

X Dance Floor Controller



Technical parameter

Product specifications: L375×W332×H219 (mm)

Input voltage: AC 110-240V [wide voltage power supply]

Input signal: PC or SD

Output signal: TTL×8 road or DMX512×8 road

Output power: 750W-2250W

Output voltage: DC24V

Weight: 9.5 KG

Working temperature: 0°C ~ 60°C

Relative humidity: ≤50%RH

Protection level: IP0 (not dustproof, not waterproof)

Use environment: Please install in a dry indoor ventilated environment, avoid dust, humidity and rain.

Supporting accessories: SD card X1, power cord X1, 5 m signal line X8, 5 m 568B network cable X1, 1 m DMX signal line X1.

ERROR CODES

- X03 ERROR CODE = SD KAART ZIT NIET GOED IN DE CONTROLLER -> CONTROLLER UITZETTEN EN SD KAART OPNIEUW EN JUIST INSTEKEN, VERVOLGENS DE CONTROLLER WEER AANZETTEN.

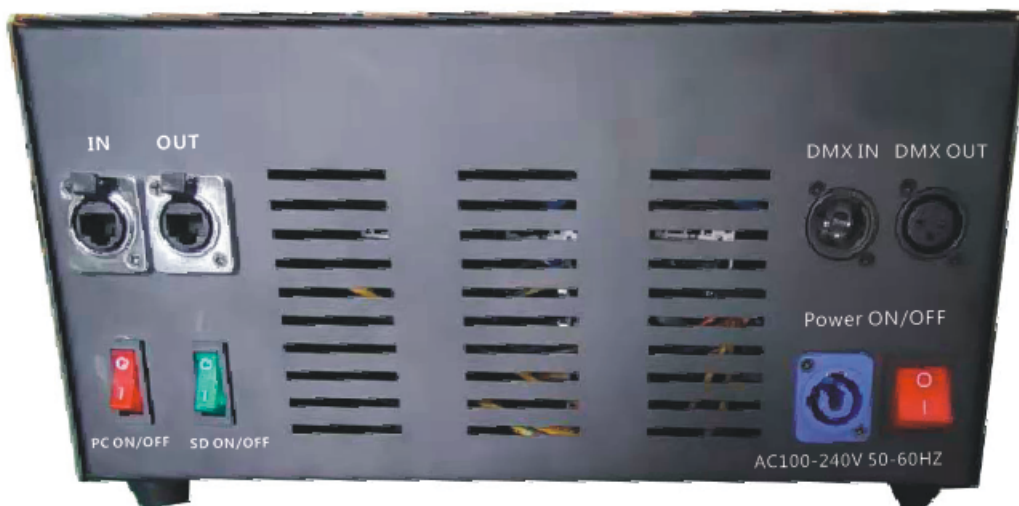


Functional Overview

1. Output TTL signal or DMX512 signal to control various conventional chips.
2. Optional operation SD card control mode or PC control mode.
3. 32-65536 gray level control, which can truly restore the color and details of the image.
4. 512-level independent brightness control of three primary colors makes it easier and more effective to accurately adjust the white balance.
5. Comes with professional effect production software, users can make any effect by themselves and put it into SD card for use.
6. Eight channels of independent signal output, each channel can control up to 1024 points, suitable for large-scale projects or long-distance transmission, and can be used in cascade combination.
7. Adjustable effect, adjustable speed, adjustable volume sensitivity (optional).
8. Optional voice control, voice control, remote control, DMX decoding function.
9. Six-level brightness adjustment function, the brightness can be controlled at will.
10. Individualized channel settings make the operation simpler and more convenient.

Wiring

一、 Description of the all-in-one input terminal:



1. POWER IN: The input voltage of the integrated machine is AC110-240V, 50-60HZ;



2. ON/OFF: the main switch of the integrated machine;
3. IN or OUT: All-in-one cascade port, the OUT port of the first all-in-one is connected to the IN port of the second all-in-one with a 568B network cable, and so on...
4. DMX IN or DMX OUT: DMX512 console signal control input port.
5. PC ON/OFF: The all-in-one machine selects the PC signal input to control the switch of the lamp, ON means that the PC control mode is turned on, and OFF means that the PC control mode is turned off.
6. SD ON/OFF: The all-in-one machine selects SD signal input to control the switch of the lamp, ON means that the SD control mode is turned on, and OFF means that the SD control mode is turned off. Note that before turning on the SD control mode switch button, first turn off the main switch of the all-in-one machine, and then insert an SD card with lamp control effect, otherwise it is easy to burn the SD card or the control board.



二、Description of the output terminal of the all-in-one machine:

When 1, selects SD control lamps, the all-in-one SD card must be inserted before the machine is powered on, otherwise the SD card or the main board will burn out and the lamp cannot be controlled;

2, splices lamps according to the lamp wiring diagram, and the number of output port OUT1-OUT8 load LED lamps is determined by the effect of SD card;

The order of 3, output port access to the lamps in accordance with the order of the lamp wiring diagram, can not be confused, otherwise the overall effect of the lamps will be chaotic;

The 4, lamps shall not be energized during lamp splicing.



How the SD card operates

Splice the lamps according to the wiring splicing drawing, and pay attention to the lamp direction.

The input line of the lamp is connected to the output port of the all-in-one machine, noting the port order!

