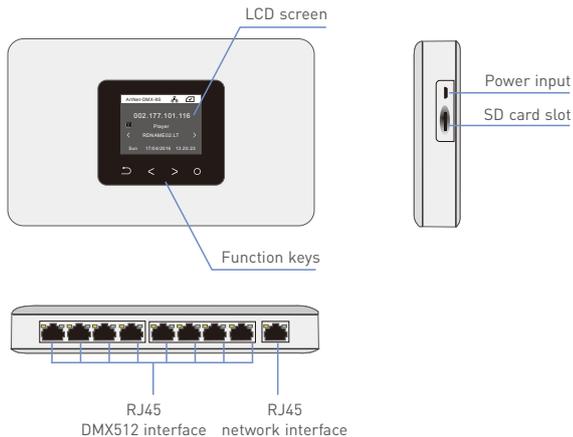
Manual 1pcs

### Product Size

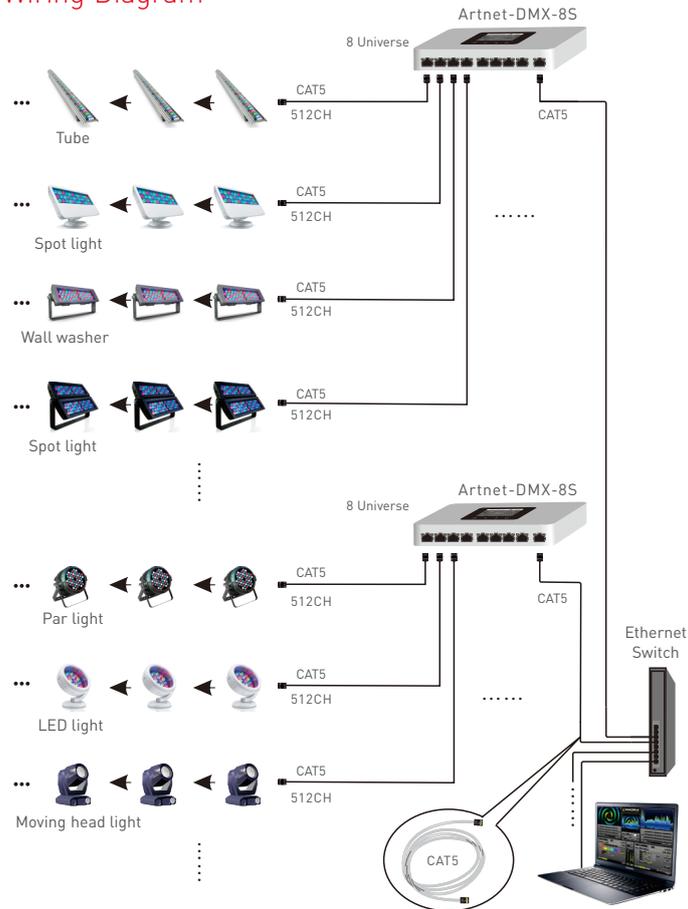
The unit: mm



### Main Component Description



### Wiring Diagram



# 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:

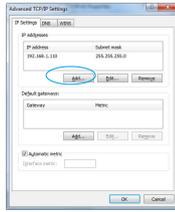
1. Install the Madrix 3 software in the computer, the icon on the desktop : 
2. Use the equipped adapter to power ArtNet-DMX-8S.
3. Connect ArtNet-DMX-8S and computer via the cable.
4. IP Setting: This control system is compatible with random network segment. According to the ArtNet protocol, 2.X.X.X 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.



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-8S 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-8S.



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



# Playlist

**Menu**



Press "<" / ">" keys to switch functions. When  appears in the box, press "O" key to enter submenu of Playlist.

**Submenu**

**Play List**

List Recorder

< 01. Play List 01 >

01.RDNAME01.LT ✓  
02.RDNAME02.LT ✓  
03.RDNAME03.LT ✓  
04.RDNAME04.LT ✓

List

**Play List**

List Recorder

File Name: RDNAME06.LT

File Time: 00:00

114102KB/127732KB

Recorder

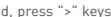
Press "<" / ">" keys to switch tab of "List" and "Recorder".

Long press "O" to set,  highlighted, press "<" / ">" keys to switch Playlist01-16.

Long press "O" to program selection,  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",  highlighted, press ">" keys to ; Long press "O",  highlighted, press ">" keys to , short press "O", tick "✓" in its box; Press ">" keys to  short press "O", tick "✓" in its box. OK, complete.

# Recording Function

**Play List**



Long press "O" into prerecorded state, short press "O" to switch pause  / record 

Support to record 16 programs. (RDNAME01.LT-RDNAME16.LT)

 Digital changes indicate the program is recording. Recorded programs will appear in the list.

**Recorder**

# Timers

**Menu**



Press "<" / ">" keys to switch functions. When  appears in the box, press "O" key to enter submenu of Timers.

**Submenu**



Long press "O",  highlighted, Press "<" / ">" keys to switch Timing01 ~06, short press "O" to tick "✓" in its box. (means the timing has been selected). Long press "O" to the next submenu.

**Timing01**

Date Week

Start Date: 2016.03.28 08:00

End Date: 2016.03.29 22:00

+ 01.RDNAME01.LT  
02.RDNAME02.LT  
03.RDNAME03.LT  
04.RDNAME04.LT

Date

**Timing01**

Date Week

Weed Day: Mon

Start: 00:00 End: 00:00

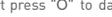
+ 01.RDNAME01.LT  
02.RDNAME02.LT  
03.RDNAME03.LT  
04.RDNAME04.LT

Week

When  highlighted, long press "O" key into selection of timing programs, then  highlighted, press "<" / ">" keys to switch program, short press "O" to tick "✓" 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",  highlighted, press ">" keys to ; 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 , press ">" keys to adjust to 2016; short press "O" to month , press ">" keys to adjust to 12; short press "O" to date , press ">" keys to adjust to 7; short press "O" to time , press ">" keys to adjust to 19:00. OK, Start date setup finished. .

Short press "O", the year of End Date highlighted , press ">" keys to adjust to 2016; short press "O" to month , press ">" keys to adjust to 12; short press "O" to date , press ">" keys to adjust to 25, short press "O" to time , press ">" keys to adjust to 21:00. OK, End date setup finished. .

Short press "O" to , then long press "O",  highlighted, press ">" keys to  short press "O" to tick "✓" in its box; press ">" keys to , short press "O" to tick "✓" in its box.



## Setting

*Menu*



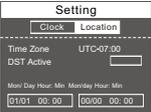
Press "<" / ">" keys to switch functions. When  appears in the box, press "O" key to enter submenu of Setting.

↓

*Submenu*



Clock



Location

Press "<" / ">" keys to switch tab of "Clock" and "Location".

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

*Menu*



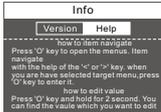
Press "<" / ">" keys to switch functions. When  appears in the box, press "O" key to enter submenu of Info.

↓

*Submenu*



Version



Help

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

## 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.