Контроллер LT-Artnet-DMX-1 (220V, 512CH)

FC CE RoHS warranty 3 years SGS UKAS ISO9001:2008

Artnet-DMX converter is the Ethernet Control System based on the Artnet protocol, used to convert the Artnet network date package into DMX512 date, 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-1 can be configured in one of two ways: Artnet convert into DMX512, or DMX512 convert into Artnet.

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.
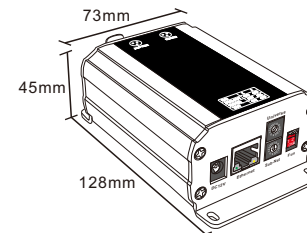
1. Technical Specs

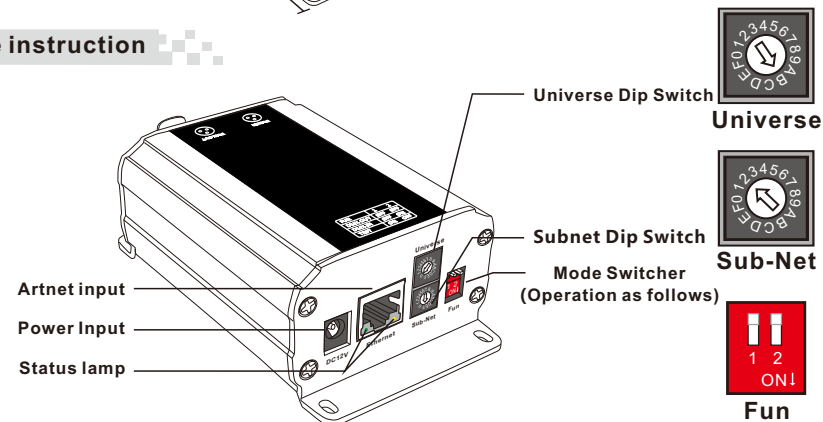| Artnet-DMX-1	
Power input	AC100-240V (with a power adaptor)
Input signal	Artnet/DMX512
Output signal	DMX512/Artnet
DMX channels	512 channels
Working temperature	-20℃~65℃
Dimension	L120×W73×H45mm
Package Size	L135×W80×H50mm
Weight (G.W)	290g

2. Performance Features

1 Based on Artnet protocol network data communication, accept network DMX data;

2 IP address is bound to Subnet, no need to reset, plug and play.

3.Manage Artnet on broadcast mode or unicast mode.

4 Set different network segments to avoid multiple sets Artnet data interference.

5.Compatible with the light software based on Artnet Protocol, control stage lighting and LED lighting simultaneously.

3. Product dimension

73mm
45mm
128mm

4. Interface instruction

Universe Dip Switch — **Universe**

Subnet Dip Switch — **Sub-Net**

Mode Switcher (Operation as follows)

1 2 ON↓ **Fun**

Artnet input
Power Input
Status lamp

Switching modes operation instruction：
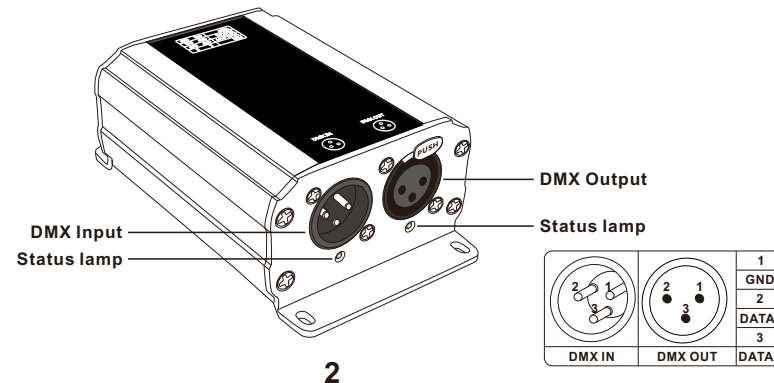
1 2	Diagrams	Functions
OFF OFF		Artnet to DMX512 mode
OFF ON		DMX512 to Artnet mode
ON OFF		Testing function, generate full color smooth float DMX date of 170 pixels.

