

K-SY-408W-AVTMS



K-SY-408W-AVTXMS



K-SY-408W-AVTGMS



K-SY-408W-AVTYMS

K-SY-408W MANUAL

Version: 3.7.1

Model: K-SY-408W-AVTMS-H8
K-SY-408W-AVTXMS-H8
K-SY-408W-AVTGMS-H8
K-SY-408W-AVTYMS-H8
K-SY-408W-AVTGMS-H8(GSM)

2019-8

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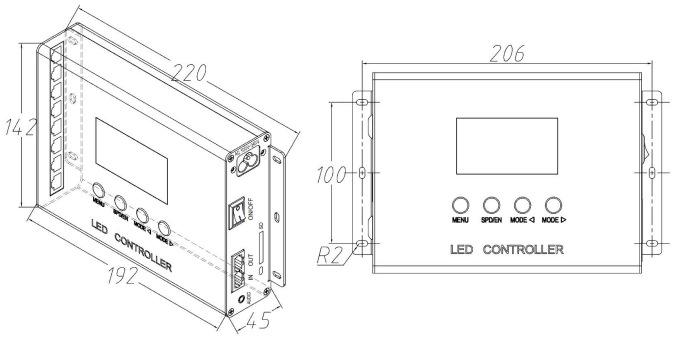
1. FUNCTION OVERVIEW

1. 8-channel output signal (data-independent). Fit to big project or remote transmission, can many cascade combination use.
2. Control the LED digital tube screen and LED pixel light screen those with variety of regular chips.
   Single chip: D**S series, D**J series.
   Single-wire: TM180*-400K/800K, UCS19**, UCS29**, TLS3001, SM167**.
   DMX512 lighting fixture: SW-D, SW-U, UCS512A/B/C0/C4/D/E, DMX512AP/SM512, SM16500/12, SM17500P/12P/22P, standard DMX512 lighting fixture on the market.
   Netants: UCS5603, WS2818, GS8206, P9883, TM1914, XT1506S.
3. Effect, speed, sensitivity of volume and brightness are adjustable while the latter two are optional.
4. Audio control, voice control, cascade, DMX512 decoding, time controller, GPS atellite sync, remote control, encryption and mobile WIFI control are optional as additional functions.
5. Include profession effect production software, user can arbitrarily make effect save in SD card for use.

2. TECHNICAL PARAMETERS

2.1 PRODUCT INFORMATION

Cover material:	Aluminum alloy
Input voltage:	AC 100V - 240V
Output signal:	TTL & RS-485 * 8 channels
Pixel quantity drove:	Single chip: 960 points ×8 channels. Single-wire: 1024 points ×8 channels. Standard DMX512: 168 points ×8 channels. Extensible DMX: 336 points ×8 channels. Netants: 960 points ×8 channels.
Output power:	<3W
Working temperature:	-15℃～60℃
Relative humidity:	≤50% RH
Ingress protection:	IP0 (non dustproof, non waterproof)
Working environment:	Please install under dry indoor condition, avoid any dust, moist and rain.
Weight:	1450g (N.W. 1230g)
Fittings:	 ×1,  (1m)×4,  (1.5m)×1,  (1m)×1,  (1m/cascade)×1,  ×1,  (2m)×1,  ×1
Fittings for additional functions:	(Only use with corresponding functions.)
Size:	Unit mm

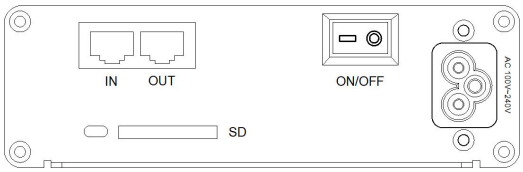


2.2 ERROR CODE

Error	Introduction	Reason
ER01	No SD card	Poor seat connection. / No SD card.
ER02	SD card no response	Card is broken. / Card doesn't support read sequentially.
ER03	Cannot reset SD card	Card is broken. / Card doesn't support read sequentially.
ER04	Cannot activate SD card	Card is broken. / Card doesn't support read sequentially.
ER05	Cannot read SD card	Cannot read part of the card. / Bad connection.
ER06	Cannot find feature code	Card is unformatted. / No files.

Error	Introduction	Reason
ER07	SD card file sequence doesn't match the controller	SD card file error. / Unfinished video synthesis.
ER09	Control sequence doesn't match file sequence	Player setting does not match the cover number.
ER10	Wrong password	Input wrong password.
ER11	UID does not match	UID on main controller does not match the one on slave controller in cascade.
ER12	UID error in config file	UID on config file does not match the one on controller.
ER13	Controller is not fully unlocked	When controller is reading config file, it is not fully unlocked.
ER14	UID error on SD card	UID on SD card does not match the one on controller.

3 INPUT PORT

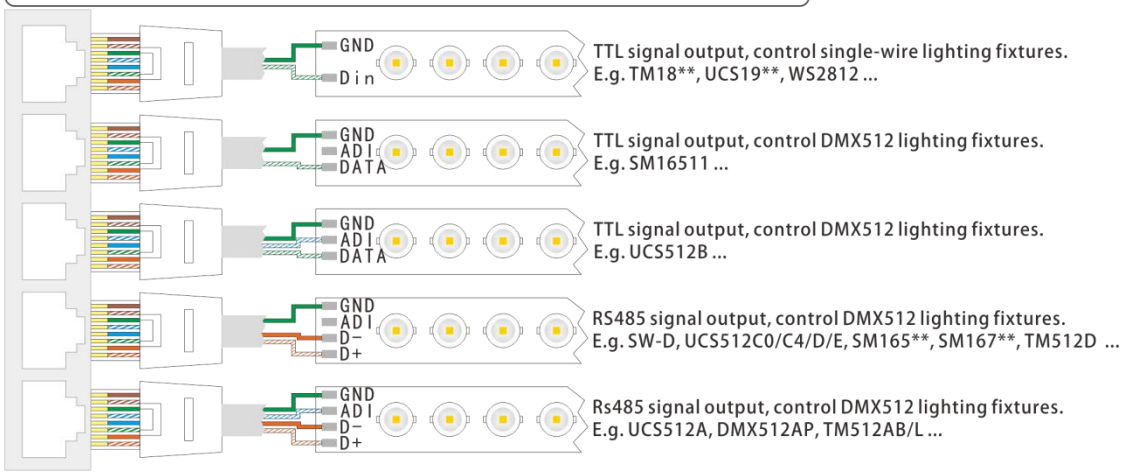


Interface	Function
ON/OFF	Switch of power supply.
SD	SD card slot.
AUDIO	Audio input, connect with audio equipment.
IN	Signal input for cascade.
OUT	Signal output for cascade.

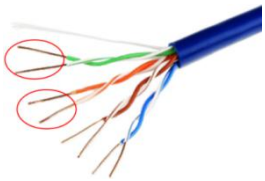
4 WIRING INSTRUCTION

4.1 OUTPUT WIRING





★ Signal cables connection notes:



1. Use UTP(Unshielded Twisted Pair resistance per 100M<10Ω), low quality Ethernet cables and telephone cable are unavailable.
2. Use one group twisted pair, suggest green + green white or orange + orange white. The quality and color of the cable are very important. Blue and brown wires greatly influence the signal transmission. Please don't use several groups of twisted pairs together.
3. Controller signal output GND must connect directly with input GND of lighting fixture. ***Cannot connect with lighting fixture through power switch***.
4. Switch on the controller after all hardware signal cables and wires are connected. Please *don't CONNECT / DISCONNECT* the signal cables while the controller is power on; avoid bad output by reverse current and protect the circuit and components.

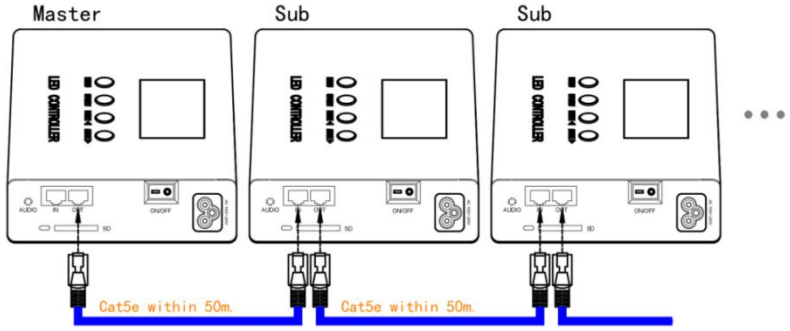
★ Transmission distance:

Transmission Type	Signals	Media	Distance (M)	Notes
Master control → slave control	light coupling	UTP-Unshielded Twisted Pair	50-100	
Master/slave control → SW lightings	TTL	UTP-Unshielded Twisted Pair	30-50	
		Two core wire	5-30	
Master/slave control → Single-wire lightings	TTL	UTP-Unshielded Twisted Pair	5-20	
		Two core wire	1-5	

Transmission Type	Signals	Media	Distance (M)	Notes
Master/slave control → DMX lightings	RS-485	UTP-Unshielded Twisted Pair	30-50	The address wire must be within 5m.
		Three core wire	1-20	
		Four core wire	1-20	
Master/slave control → SW lightings Master/slave control → DMX lightings	TTL	UTP-Unshielded Twisted Pair	5-20	Meters controlled less if over 5m.
		Two core wire	1-5	
		Three core wire	1-5	
Single-wire lightings → Single-wire lightings	TTL	UTP-Unshielded Twisted Pair	1-2	Meters controlled less if over 1m.
		Two core wire	0.1-1	

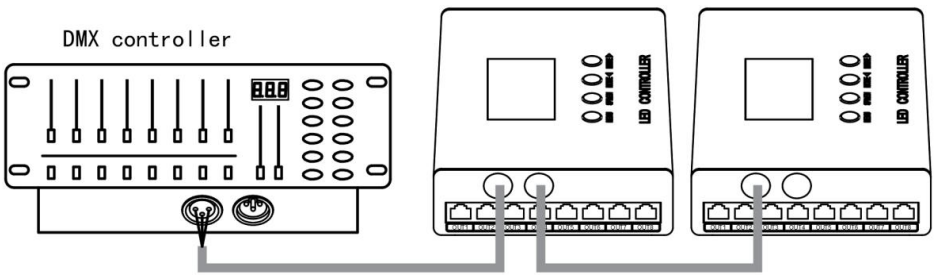
4.2 MASTER SLAVE CASCADE

The project must be controlled by multiple controller. Then two controller are connected by UTP CAT5e.
The first controller is set master, another is sub. The distance must be less than 50M. (It must add AP100 each 50m to increase distance.)
Clients can extend the cables or by clipping straight-through wires (cables two ends based on T568B).
Operation refer to the "CASCADE CONTROL" section.



4.3 DMX CONNECTION

User can adjust the effect, speed and brightness by DMX512 control console.
Connection:
P1 = GND； P2 = D-/B； P3 = D+/A
Operation refer to the "DMX512 DECODING" section.



4.4 GPS ANTENNA NOTES

2m GPS antenna is provided. User can also purchase GPS marine antenna with standard SMA interface according to on-site engineering requirement. The longer the antenna is, the larger the difficulty of searching satellite will be.

Notes:

a) GPS Antenna should be installed in open space to guarantee view angle within 30 degree, there is no big shades (such as trees, iron towers, buildings etc.). GPS Antenna should be more than 2m away from the metal objects which size is bigger than 20cm.

b) For the satellite appears on the equator more than other places, in the North Hemisphere, you'd better put the GPS antenna south of the installation place.



c) Please don't put GPS antenna around other transmitting and receiving equipment to avoid other transmitting antenna direction point to GPS antenna. Please keep them 2m away with each other.

4.5 WIFI ANTENNA NOTES



Notes:

a) Please try to keep WIFI Antenna perpendicular to the floor.

b) Wall, glass and interval would reduce WIFI signal rapidly during transmission. Besides, external electromagnetic interference (EMI) could lead to signal interruption, short transmission distance, failed connection and related problems. **Therefore, the distance between mobile phone and WIFI antenna cannot be too long which should be less than 30m without blocks.**

c) Controller can only be controlled by ONE mobile APP. Also, one mobile APP can only control ONE controller.

4.6 GSM NOTES

Put SIM card into the card slot and wire the GSM signal line in the case of power failure.



Notes:

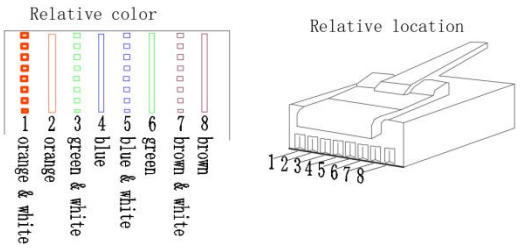
a) Please use standard SIM card with WCDMA or TD-SCDMA.

b) Please put the controller in high place. It should be closed to open space outdoor and base station. Otherwise, it would not receive the message due to the unstable signal.

c) Please don't put GSM antenna around other transmitting and receiving equipment to avoid other transmitting antenna direction interference GSM antenna.

d) Please use Cell phone signal amplifier to strengthen signal in the unstable signal place.

4.7 T568B STRUCTURE

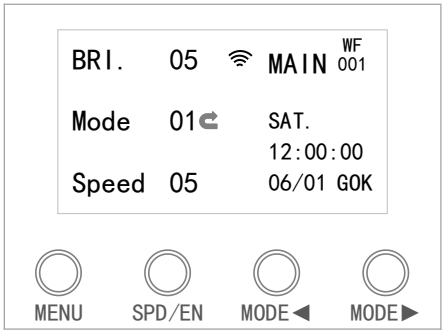


5. BASIC OPERATION

5.1 BUTTONS

Button	Operation	Explanation
MENU	Short press	Switch PICTURE, DYNAMIC-AUDIO, DYNAMIC-VOICE, SPECTRUM-AUDIO, SPECTRUM-VOICE.
	Long press	Enter/exit the "parameter setting" interface.
SPD/EN	Short press	Set the effect speed and save the parameter Settings.
MODE◄	Short press	Decrement, suitable for changing effect and setting parameters.
	Long press	Quickly decrement the value of the effect/parameter.
MODE►	Short press	Increment, suitable for changing effect and setting parameters.
	Long press	Quickly increment the value of the effect/parameter.

5.2 INTERFACE INTRODUCTION



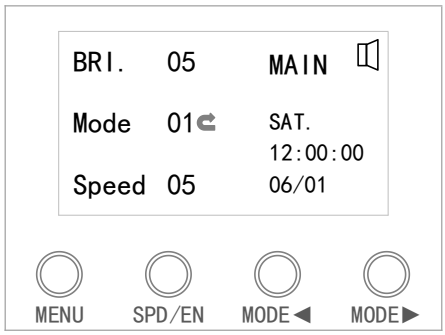
The control box does not support/enable the function, the interface does not display.

Display	Explanation
BRI.	Current brightness of controller output.
Mode/S_MD.	Current display effect. is Multi-loop playback status.
Speed	Current display speed.
MAIN	Main control.
Sat. 12:00:00 06/01	Current setting date and time.
	Controller is connected with mobile APP.
WF 001	Enter WIFI control. (001 is the Nth list.)
G OK	Signal of searched GPS satellite. ER: no GPS information detected. NG: no signal. OK: The effects have been Sync.

5.3 CONTROL SETTING

5.3.1 CONTROL MODE SWITCHING

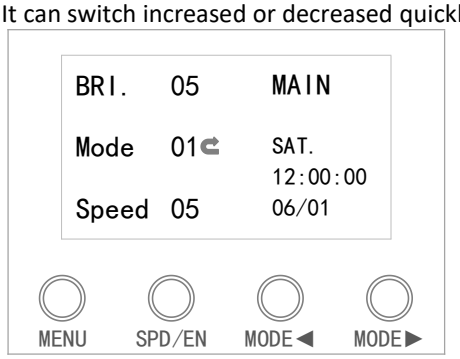
Press “MENU” button, select PICTURE, DYNAMIC-AUDIO, DYNAMIC-VOICE, SPECTRUM-AUDIO, SPECTRUM-VOICE.

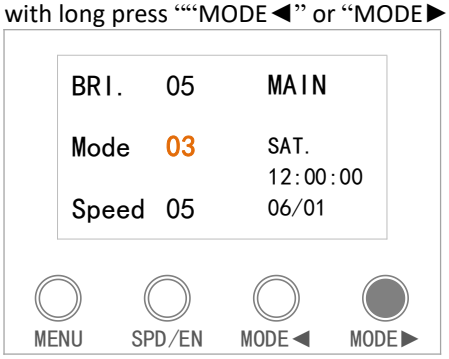


Mode	Icon	Explanation
Picture	Mode **	Total 96 effects. (The music effect is within 40.)
Spectrum-voice	Mode ** +	
Spectrum-audio	Mode ** +	
Dynamic-vioce	S_MD. ** +	
Dynamic-audio	S_MD. ** +	

5.3.2 EFFECT SWITCHING

Press “MODE◄” and “MODE►” to select effects. And the effect is changed from multi-loop to single-loop.
It can switch increased or decreased quickly with long press ““MODE◄” or “MODE►”.

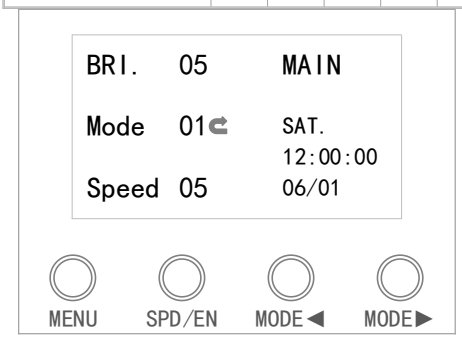


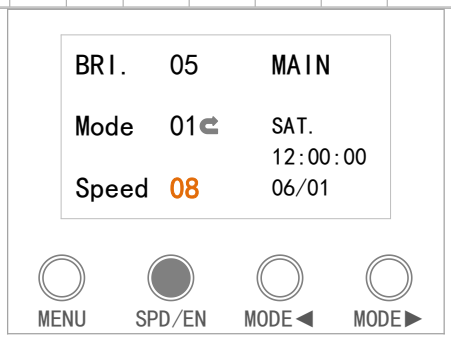


5.4 SPEED SELECTION

Press button “SPD/EN” on control panel to select play speed, the less the rate, the quicker the speed. All the controllers set same speed and same mode, connect to power in the same time in the AC speed.

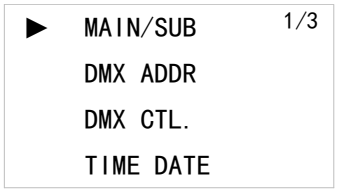
Parameters	Speed															
Interface	03	04	05	06	07	08	09	10	11	12	15	20	30	50	80	99
		04AC		06AC		08AC		10AC		12AC		20AC		50AC		99AC
Frame Rate(ms)	30	40	50	60	70	80	90	100	110	120	150	200	300	500	1000	2000
(fps)	33	25	20	17	14	13	11	10	9	8	7	5	3	2	1	0.5

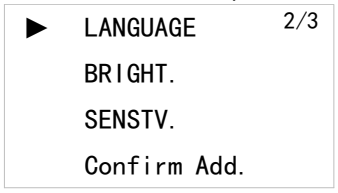




5.5 MENU SETTING

Long press “MENU” enter/exit “MENU SETTING”.
Press “MODE◄” and “MODE►” to select function. Press “SPD/EN” to confirm.







First Menu	Second Menu	Explanation
MAIN/SUB	MAIN/SUB	Set main control or sub control.
DMX ADDR	DMX ADDRESS ***	Press “MODE◄” and “MODE►” to set the address data(1-504).
DMX CTL.	Loop in 0 Black in0	Set the effect is loop or black in the 0 channel value.
TIME DATE	SATURDAY 12:00 2019/06/01	Set the time. Press “MODE◄” / “MODE►” to set data and “SPD/EN” to confirm. **The controller with GPS/BTS function cannot change.**
LANGUAGE	English/Chinese	Set the language.
BRIGHT.	Brightness **	Set the lightings brightness. Data 0 1 2 3 4 5 Brightness 0% 6.25% 12.5% 25% 50% 100%
SENSTV.	Sensitivit **	Set the sensitivity in voice/audio control. Data 0 1 2 3 4 5 Grade Dull < normal < Sensitive
Confirm Add.	Enable/Disable	Set whether the controller sends an effect (first lighting light yellow, another light green) after the addressing is complete.
TIME CTL.	WIFI_CTL SD_CTL OFF	Set the time control. **The wifi control only is valid in APP control.**
STATISTICS	E03: **** E05: ****	Count the time of E03/E05.
VERSIONS	Versions *****	Get the information of the current version.

6. ADDITIONAL FUNCTION

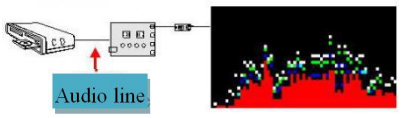
6.1 AUDIO / VOICE CONTROL

It includes audio and voice control function. It only use one control mode.

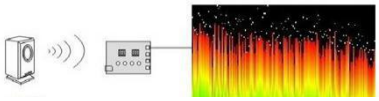
Press “MENU” to transfer voice control or audio control. The effect of the two controls is same. Voice control and audio control quantity can be changed according client’s needs.

Please ensure there are .YEL/.YIN (spectrum) or .mel/.min (autokinetic) format effects in the software before merging files in SD card. Otherwise the audio/voice control will be unavailable.

Audio When the controller is power off, plug one end of audio line into AUDIO port, and plug the other end into music player. Then switch on the power of controller and music player. Ensure the status is “Audio control”.



Voice Controller with built-in microphone, put the controller near voice equipment and make the voice clear. Manually adjust to voice mode.



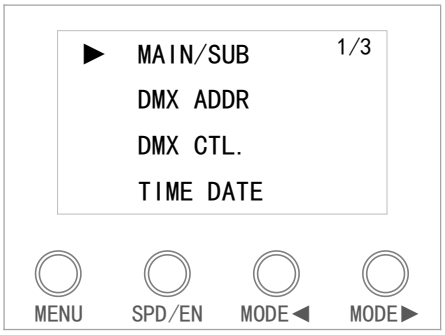
	Option	Explain
Spect-rum	High-low jump	It output different audio color column based on voice volume. Higher volume, higher color column. Lower volume, lower color column.
Autok-inetic	Frame extracting	Extract the frame according to the music volume. Extract the front frame when the volume is low. Extract the latter frame when the volume is large. Effect design: expand from small to big/ contract from big to small/ hopping from up to down/ bounce from left to right (e.g.: similar to the firework exploded from small to big)
	Frame skip	Play speed would make a adjustment in 0.5~5 times according to the volume of each sound. (If the different of volume is small in a whole song, the change would not be so obvious.) Effect design: similar to the windmill sound that continuous display.

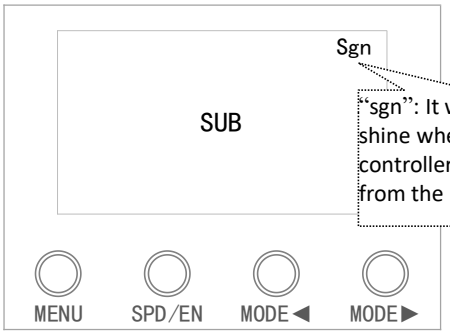
6.2 CASCADE CONTROL

The project must be controlled by multiple controller. It connects Main controller with slave controllers by cables to make the whole project synchronization.

1. In the MAIN/SUB interface, Press "MODE◄" and "MODE►" to set "SUB" control. Change “SUB” into “MAIN” at the end to set as main controller.

2. Then two controller are connected by UTP CAT5e. Connection refer to the “MASTER SLAVE CASCADE” section.





6.3 DMX512 DECODING

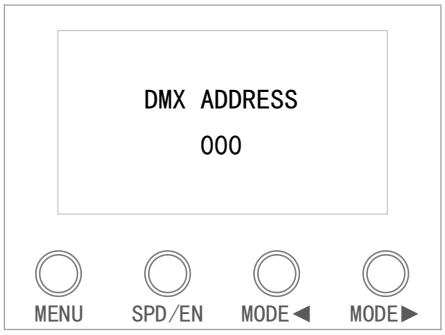
User can adjust the effect, speed and brightness by DMX512 control console.

The same or different addresses can be set in the controller, so that DMX512 control console is able to control several controllers with same or different effects. *The actual effect is determined by SD card and mode selection of the controller.* Connection refer to the “DMX CONNECTION” section.

Press "MODE◄" and "MODE►" to set address data.

Formula of address setting: **(N-1)* 8 + 1**. N represents the Nth controller.

Press “SPD/EN” to confirm.



Introduction of Push Rod of DMX Control Console:

Channel	01		02		03		04		05		06	07		08	
	Seneitivity		Speed		Control Mode		Effect		Effect			Sync		Brightness	
	Set	Range	Set	Range	Set	Range	Set	Range	Set	Range		Set	Range	Set	Range
Prdltion of Push Road	05	215-255	99	240-255	Dyn-audio	204-255	90	225-255	09	225-255	/	AC	128-255	05	215-255
			80	224-239			80	200-224	08	200-224					
	04	172-214	50	208-223										04	172-214
			30	192-207	Dyn-voice	153-203	70	175-199	07	175-199					
			20	176-191											
	03	129-171	15	160-175			60	150-174	06	150-174				03	129-171
			12	144-159											
			11	128-143	Spe-audio	102-152	50	125-149	05	125-149					
	02	86-128	10	112-127								DC	0-127	02	86-128
			9	96-111			40	100-124	04	100-124					
			8	80-95	Spe-voice	51-101									
	01	43-85	7	64-79			30	75-99	03	75-99				01	43-85
			6	48-63											
			5	32-47			20	50-74	02	50-74					
	00	0-42	4	16-31	Picture	0-50								00	0-42
			3	0-15			10	25-49	01	25-49					
							00	0-24	00	0-24					

Channel	01		02		03		04		05		06	07		08	
	Seneitivity		Speed		Control Mode		Effect		Effect			Sync		Brightness	
	Set	Range	Set	Range	Set	Range	Set	Range	Set	Range		Set	Range	Set	Range
Prdltion of Push Road	05	215-255	99AC	224-255	Dyn-audio	204-255	90	225-255	09	225-255	/	AC	128-255	05	215-255
							80	200-224	08	200-224					
	04	172-214	50AC	192-223										04	172-214
					Dyn-voice	153-203	70	175-199	07	175-199					
			20AC	160-191											
	03	129-171					60	150-174	06	150-174				03	129-171
			12AC	128-159											
					Spe-audio	102-152	50	125-149	05	125-149					
	02	86-128	10AC	96-127								DC	0-127	02	86-128
							40	100-124	04	100-124					
			08AC	64-95	Spe-voice	51-101									
	01	43-85					30	75-99	03	75-99				01	43-85
			06AC	32-63											
							20	50-74	02	50-74					
	00	0-42	04AC	0-31	Picture	0-50								00	0-42
							10	25-49	01	25-49					
							00	0-24	00	0-24					

The channel will be blank if the controller doesn’t have corresponding function.

6.4 WIFI COTROL

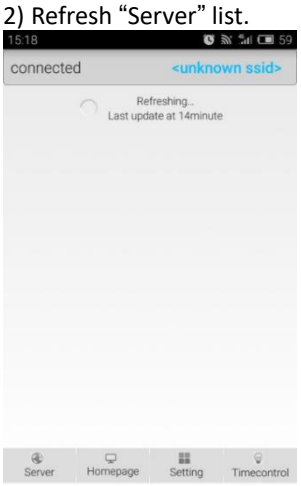
It will set the effect and speed by APP when the controller connect WIFI. The operation please refer to WIFI MOBILE APP USER MANUAL.

Connect the WIFI antenna to the controller, and power on. Connect the app and controller through wireless network. The operation below.

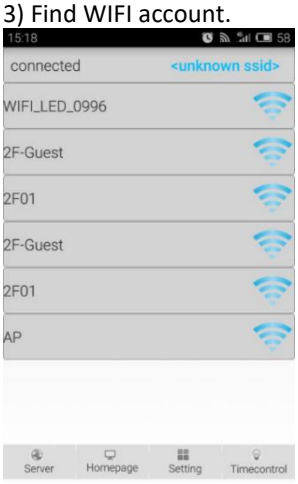
1) Press to open 。



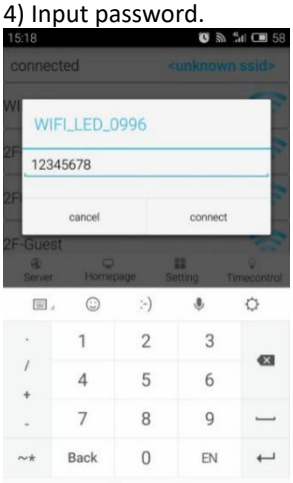
2) Refresh “Server” list.



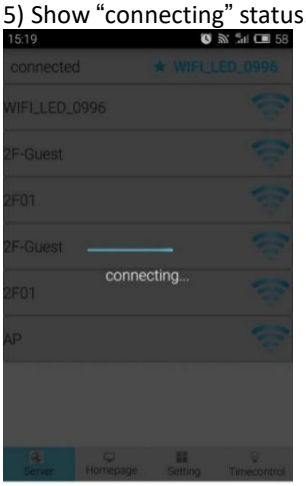
3) Find WIFI account.



4) Input password.



5) Show “connecting” status.



6) Successfully connected.



User can set the WIFI account and psaaword. The operation please refer to WIFI MOBILE APP USER MANUAL.

⚠

- When APP successfully connects with controller, APP shows the prompt “It is connected” and the account of WIFI connected will show in the top right corner. The icon ★ indicates the successful connection. In the meantime, “ ” will show in the controller.
- When a mobile is connected, the others will not be able to connect again and the APP will show “disconnected”.
- When the APP cannot connect with controller through WIFI, all the functions in APP will be disabled. It shows the error prompt “Please connect to WIFI first” if press the other menu.
- The connection between APP and controller will automatically disconnect if there is not any operation within 5 minutes. However, the lighting fixture will continue the status as it works before WIFI disconnects. It shows the error prompt “Please connect to WIFI first” if press the other menu. Please manually re-connect APP with controller if would like to use phone to control the controller.
- If fail to connect, please completely exit the APP and open it again (must exit in the background as well).





Mobile APP well connects with controller



Connected by the other user

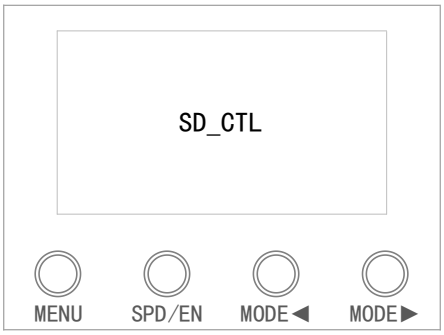


WIFI disconnected

6.5 TIME CONTROL

It has time control function. After enabling time control, the specified effect can be triggered within a specified time. Enter "parameter setting" - "time control function" to enable. **Maximum time control lists of player can be 100, and maximum 10 pcs of effects can be set in each list.**

PS: This function only applies to pattern effects.



Mode	Description	Shows
SD_CTL	The lighting is black while waiting. The controller will switch to corresponding effect mode when it reaches the time set. (The mode buttons are disabled.)	BRI. 05 MAIN SD 001 Mode 01 SAT. 12:00:00 Speed 05 06/01 GOK
WIFI_CTL	The lighting is black while waiting. The controller will switch to corresponding effect mode when it reaches the time set. (The mode buttons are disabled.)	BRI. 05 MAIN WF 001 Mode 01 SAT. 12:00:00 Speed 05 06/01 GOK
OFF	Manually set the off time control state, the recovery is controllable.	BRI. 05 MAIN Mode 01 SAT. 12:00:00 Speed 05 06/01 GOK

★ **Please download the latest version of time control software. For any question, please don't hesitate to contact with us.**

6.6 REMOTE CONTROL

There is build-in remote control module. It can send wireless signal within 5-15m control distance. Speed and mode can be changed by remote controller. The remote control will be unavailable if the number in remote controller does not correspond to the one in remote control module of controller.

"0"-"9": Press the value to jump to the target mode

"MODE◄": Short press, effect decrease 1.
Long press, effect decline rapidly.

"MODE►": Short press, effect increase 1.
Long press, effect increasing rapidly.

"Speed": Short press, speed increase 1.
Long press, effect increasing rapidly.

"Menu": Switch PICTURE, DYNAMIC-AUDIO, DYNAMIC-VOICE, SPECTRUM-AUDIO, SPECTRUM-VOICE.

"Auto": Sequential loop play



6.7 GSM REMOTE

User can freely edit and send message to control the lighting fixture with picture effect, change speed, brightness. Lock is an optional as additional function.

Controllers with GPS function is not need to power on again,synchronous immediately. Applicable to the project that inconvenience to manual set the controller or the project that need encryption.

Put standard SIM card into the card slot and wire the GSM signal line in the case of power failure.

Order format: "-command parameter 1".

The blank between command and parameter must be kept. Letters are not case-sensitiv.

Order feedback: the controller will confirm that the SIM card in controller is validity when receive message. It will execute the command and send the command to cellphone. It will be no-operation if the SIM card number is wrong.

Note: It must be only one command in the message. And it is nullity if the message with "–command 1 –command 2". The second message must be send after cellphone receive the first feedback message. Network will be stoppage if cellphone send the command to multiple phone numbers. And the controller will be set fail.

Locking and unlocking is custom fuction. It is valid on the specific phone number.

Command:

	Com-mand	Example	Feedback	Explain
Pictur e	-MD	-MD 10	-MD 10	The picturemode has been set 10 sucessfully.
		-MD 100	Warning,MD_Mode<=99	The picture mode must been set in 0-99.
Speed	-SP	-SP 6	-SP 6	The speed has been set 6 sucessfully.
		-SP 30	Warning,03<=Speed<=18	The speed must been set in 3-18. Command number corresponds to controller's: **Command** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** Controller | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 **Command** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** Controller | 11 | 12 | 15 | 20 | 30 | 50 | 80 | 99
Bright-ness	-BR	-BR 5	-BR 5	The brightness has been set 5 sucessfully.
		-BR 0	Warning,01<=Bright<=05	The brightness must been set in 1-5.
Lock-i ng **(Custo m)**	-LK	-LK 1	-LK 1	The controller has been locked sucessfully and it won't work.
			-Locking	The controller is locked.
			Warning,No Access	The phone number do not send the command.
		-LK 0	-Locking	The controller is locked.
			Fault: -LK 0	The wrong number and it must be 1.
Unlock -ing **(Custo m)**	-UK	-UK 1	-UK 1	The controller has been unlocked sucessfully and it continue working.
			Warning,No Access	The phone number do not send the command.
		-UK 0	Fault: -UK 0	The wrong number and it must be 1.
		-DD 0	COM_ERR	The wrong command.

7. ADVANCED SETTING

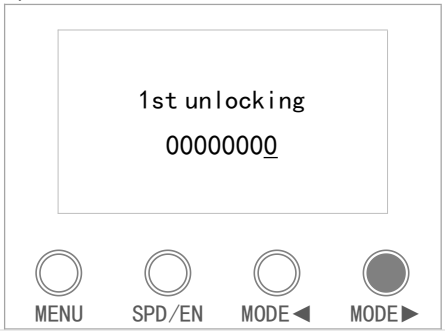
7.1 UNLOCK CONTROLLER

When controller shows "It is Locked. Enter Password", then the controller stops working. Input 8 digits password will open the controller and for lifetime use. It can be perpetual use after ultimate unlocking. Please refer to the unlocking operations below.

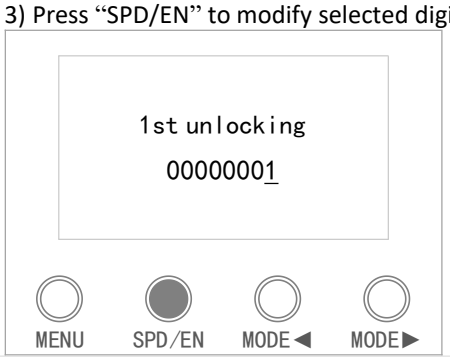
1) Long press "MENU" to power on.



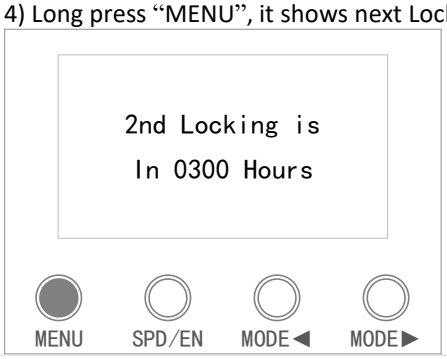
2) Press "MODE▶" and "MODE◀" to move cursor.



3) Press “SPD/EN” to modify selected digit.



4) Long press “MENU”, it shows next Lock time.

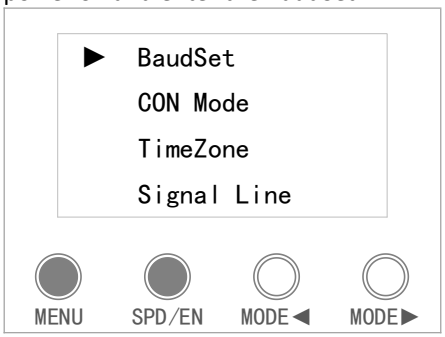


Note: It should be unlocked in sequence, and cannot unlock in advance during a trial.

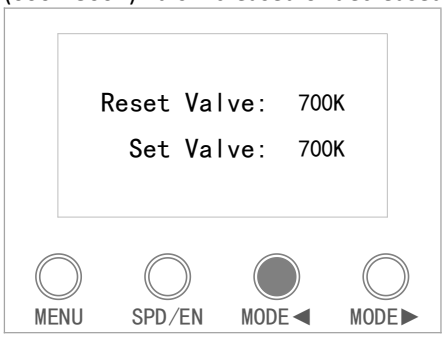
7.2 BAUD RATE SETTING

The controller can set up the baud rate of single-wire lighting fixture. Refer to the setting-up operations below.

1) Long press “MENU” and “SPD/EN” together to power on and enter the BaudSet.



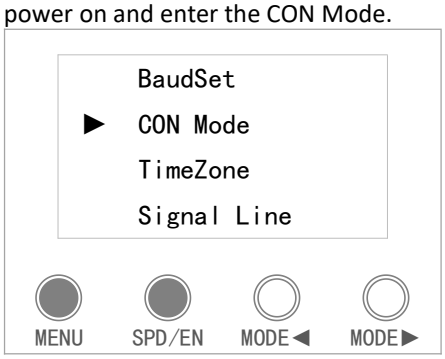
2) Press “MODE◀” or “MODE▶” to set up the rate (600K-800K). It is increased or decreased with 10K.



7.3 CONTROL MODE

It can set the control mode. The operetion below. (The default is usually Sound & Audio control.)

1) Long press “MENU” and “SPD/EN” together to power on and enter the CON Mode.



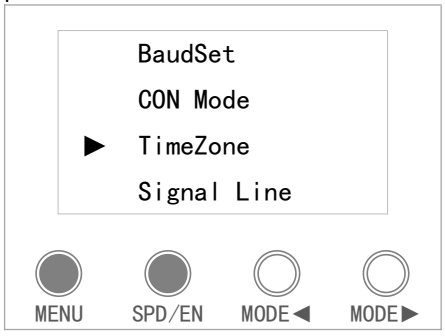
2) Press “MODE◀” or “MODE▶” to select the option. press SPD/EN to confirm.



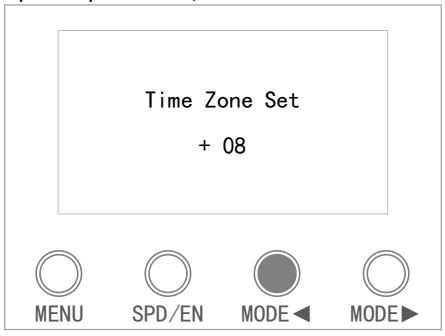
7.4 TIME ZONE SETTING

The controller received the GPS time if it use the GPS function. It cannot be set manual the time except the time zone. It will according the timezone to show the local time.

1) Long press “MENU” and “SPD/EN” together to power on and enter the TimeZone.



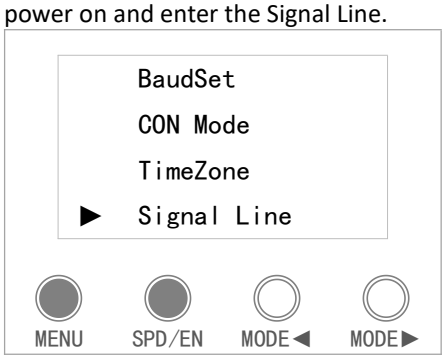
2) Press “MODE◀” or “MODE▶” to select the option. press SPD/EN to enter into the setting.



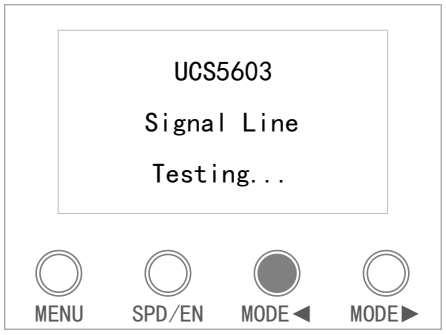
7.5 SIGNAL LINE TESTING

When UCS5603 is selected in SD card's effect file, the controller can start testing mode to test whether the signal cable works properly. Operation process is as below:

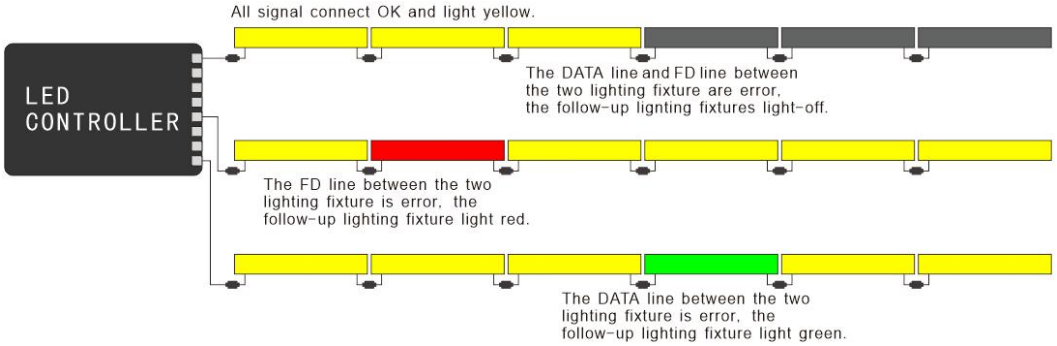
1) Long press "MENU" and "SPD/EN" together to power on and enter the Signal Line.



2) Press "SPD/EN" to switch test/pause. Restart the controller and exit.



TESTING RESULT.



7. ADDRESSING

7.1 SUPPORT

Chip	Adress	Custom Channel	Write parameters			
			Unsignaled State	Power-on Setting	Electricity	Transpond
UCS512A	√	×	×	×	×	
UCS512B	√	×	×	×	×	
UCS512C0	√	×	×	×	×	
UCS512C4	√	×	×	G-25%	×	
UCS512D	√	×	Keep the previous frame	G-25%	×	
UCS512E0	√	√	Keep the previous frame	B-25%	×	
DMX512AP	√	×	×	×	×	
SM16512	√	×	×	×	×	
SM16511	√ (SM16512)	×	×	×	×	
SM16520	√ (SM16512)	×	×	×	×	
SM16500	√	×	Keep the previous frame	Full-light 25%	×	
SM17500	√	√	Keep the previous frame	Full-light 25%	×	Return to zero code
SM17512	√	×	Keep the previous frame	G-25%	Maximum	
SM17522	√	×	Keep the previous frame	Black	Maximum	
SW-D	√	×	×	×	×	

※ The controller will write default values.

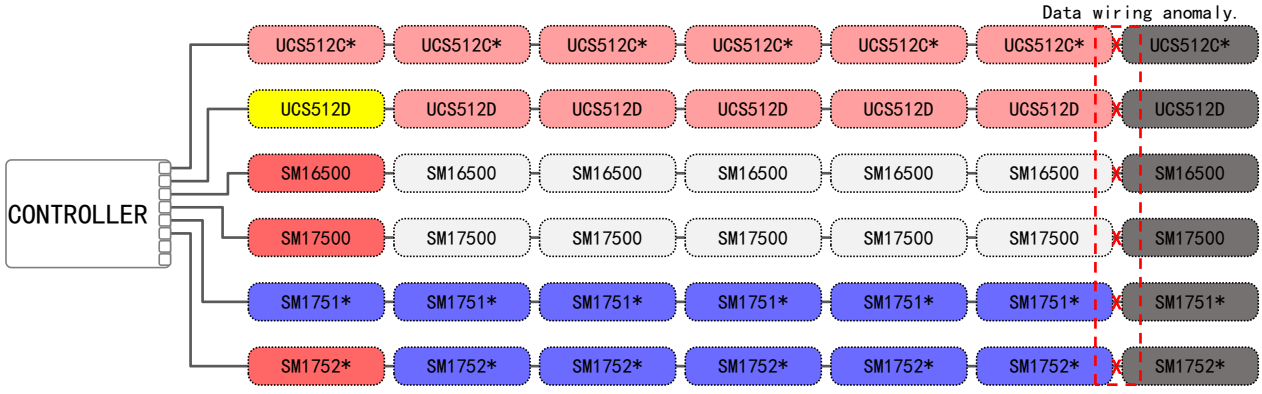
7.2 SUCCESSFUL ADDRESSING



Note,

1. It would light the random color if the wrong connection.
2. Please use the check function to check the lighting fixture's address.
3. SM1751* only light color for 2 seconds after successful address, namely jump to [power on self-check color]. SM1752* only light color for 4 seconds after successful address, namely jump to [power on self-check color].

7.3 SUCCESSFUL WRITE PARAMETERS



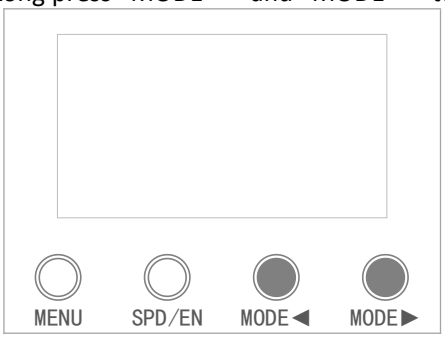
Note,

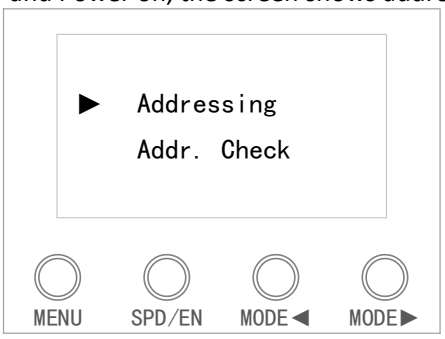
1. It would light the random color if the wrong connection.
2. SM1751* only light color for 2 seconds after successful write parameters, namely jump to [power on self-check color]. SM1752* only light color for 4 seconds after successful write parameters, namely jump to [power on self-check color].

7.4 ADDRESSING OPERATION

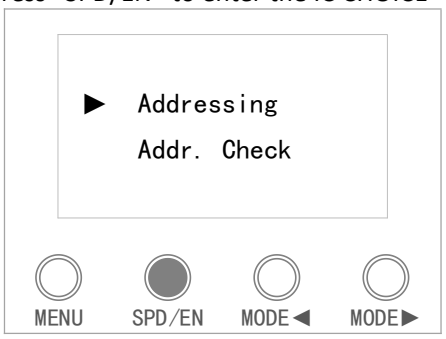
For addressing operations please refer to following example. (The whole process should be conducted with plugging card.)

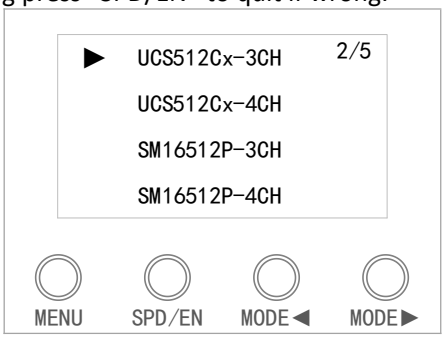
1) