

Product Specification

CL-104PS controller



深圳市晨亮光电科技有限公司
Shenzhen Clen Optoelectronics Co., Ltd



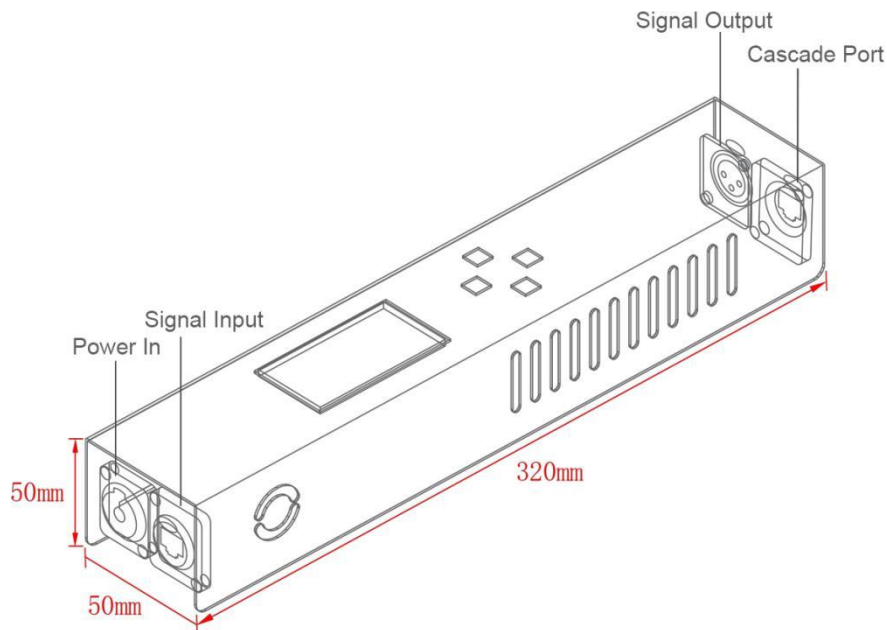


Product name: LED one port controller

Product mode: CL-104PS

Overview: Based on the ARTNET protocol LED lighting controller, the controller can convert the received ARTNET protocol into standard DMX512 data or SPI data output. This controller has two working modes, ARTNET and SD card, which can be controlled online in real time or used offline. This product can be widely applied to the stage lighting control system of ARTNTE and DMX512 data, and is suitable for lighting control of various stage performances, bar lighting and other lamps. It is more convenient to use with our pixel tube.

Product picture:





Product features:

- Input voltage: AC110—220V Output voltage: DC5V, DC12V, DC24V optional
- Single port output, can output up to 680 pixels;
- Two working modes, ARTNET mode and SD card mode;
- Support effect recording, 31 effects can be recorded, offline use;
- The light strip does not need an external power supply, it can be directly connected to the controller;
- Lightweight and compact, easy to carry;
- The connection is simple, just connect the port network cable;

Parameter	Unit	Min	Typical	Max
Working voltage(AC)	V	110	—	220
Output voltage (V)	V	5	24	24
Output power (p)	W	—	—	200
cascaded units	PCS	—	—	64
Support IC type	—	—	WS2811/SK6812/UCS1903/UCS8903/UC S9812/ DMX512	—
Supporting software	—	—	MAD-SHOW (MADRIX/RESOLUME/MAD-MAPPER)	—
Control mode	—	—	ART-NET/DMX	—
Working mode	—	—	ARTNET/SD card	—
Controller IP address	—	—	2.0.0.X	—
Subnet mask	—	—	255.0.0.0	—
Computer IP address	—	—	2.0.0.2	—
Port loading points	PIX	—	1*680	—
Port universe	PCS	1	—	4
Product color	—	—	Black	—
Product size(L*W*H)	MM	—	320*62*50	—
Product weight	KG	—	1.2	—