Address setting instruction：

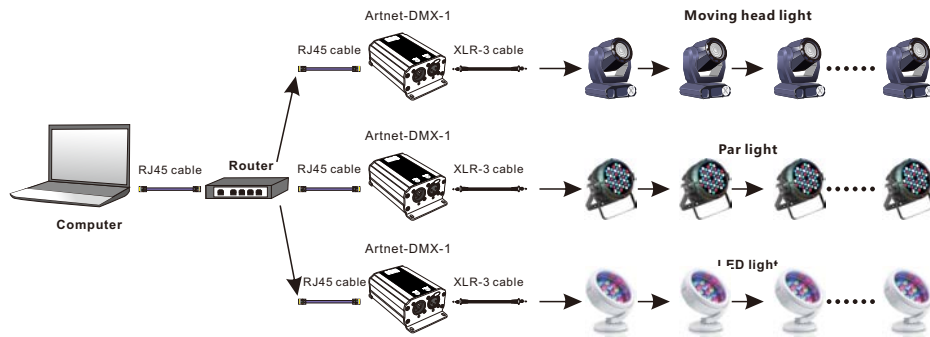| Universe/Sub-Net Dip Switch	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Value	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Calculating method: Group address= Subnet×16 + Universe, IP Address=2.0.36.Group Address, MAC Address=00-1B-14-20-24-Group Address

For example: Subnet: 2, Universe: B, Group Address=2×16 + 11 = 43, so the DMX output group address is 43;
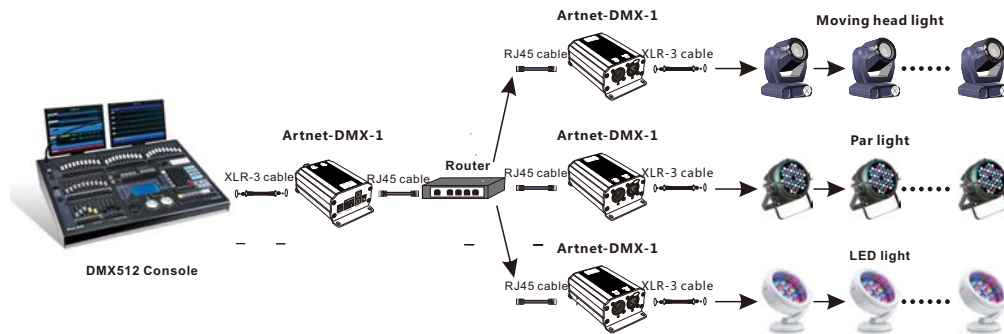Corresponding IP address is 2.0.36.43, MAC address is 00-1B-14-20-24-43.

DMX Output
Status lamp
DMX Input
Status lamp

DMX IN	DMX OUT	
		1 GND
		2 DATA-
		3 DATA+

5. Conjunction diagram

Artnet-DMX-1 Lighting Control System Diagram

Artnet-DMX-1   Moving head light

RJ45 cable   XLR-3 cable

Artnet-DMX-1   Par light

RJ45 cable   RJ45 cable   XLR-3 cable

Computer   Router

Artnet-DMX-1   LED light

RJ45 cable   XLR-3 cable

Artnet to DMX mode

Artnet-DMX-1   Moving head light

RJ45 cable   XLR-3 cable

Artnet-DMX-1   Artnet-DMX-1   Par light

XLR-3 cable   RJ45 cable   Router   RJ45 cable   XLR-3 cable

DMX512 Console

Artnet-DMX-1   LED light

RJ45 cable   XLR-3 cable

DMX to Artnet mode

6. Attention

1. The product shall be installed and serviced by a 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 any LED power supplies 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 to avoid the accidents due to overheat and poor contact on the wire.
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.

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