

Artnet-DMX-8 Artnet-DMX Converter



Artnet-DMX converter is the Ethernet Control System based on the Artnet protocol, used to convert the Artnet network data package into DMX512 data, adopting high-speed ARM processor, stable and reliable working. Following Art-net standard protocol, it supports RJ45 network interface and standard DMX512 output interface.

Artnet-DMX-8 use standard 1U(19") chassis architecture, convenient installation in professional cabinet, easily operation setting with LCD display.

Artnet-DMX-8 provides 8 standard DMX512 data output port, total output 8x512 data.

It is compatible with all the effects lighting control software which support Art-net protocol, widely used in the LED dot matrix and the stage lighting control network in needing lots of DMX-512 data, especially for TV station recorded scene, stage performances, entertainment and so on.

1. Technical Specs

Artnet-DMX-8

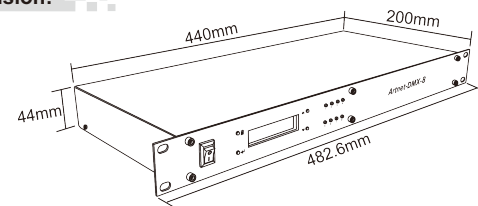
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| <ul style="list-style-type: none"> • Power input: 5-24VDC (with a power adaptor) • Input signal: Artnet • Output signal: DMX512 • DMX channels: 8x512 channels • Current: 30mA@12VDC • IP: Indoor use only • DMX Output Connection: XLR-3 | <ul style="list-style-type: none"> • Network Connection: RJ45 • Isolation Ethernet Port: Total Isolation • Isolation Power Input: Total Isolation • Working temperature: -20°C~65°C • Dimension: L482.6xW200xH44mm • Package Size: L550xW265xH100mm • Weight (G.W): 2200g |
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2. Performance Features

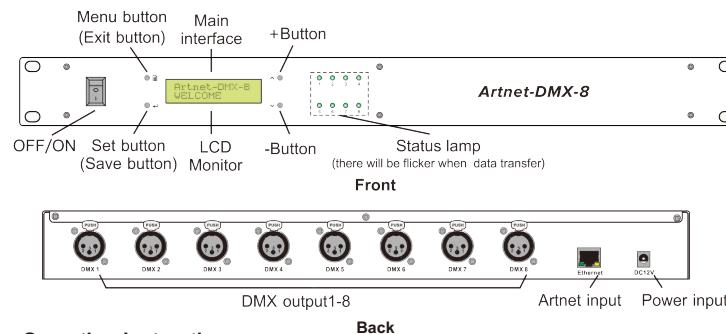
- 2.1. Based on Artnet protocol network data communication, accept network DMX data.
- 2.2 Two different IP address for each controller
- 2.3. Send packets to the network by broadcast mode

- 2.4. Manage Artnet on broadcast mode or unicast mode
- 2.5. Standard 1U(19") chassis architecture, convenient installation in the standard cabinet.
- 2.6. With LCD screen display, convenient operation intuitive settings
- 2.7. Provides 8 standard DMX512 data output port,output 8x512 data in total.
- 2.8. Set different network segments to avoid multiple sets Artnet data interference.
- 2.9. Compatible with the light software based on Artnet Protocol, control stage lighting and LED lighting simultaneously.
- 2.10 Connect up to 256 DMX Universes to one network.
- 2.11 10BaseT Ethernet Port.
- 2.12 Data activity indicators
- 2.13 Configurable DMX output refresh rates.

3. Product dimension:



4. Interface instruction:



Button Operating Instructions:

Press the menu button in the main interface to enter the menu interface(see the below table). Press the +/- button to move up and down the menu and set the relative parameter through press the setting button . Press the +/- button can increase or decrease the parameter. Press the setting button to save the setting when finished and press the menu button to quit the setting status.