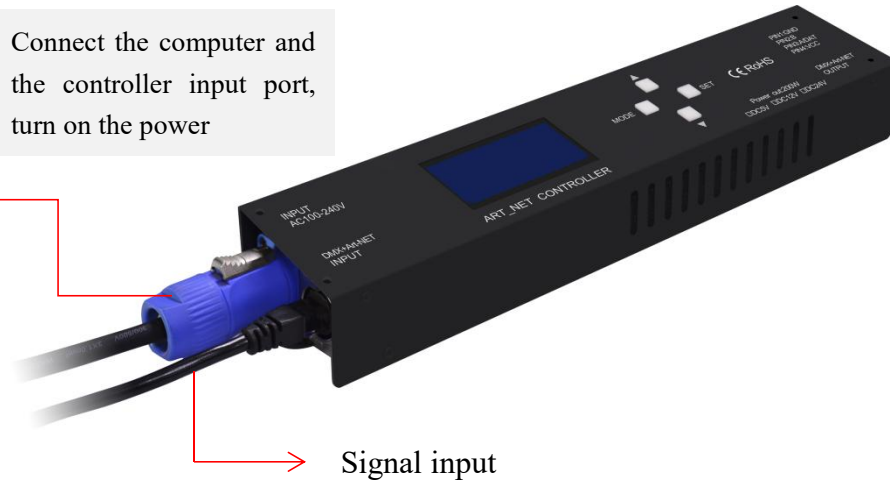


◆ Connection

① connect controller input port

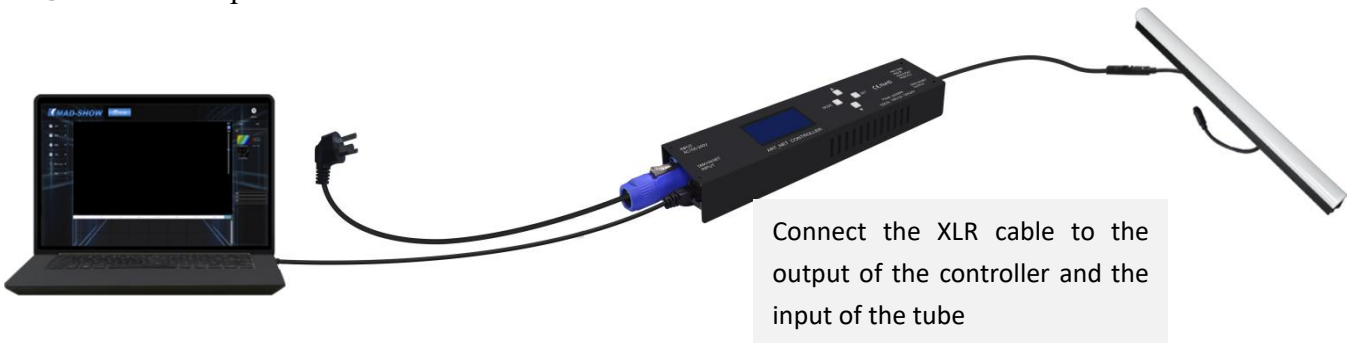
Connect the computer and the controller input port, turn on the power

Power in



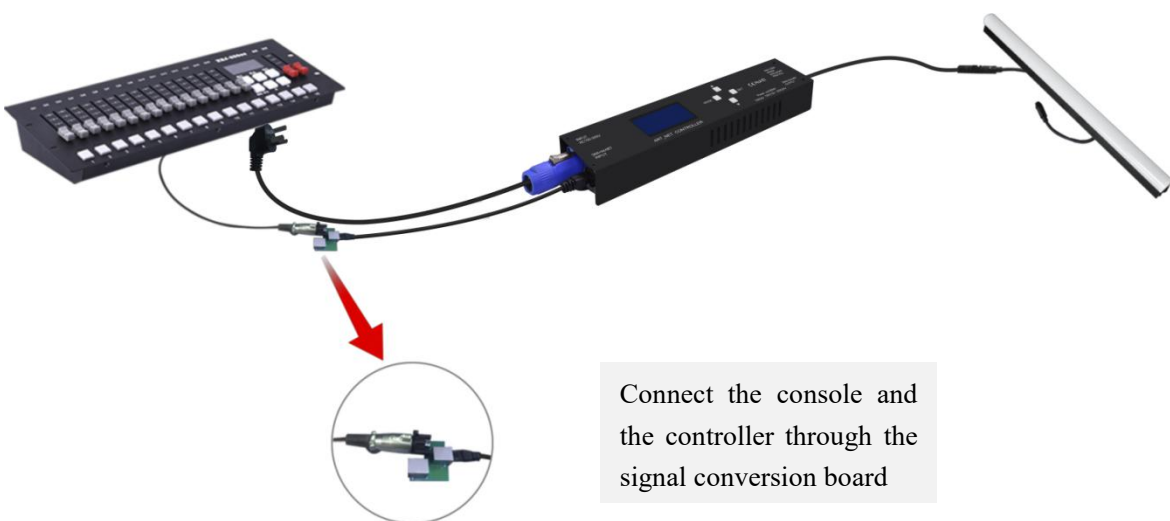
Signal input

② Connect lamps



Connect the XLR cable to the output of the controller and the input of the tube

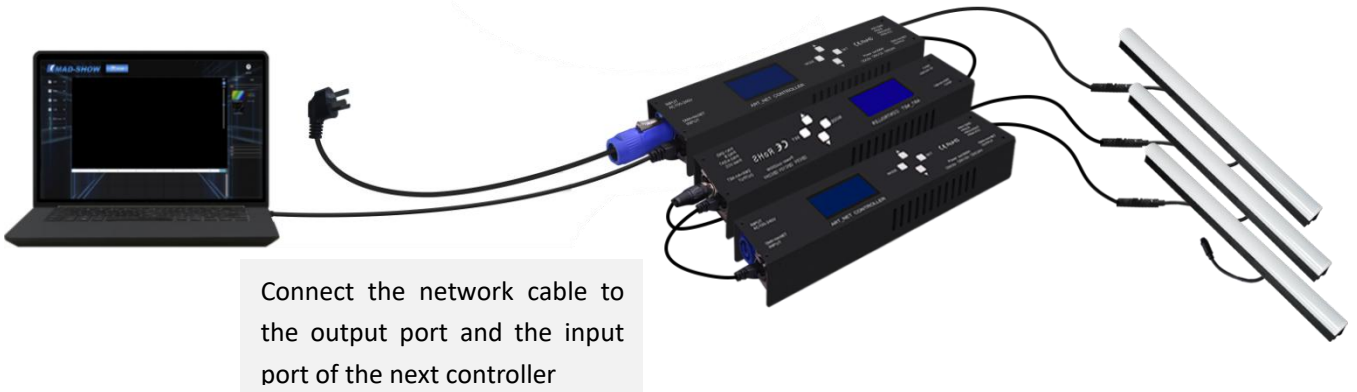
③ Console connect controller



Connect the console and the controller through the signal conversion board

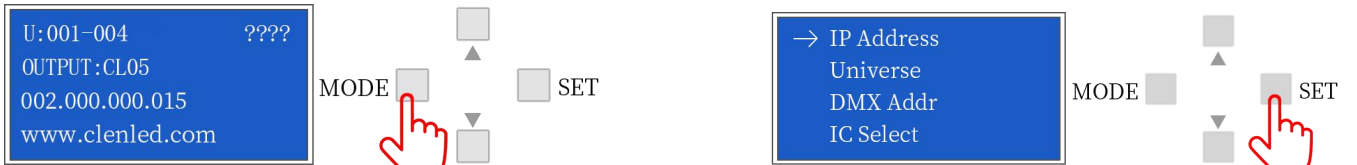


◆ **Multiple units can be used in cascade**



◆ **Control mode**

ARTNET mode: ①After the controller is powered on, it enters the "ART-NET" mode by default, press and hold "MENU" for 3 seconds to enter the parameter setting, and set the IP address matching the computer, the IC matching the lamp, the channel and other parameters;



②Click "SET" to modify the parameters, click "SET" again to save, and long press "MENU" to return to the initial interface. The controller port output is an independent port output, and the port can carry a maximum of 680 pixels (IC UCS8903 has a maximum of 340 pixels).

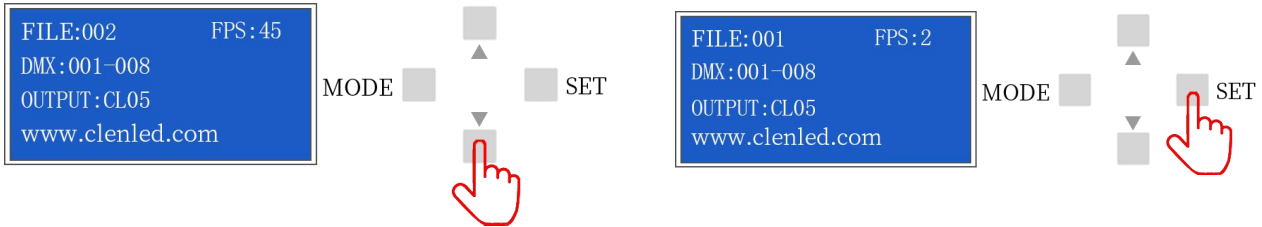


SD card mode: ①After the controller is powered on, it enters the "ART-NET" mode by default, and simultaneously presses "UP" and "DOWN" for 3 seconds to enter the SD card mode;





②Click "UP" or "DOWN" to switch the built-in effects; click "MENU" or "SET" to switch the effect speed; total 31 built-in effects can be selected; long press "UP" and "DOWN" for 3 seconds to exit the SD card model.



◆ DMX Channel Table Description

Channel	Name	Figure	Instructions
1	Mode selection	000-247	Call internal 31 effects (one effect for every 8 addresses, and 0-7 for SD card effect 1)
		248-255	Switch to ART_NET mode
2	Speed	000-255	0 is the slowest speed, 255 is the fastest speed, SD card mode is valid
3	Brightness	000-255	0 is the brightness off, 255 is the brightest, SD card mode is valid
4	R- mask	000-255	Subtract red from the effect. 000 is the original effect, and 255 means subtract all red from the effect
5	G-mask	000-255	Subtract green from the effect. 000 is the original effect, and 255 is subtracting all green from the effect
6	B-mask	000-255	Subtract the blue in the effect. 000 is the original effect. 255 means subtract all the blue in the effect
7	invalid	000-007	
	Normally on	008-015	Constant bright white, color selection by mask (brightness, mask channel available)
	stroboscopic	016-255	The higher the value, the faster the strobe (speed, brightness, mask channel is effective)
8	invalid	000-200	
	Record	201-255	When the value of channel 4.5.6 is 255, the recording is valid and the ART_NET effect is recorded to the file specified by channel 1



◆ Application

1. Stage performance;
2. The site of the product/press conference;
3. Concert lighting control;
4. Bar and KTV lighting control



Attention

1. Pay attention to the use environment and be waterproof and moisture-proof;
2. There is high voltage inside, non-professionals should not disassemble the machine, otherwise the consequences will be at your own risk;
3. The company does not guarantee man-made damage and natural damage;
4. If any abnormality is found during use, please contact us;