KUDUX®

STAGE TECHNOLOGY

ARTNET CONTROLLER

150



User manual

CE

! Please read the manual before installing and using this lighting

Keep it for future reference

Thank you for purchasing our device.
We make every effort to ensure the best quality of our products and to meet your expectations.

If you have any remarks or comments, please share them with us.

We will be grateful for any suggestions that will help us make products that are even better and devices that satisfy your needs.

R&D Team

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Statement

The product is good packing when ship out the factory. All users should strictly abide by the warnings and instructions stated in this manual, any damage and results due to misuse and the neglect of this operating manual will be excluded from the deal responsibility this manual will not informed in additionally if have technical changes.

Safety information

Safety warning:

This product is only suitable for professional use, and does not apply to security for other purposes.

After you got the lights, please check the package whether have any damage caused by transportation. If there is any damage, do not use this fixture, and please contact the dealer or manufacturer as soon as possible. This product is only suitable for indoor, IP20 protection class.

1. Summary：

Art-Net Controller is an Ethernet driver based on Artnet protocol. It can convert network packets in Artnet protocol into standard DMX512 data or SPI data controller. Single port output, up to 6000 pixels can be output. And can record on the line effect, can record up to 31 effects, can call play effect, speed, brightness and so on through DMX.

2. Application area:

It is widely used in LED lattice and stage lighting control network which needs a lot of DMX512 data.

3. Characteristic description：

Input: AC110—220V

Output: DC5V， DC12V， DC24V

Dimensional:

Length: 320m

Wide:62mm

High:50mm



Notice : All sizes are in mm, In the absence of a clear label, the tolerances are±0.15mm

Signal input:

100m Ethernet interface, can be used with both ARTNET signal and DMX signal (the initial interface displays ">" when there is a signal in ARTNET mode, and flashes if there is no signal. In SD card mode, the file name and playback speed currently played are displayed)

Signal output:



4 core Canon head interface:
Pin1:GND
Pin2:B
Pin3:A/DAT
Pin4:VCC

Can be cascade use, can be cascade up to 64 sets.

4. Product advantages：

1. Ethernet port can input ARTNET signal and DMX signal at the same time。
2. The recording effect can be used offline. Up to 31 effects can be recorded。
3. Playback effect, playback speed, brightness, R, G, B mask, stroboscopic and recording can be recorded
   through the 8 channel controllers of the DMX console。
4. DMX address can be set, one controller occupies 8 DMX channels
5. Can be set to control the IC model,
   CL05,DMX512,WS2811,UCS1903,GS8208,UCS9812
6. Single port output, three channels can be set output 170 Pixel, 340 Pixel, 510 Pixel, 680 Pixel.
   Four-channel maximum output 512Pixel
7. Can set one lamp one pixel point, two lights one pixel point, three lights one pixel point, four lights
   one pixel point.
8. The output channel can be set: RGB,RBG,GRB,GBR,BRG,BGR,RGBW.

5. Artnet Controller usage:

5.1. Display screen display after connecting power supply



- The first column shows the indication signal, the signal moves ">" when the signal is normal, and the NO Signal flashes when the signal is abnormal.

- If in SD mode, the file currently played and the speed at which it is played is displayed
- The second column Output DMX is shown as the control IC type.
- The third column shows 192 171.001.010 as the controller IP address
- The fourth column shows www.kudux.com as the company's Web site.

5.2. IP Address Setting mode：

Press the MODE button long to enter the settings page and select IP Address.



Press the MODE key to enter the IP modification interface, press the MODE key to select the IP bit to be set, the DOWM and UP keys to increase or decrease the value, and then press the SET key to save and return.



5.3. Universe Setting mode：

Press DOWM or UP to select Universe, click the MODE button to enter the page



Press DOWM or UP to select the desired Universe range and click the SET button to exit



5.4. DMX Addr Setting mode：

Press DOWM or UP to select DMX Addr, click the MODE button to enter the page



Press DOWM or UP to select the desired range DMX Addr, click the SET button to exit



5.5. Play Set Setting mode：

Click the MODE button to enter the page, press DOWM or UP to select Play Set





5.6. IC Select Setting mode：



Click the MODE button to enter the page, press DOWM or UP to select IC Select
Can be set to select IC：CL05，DMX，WS2811，UCS1903，GS8208,，UCS9812.



5.7. Pixel Setting mode：

Click the MODE button to enter the page, press DOWM or UP to select Pixel.





The number of pixels output by the controller can be set：170Pixel，340Pixel, 510Pixel，680Pixel

5.8. LED/Pixel Setting mode：

Click the MODE button to enter the page and press the DOWM or UP key to select the LED/ Pixel



Can set one lamp one pixel point, two lights one pixel point, three lights one pixel point, four lights one pixel point.

5.9. Channels Setting mode：

Click the MODE button to enter the page, press DOWM or UP to select Channels.





The output channel order can be set：RGB，RBG，GRB，GBR，BRG，BGR，RGBW

5.10. SD Record Setting mode：

Click the MODE button to enter the page, press DOWM or UP to select SD Record.



For manual recording, press MODE to enter, select the current file to be recorded through DOWM or UP, press MODE to enter into the recording interface, select Record, click MODE, and then click MODE again to exit recording, and the original effect in the current file will be overwritten.
Play: looks at the effect of the current recording.





When the setting is complete, press the button to exit the setting area and return to the main menu.

6. Madrix software configuration.

Computer operation Usage steps (the controller is used in ARTNET mode):



After the controller is connected to the computer, set the IP and subnet mask of the computer, and notice that the IP address of the PC side is in the same network segment as the IP address of the controller (for example, if the controller IP is 192.168.1.10, the IP of the PC side should be set to 192.168.1.X, when X is 0 ≤ 255and not 10). The IP address of the controller can also be set by the controller to adapt to the network segment on the PC side. The PC subnet mask is fixed to 255.255.255.0.

Open the MADRIX software, click Devices Manager in preferences to select the Art-Net option, and click the icon Search for the device, as shown in the figure to search for a controller called CLEN-Artnet.







Select the DMX device option, select all output ports, select enable and apply.

7. Contact:

Please check who is our dealer in your country at our website

www.kudux.com

or write direct to us by email: office@kudux.com