Other Functions of Button:

In the main interface, long press the setting button to enter test mode (send the dark, light and highlighting skipping data changing effect to the 8 ports). Press the menu button or setting button to quit the test mode. In the main interface, long press the +/- button at the same time to restore factory settings.

One IP manage 1 Subnet and 4 Universe addresses, that is one IP manage 4 output ports (see the below table)

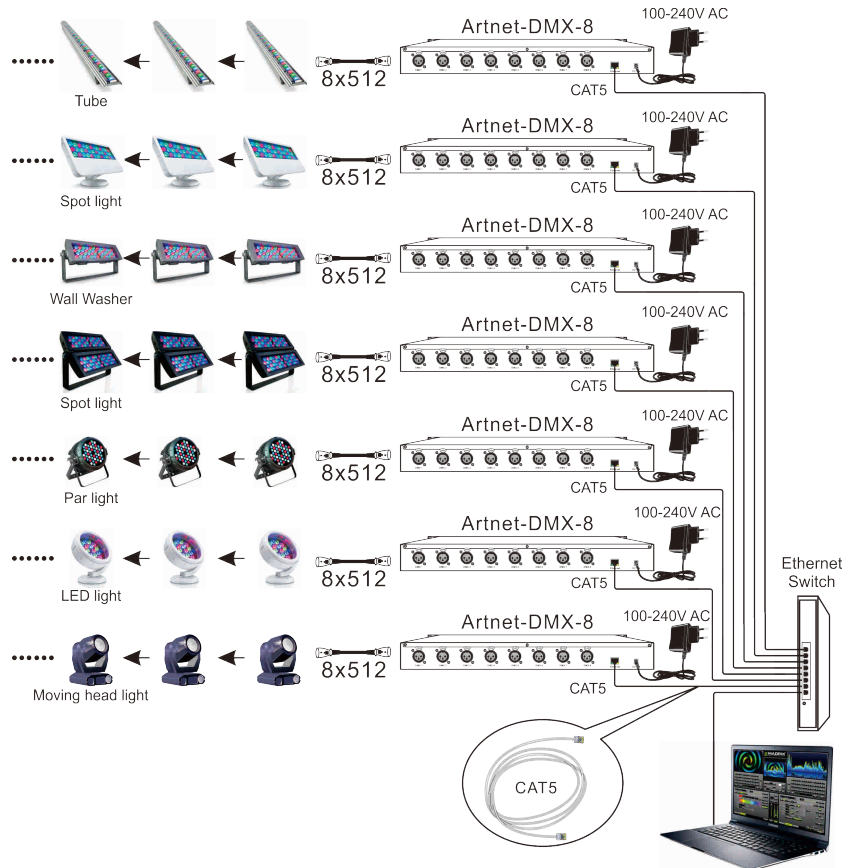
| IP | Subnet(0~15) | Universe(0~15) | | | |
|----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Node 1 IP 2.0.0.2 | Node 1 Subnet: 0 | Outlet : 1 Univ: 0 | Outlet : 2 Univ: 1 | Outlet : 3 Univ: 2 | Outlet : 4 Univ: 3 |
| Node 1 IP 2.0.0.3 | Node 2 Subnet: 0 | Outlet : 5 Univ: 4 | Outlet : 6 Univ: 5 | Outlet : 7 Univ: 6 | Outlet : 8 Univ: 7 |

The calculation method of DMX group address: Group address=Subnet*16 + Universe:

For example: Subnet for Node 1 is 2, Outlet: Univ for 2 is 8, then Outlet: the group address of 2 is Address=2*16+8=40

Remark: Two IP address can not be set to the same value to avoid the controller is not working properly caused by IP conflict.

5. Conjunction Diagram:



6. Attention:

- 6.1 The product shall be installed and serviced by the qualified person.
- 6.2 This product is non-waterproof. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 6.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 6.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 6.5 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.
- 6.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6.7 If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

7. Warranty Agreement:

- 7.1 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.
- 7.2 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.
- 7.3 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.
- 7.4 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.