Button	Button description	Function description
MENU	Menu key	Pattern/ sound/ audio mode selection: long press 2 seconds to enter menu setting mode
SPEED/ENTER	Speed key	Normal mode: 1-18 class Exchange mode: 1-9 class
	Enter key	On menu mode, press [enter] to save the current setting, lights will change the effect immediately.
MODE	Mode-key	Mode decrease exchange
MODE	Mode+key	Mode increase exchange



Menu Status		LED display	Operation Instruction
Enter into menu setting			Long press [MENU] 2 seconds, into menu setting mode
Menu setting	Master-slave	Master Slave	1) press [▷] [◁] select master-slave, press [ENTER] in; 2) press [▷] [◁] select; 3) press [ENTER] save settings; 4) press [MENU] out
	DMX address	DMX address**	1) press [▷] [◁] select DMX address, press [ENTER] in; 2) press [▷] [◁] select; 3) press [ENTER] save settings; 4) press [MENU] out
	Time, date	week date time	1) press [▷] [◁] select time and date, press [ENTER] in; 2) press [▷] [◁] select; 3) press [ENTER] save setting; 4) press [MENU] out



	Language	Chinese English	1) press 【▷】 【◁】 select language, press 【ENTER】 in; 2) press 【▷】 【◁】 select; 3) press 【ENTER】 save setting; 4) press 【MENU】 out
	Brightness setting	Brightness **	1) press 【▷】 【◁】 select brightness setting, press 【ENTER】 in; 2) press 【▷】 【◁】 select; 3) press 【ENTER】 save setting; 4) press 【MENU】 out
	Sensitivity setting	Sensitivity **	1) press 【▷】 【◁】 select sensitivity, press 【ENTER】 in; 2) press 【▷】 【◁】 select; 3) press 【ENTER】 save setting; 4) press 【MENU】 out
exit menu setting			Long press 【MENU】 2 second, exit menu setting mode, back to control mode

Pattern adjustment

Manual press button panel “MENU” button, select pattern/voice control/audio control.

mode	sign	auto mode	Manual mode (default)	note
pattern	—	auto	01-96	sound control and audio control common mode The user can set the number of audio and sound control mode by software
sound control		auto	01-19	
audio control		auto	01-19	





图案模式

Pattern mode



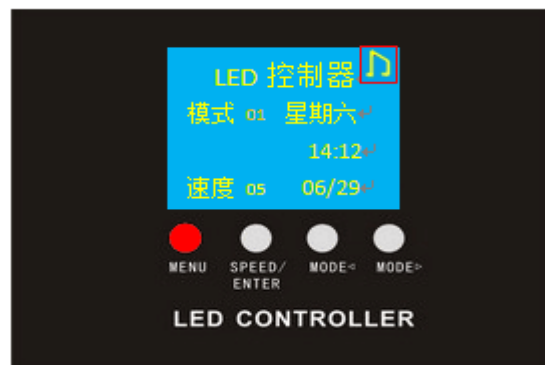
按【MENU】1次，声控模式（声控功能）

press (menu)1 time,sound control mode(sound function)



声控模式

Sound mode



按【MENU】1次，音控模式（音控功能）

press (menu)1 time,audio control mode(sound function)



音控模式



图案模式（图案功能）

Speed adjustment

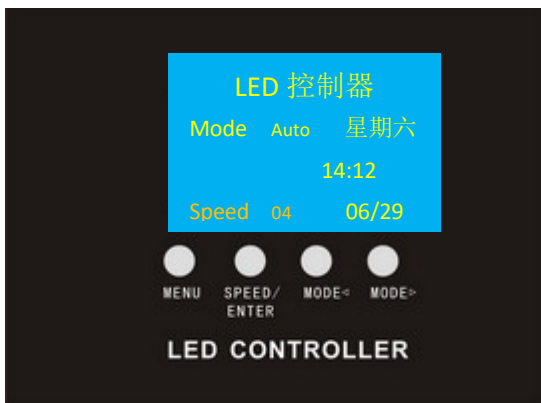
According to the controller panel "SPEED" button to adjust the speed of play, the smaller the value, the faster the speed.



specification	speed																		note
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
main control speed	01 AC	02 AC	03 AC	04AC	05 AC	06 AC	07 AC	08 AC	09 AC										Independent speed
number of frames (ms)	30	40	50	60	70	80	90	100	110	120	150	180	210	250	290	500	1000	2000	synchronization speed
number of frames per second	33	25	20	17	14	13	11	10	9	8	7	6	5	4	3	2	1	0.5	

Independent speed: the speed is based customer load guardrail tube in meters, less than the actual speed is not displayed.

Synchronous speed: all the controllers are set to the same speed and the same pattern, at the same time with electricity, can be synchronized. After manually modified, need to back to electricity at the same time.



Speed =04



Press 【SPEED】 10times, Speed =14



Speed =04 AC



Press 【SPEED】 one time, Speed =05 AC

Remote control function

Built-in remote control module, send wireless signals, remote control distance up to 10 ~ 15 meters. The speed and mode can be changed remotely with the remote control.

Each remote controller has a one-to-one correspondence with the controller. If the remote control does not correspond to the remote control module number in the controller, the remote control cannot be used.



Remote button function:

Button	Description
No.0-9	Mode button Quickly tap and tap to jump to the corresponding mode; Note: 0 is black.
Mode-	In the current mode, tap to decrement; press to quickly switch.
Mode+	In the current mode, tap to increment; press to quickly switch.
Speed	Speed file, tapping, the speed value becomes larger, and the speed becomes slower.
Menu	Switch and select "pattern" "sound control"
Auto	Click, the current "single loop" becomes the "multiple loop" state.



DMX512 decoding function

Customers can through the DMX512 controller adjust sensitivity effect and the speed and volume. Controller can be set by the same or different address, make DMX512 control computer at the same time, many sets of the same or different control effects of the controller, the actual effect is determined by the controller of the SD card and mode choice.

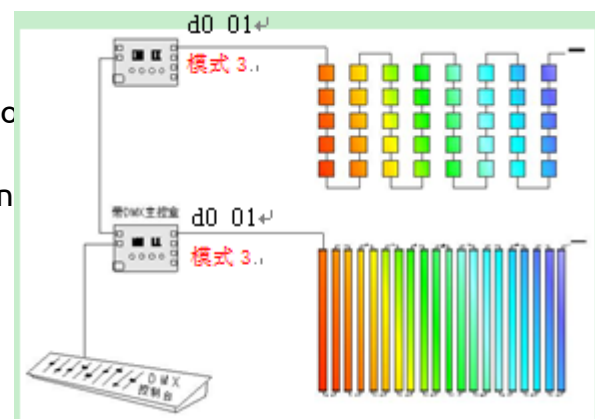
Interface specifications:

P1=GND; P2=D-/B; P3=D+/A

Male mouth for a receiving end, accept DMX512 control computer and/or a DMX device on the output DMX512 signal, mother mouth is connected side, connect a DMX512 controller or DMX device.

The controller address setting

- 1) Long press "MENU" for 2 second, enter the menu mode
- Press to choose DMX address, press "ENTER" to enter
- 2) Press to choose;
- 3) Press to choose;
- 4) Press "ENTER" to save setting;
- 5) Press "MENU" to exit.



※If DMX512 decoder controller more than 100 meters distance, please add the repeater.

Definition of push rod of DMX console



Channel	Name	Volumn	Function	
1	Sensitivity	0-42	Bluntness MAX	
		43-85	2	
		86-128	3	
		129-171	4	
		172-214	5	
		215-255	Sensitivity MAX	
2	Brightness	0-42	100%	
		43-85	50%	
		86-128	25%	
		129-171	12.5%	
		172-214	6.25%	
		215-255	3.125%	
3	Pattern/ sound/audio	0-85	Pattern	
		86-170	Sound	
		171-255	Audio	
4	Speed	0-13	1	1 AC
		14-27	2	
		28-41	3	2 AC
		42-55	4	
		56-69	5	3 AC
		70-83	6	
		84-97	7	4 AC
		98-111	8	
		112-125	9	5 AC
		126-139	10	
		140-153	11	6 AC
		154-167	12	
		168-181	13	7 AC
		182-195	14	
		196-209	15	8 AC
		210-223	16	
		224-237	17	9 AC
		238-255	18	
5	synch state	0-127	DC synch	
		129-255	AC synch	
6	Black screen	0-128	Black screen	
		129-255	General (display effect)	
7	Auto Mode	0-126	No	
		129-255	Auto Mode	
8	Mode 1-19	0-12	No	
		13-24	Mode 1	



		25-36	Mode 2
		37-48	Mode 3
		49-60	Mode 4
		61-72	Mode 5
		73-84	Mode 6
		85-96	Mode 7
		97-108	Mode 8
		109-120	Mode 9
		121-132	Mode 10
		133-144	Mode 11
		145-156	Mode 12
		157-168	Mode 13
		169-180	Mode 14
		181-192	Mode 15
		193-204	Mode 16
		205-216	Mode 17
		217-228	Mode 18
		229-255	Mode 19
9	Mode 20-39	0-12	No
		13-24	Mode 20
		25-36	Mode 21
		37-48	Mode 22
		49-60	Mode 23
		61-72	Mode 24
		73-84	Mode 25
		85-96	Mode 26
		97-108	Mode 27
		109-120	Mode 28
		121-132	Mode 29
		133-144	Mode 30
		145-156	Mode 31
		157-168	Mode 32
		169-180	Mode 33
		181-192	Mode 34
		193-204	Mode 35
		205-216	Mode 36
		217-228	Mode 37
		229-240	Mode 38
		241-255	Mode 39
10	Mode 40-59	0-12	No
		13-24	Mode 40
		25-36	Mode 41
		37-48	Mode 42



		49-60	Mode 43
		61-72	Mode 44
		73-84	Mode 45
		85-96	Mode 46
		97-108	Mode 47
		109-120	Mode 48
		121-132	Mode 49
		133-144	Mode 50
		145-156	Mode 51
		157-168	Mode 52
		169-180	Mode 53
		181-192	Mode 54
		193-204	Mode 55
		205-216	Mode 56
		217-228	Mode 57
		229-240	Mode 58
		241-255	Mode 59
11	Mode 60-79	0-12	No
		13-24	Mode 60
		25-36	Mode 61
		37-48	Mode 62
		49-60	Mode 63
		61-72	Mode 64
		73-84	Mode 65
		85-96	Mode 66
		97-108	Mode 67
		109-120	Mode 68
		121-132	Mode 69
		133-144	Mode 70
		145-156	Mode 71
		157-168	Mode 72
		169-180	Mode 73
		181-192	Mode 74
		193-204	Mode 75
		205-216	Mode 76
		217-228	Mode 77
		229-240	Mode 78
		241-255	Mode 79
12	Mode 80-96	0-14	No
		15-28	Mode 80
		29-42	Mode 81
		43-56	Mode 82
		57-70	Mode 83



		71-84	Mode 84
		85-98	Mode 85
		99-112	Mode 86
		113-126	Mode 87
		127-140	Mode 88
		141-154	Mode 89
		155-168	Mode 90
		169-182	Mode 91
		183-196	Mode 92
		197-110	Mode 93
		111-124	Mode 94
		125-138	Mode 95
		139-255	Mode 96

DMX channel function in detail

Sensitivity: a total of 6 levels, routine table 1 is the most slowest, 6 is the most acute sensitivity

(increasing).

Bright degree: a total of 6 levels, routine control table is 100%, in turn, brightness decline of 50%, 25%, 12.5%, 6.25%, 3% (brightness decreasing).

Figure/sound/voice: a total of 3 ways. Control table for conventional figure Mode, followed by sound Mode and voice Mode. The menu function set in function.



Speed: a total of 18 or 9 levels, namely “Speed regulating” function.

Step with: a total of 2 kinds state, that is, choose a non-synchronous Speed (18 gear) or synchronous Speed (9).

Black Screen: a total of 2 kinds state, routine control table for black screen; Push half position for the conventional control, Auto select control table first non-zero gear Mode (from black screen into regular, the effect is to start running, not from midway begin to recover operation) .

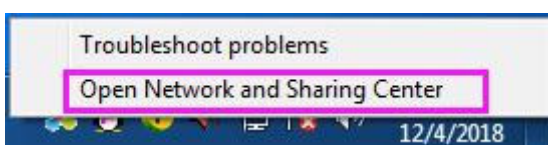
Auto Mod: a total of 3 ways, the routine control table is invalid, driving control table half position according to the [channel 3], and run the corresponding Auto Mode (figure Auto, sound Auto, voice Auto).

Mode 1-96: preference on channel running(such as channel 8 and 9 are the certain Mod, but the controller to display only the front channel effect, namely channel 8 corresponding Mode).

PC operation mode

1, computer settings

1.1 Right-click on the network logo in the bottom right corner of the desktop, Set the computer IP address according to the picture.



View your active networks

Connect or disconnect



Network
Work network

Access type: Internet

Connections: Local Area Connection 2

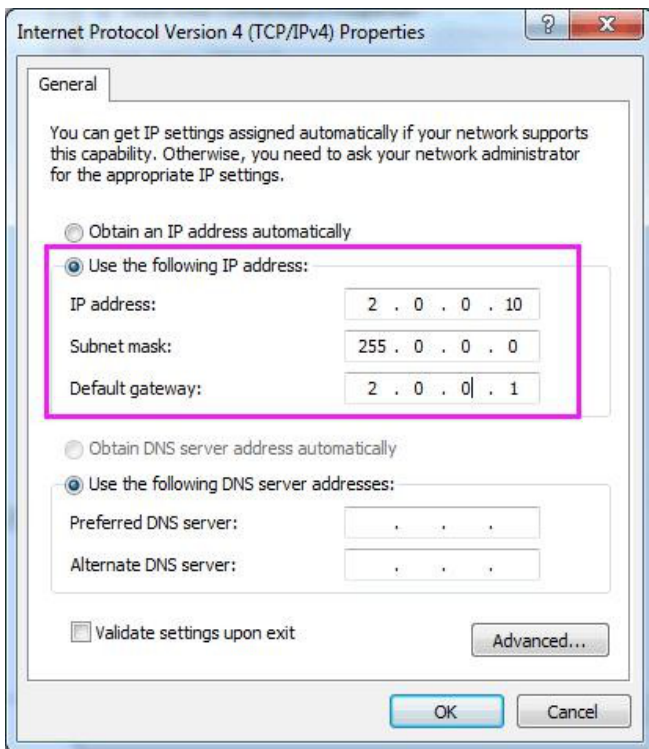
The image shows two overlapping Windows dialog boxes. The left dialog, titled "Local Area Connection 2 Status", displays connection details: IPv4 Connectivity is "Internet", IPv6 Connectivity is "No Internet access", Media State is "Enabled", Duration is "01:59:17", and Speed is "100.0 Mbps". It also shows activity statistics: Sent 1,862,458 bytes and Received 8,864,283 bytes. The "Properties" button is highlighted with a pink box. The right dialog, titled "Local Area Connection 2 Properties", shows the "Networking" tab with a list of installed protocols. "Internet Protocol Version 4 (TCP/IPv4)" is highlighted with a pink box. Other protocols include Client for Microsoft Networks, QoS Packet Scheduler, File and Printer Sharing for Microsoft Networks, Internet Protocol Version 6 (TCP/IPv6), Link-Layer Topology Discovery Mapper I/O Driver, and Link-Layer Topology Discovery Responder. Buttons for "Install...", "Uninstall", and "Properties" are visible below the list.

Property	Value
IPv4 Connectivity:	Internet
IPv6 Connectivity:	No Internet access
Media State:	Enabled
Duration:	01:59:17
Speed:	100.0 Mbps

Direction	Bytes
Sent	1,862,458
Received	8,864,283

- Client for Microsoft Networks
- QoS Packet Scheduler
- File and Printer Sharing for Microsoft Networks
- Internet Protocol Version 6 (TCP/IPv6)
- Internet Protocol Version 4 (TCP/IPv4)
- Link-Layer Topology Discovery Mapper I/O Driver
- Link-Layer Topology Discovery Responder





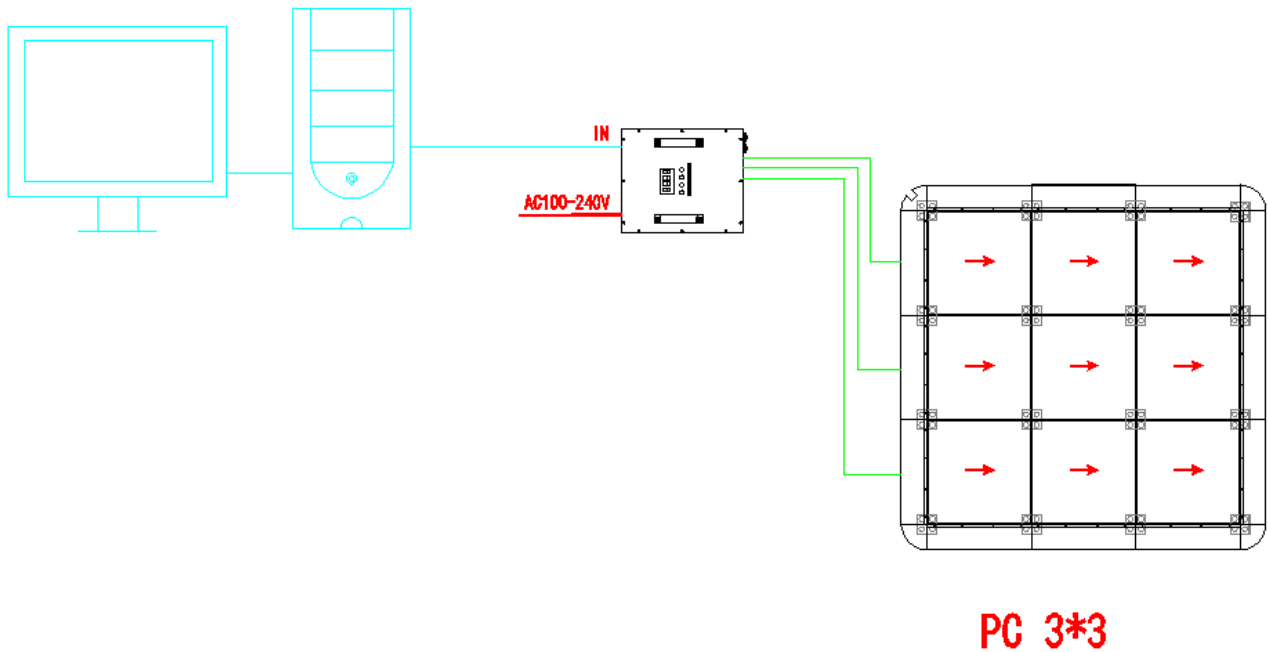
Use the following IP address:

IP address:	2 . 0 . 0 . 10
Subnet mask:	255 . 0 . 0 . 0
Default gateway:	2 . 0 . 0 . 1

2. connection hardware

2.1 Connect the network port of the computer at one end and the all-in-one IN port at the other end.





1, Splice the lamps according to the wiring splicing drawing and pay attention to the lamp direction.

The input line of the 2, lamp is connected to the output port of the all-in-one machine, noting the port order!

3, hardware settings

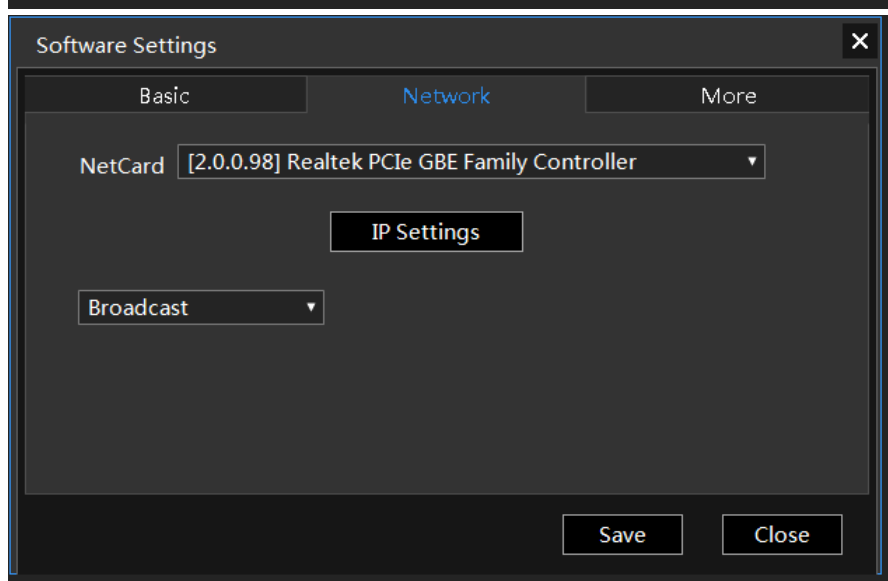
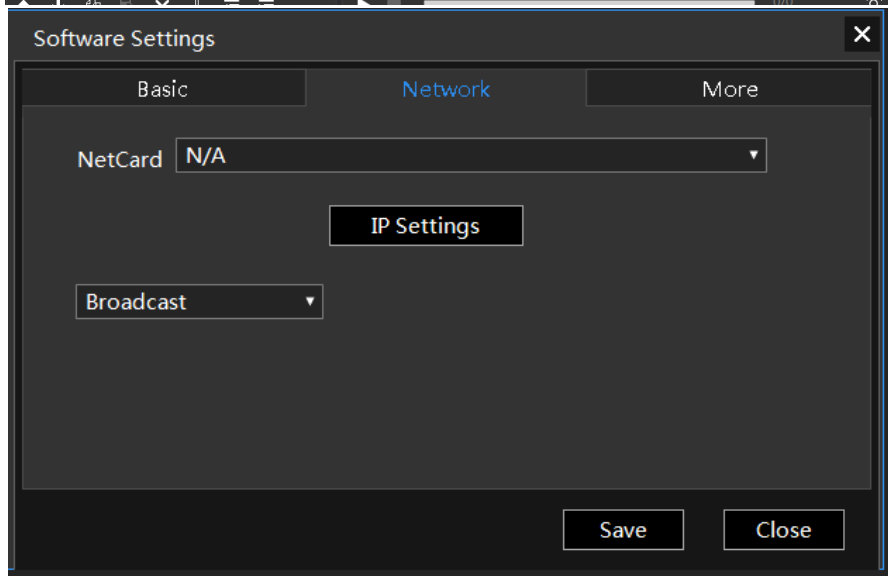
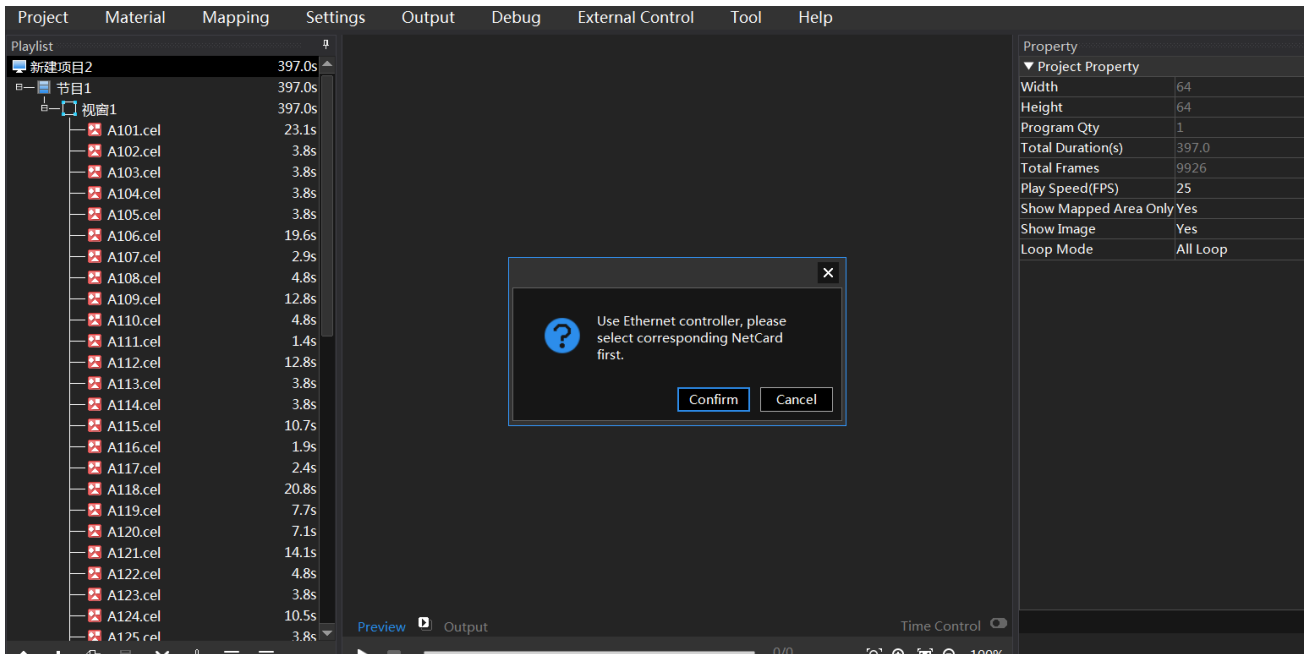
3.1 Play settings

LED Player 辉科2U软件说明书3.0.2.docm	2021/6/21 9:21	Microsoft Office...	2,037 KB
LED Player 辉科2U软件说明书半英文3.0...	2021/6/21 9:21	Microsoft Office...	2,401 KB
LEDPlayer_HK2U_20200305.exe	2020/3/4 18:01	应用程序	7,804 KB
RGBPlayer MANUAL V8.4 (Version 20...	2017/11/29 9:21	DOCX 文档	1,576 KB

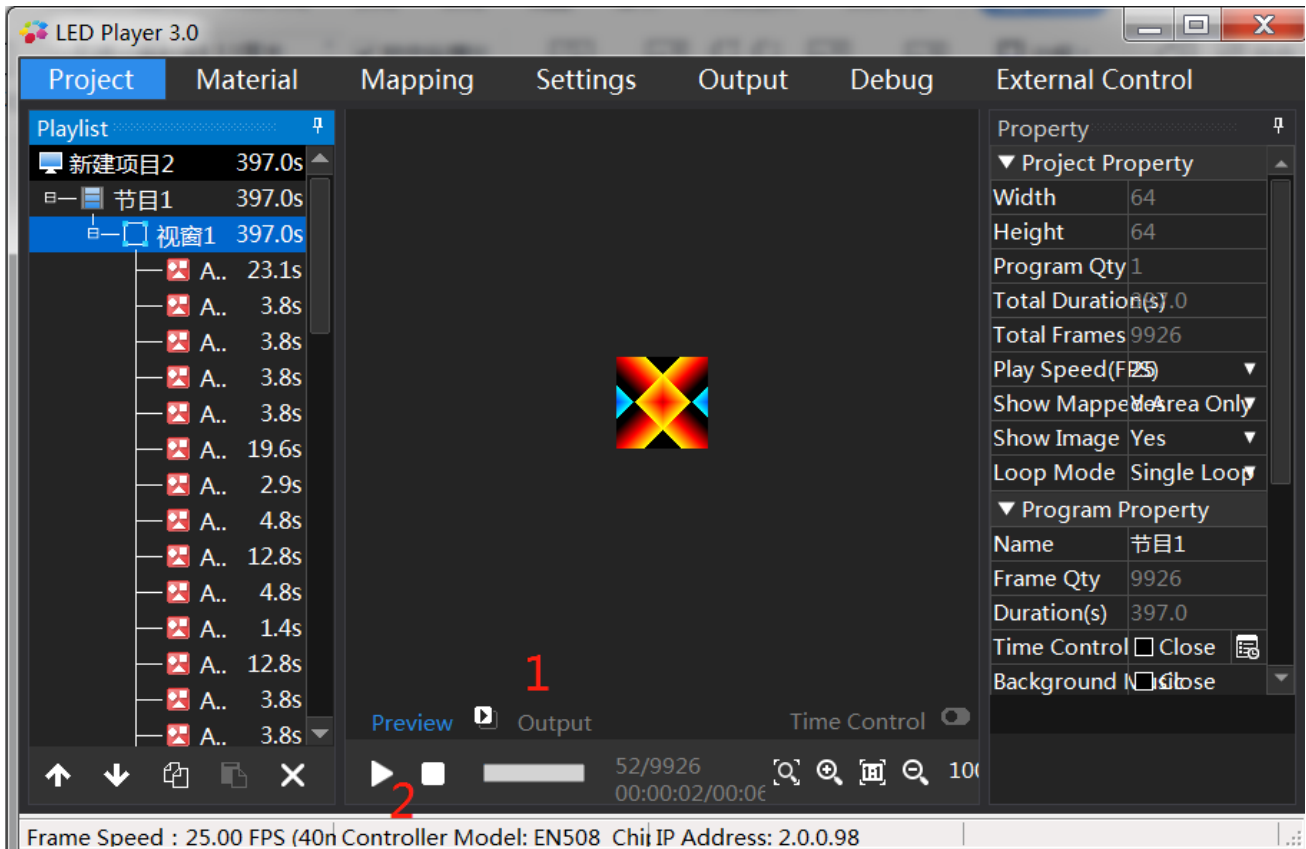
1. Copy the files in the CD-ROM shipped with the all-in-one machine to the computer, and then open the LEDPlayer of the file to open the interface.

2, Click CONFIRM, to select the network address, select the 2.0.0.98 network card address, and then click Save it.



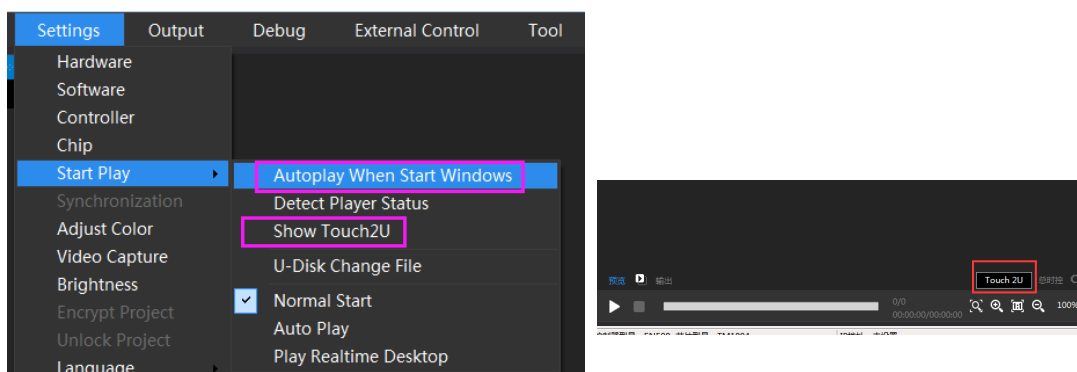


3, enters the playback interface, clicks the output button, and then plays the effect.



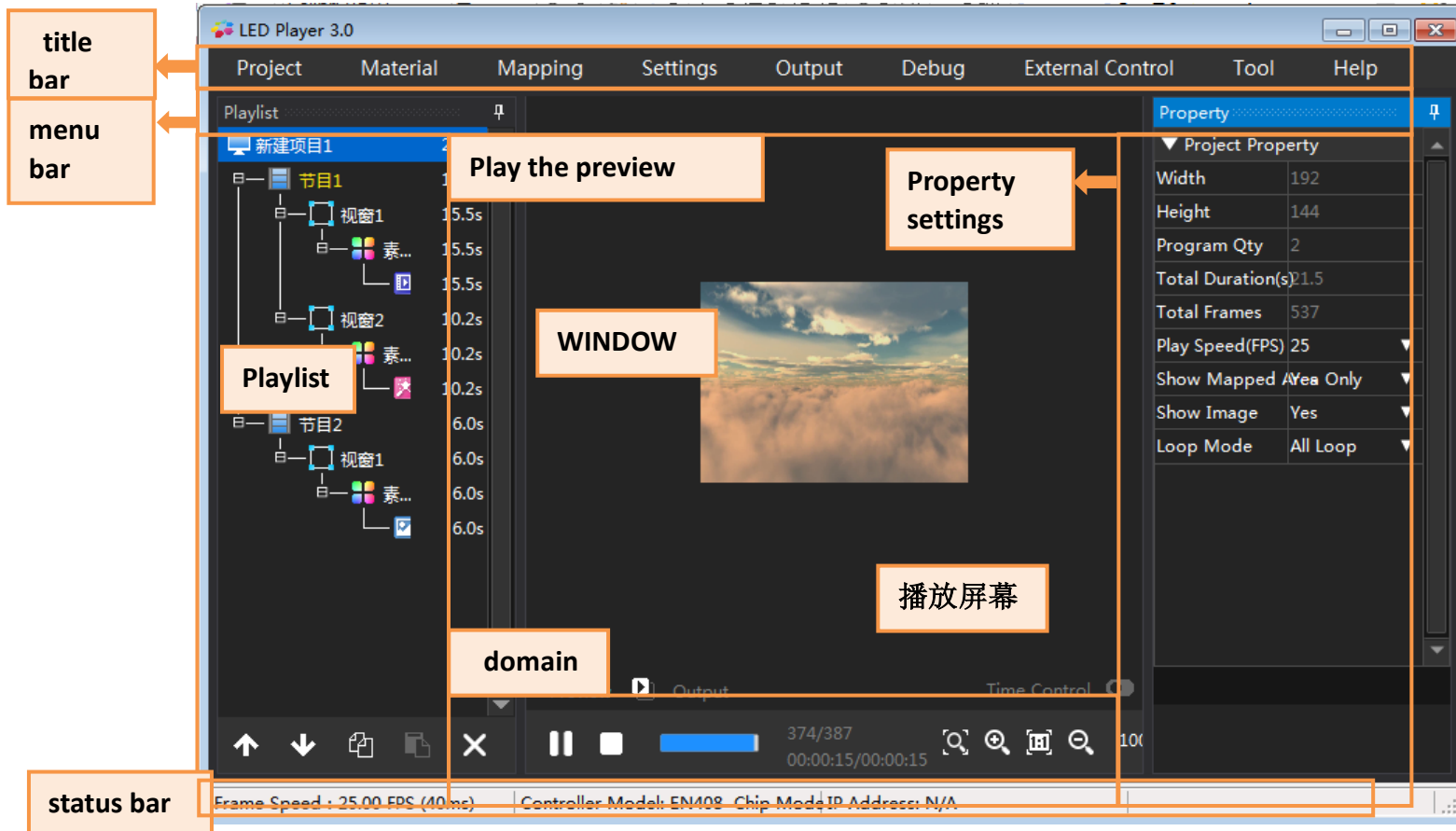
3.2 Start in use

Function: Select a different mode to start running the LED Player.



3.3 Introduction of the main working interface

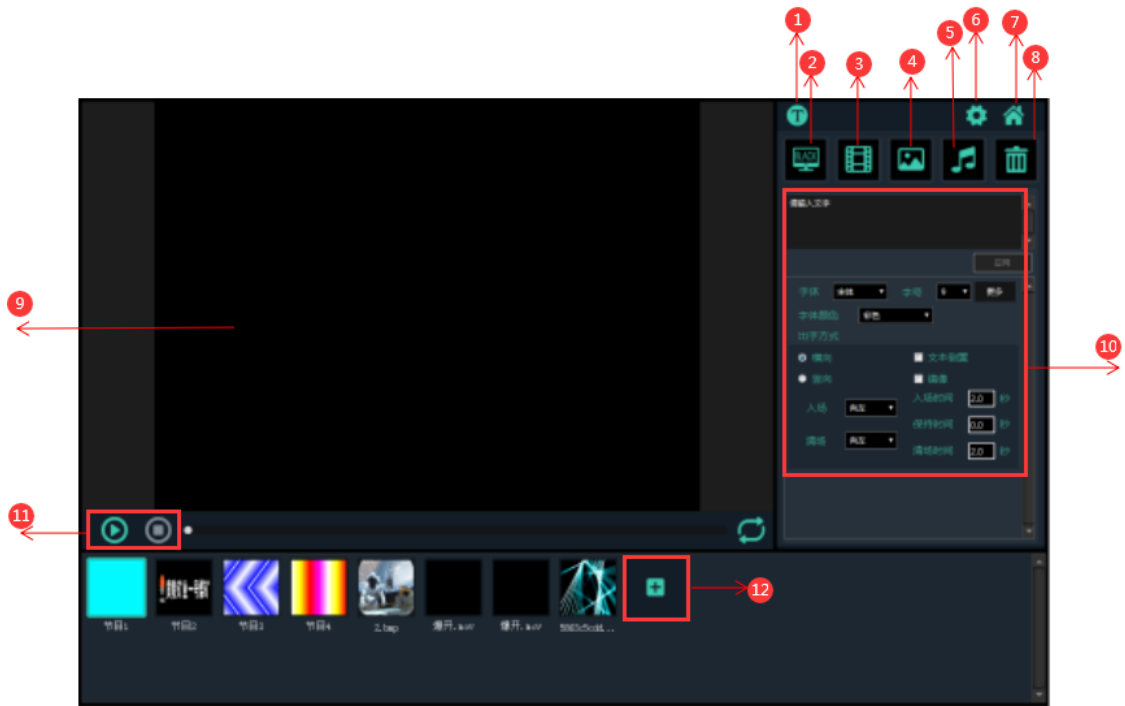
The working interface is shown in the figure below.







3.4 Touch2U interface


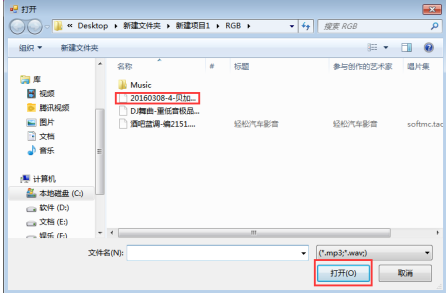

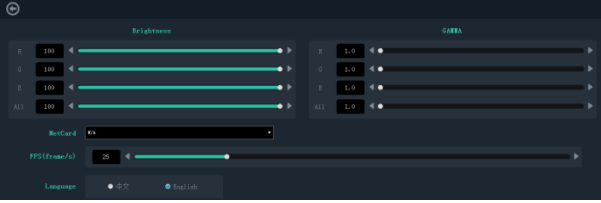






function Introduction





Number	Function	Function Introduction
1	 Text hidden / display	Text needs to be hidden / displayed,
2	 Black-screen key	Light lamp black
3	 Video import	Click the button to import the corresponding video generation effect, and the format only supports AVI
4	 Picture import	You can enter the time of the picture to play <div data-bbox="598 1377 1098 1664" data-label="Image"> </div>



5	 Music import	Import background music 
6	 set up	 Click on the button to set the various parameters
7	 Return to the main interface	Return to the edit main interface
8	 delete key	Delete a single effect
9	 Interface display	Play the window
10	 Text input box	text editing
11	 Play / Stop	Play / pause when playing and stop playing
12	 Add the effect keys	Add a selection effect (video / picture / full color effect)

All-in-one cascade function

1, If a single one-in-one is not sufficient to drive the lamps throughout the project, it can be controlled by using cascades all-in-one. Cascading mode is to connect the OUT port of the master all-in-one machine and the slave all-in-one machine IN port through the network cable, so that the whole project reaches a full synchronization state.

The slave S must be connected to the master M to work. The cascade all-in-one uses a quality mesh cable connection up to 100 meters (add the A86 repeater if the cascades-in-one exceeds 100 meters). Only two orange and white + and orange pairs are used at the A, B signal end, and only two brown and white + and brown pairs are used at the GND signal end (press T568B at both ends of the network line). Customers can extend the cable themselves or reclip it by direct line.





When 2, selects the PC control mode, it needs to set the IP address of the all-in-one machine, the address code of the first all-in-one is 001, the second is 002, Press the middle and hold EN key 5S to enter the setting address interface, After the setting, press EN key 5S to exit saving, and so on...

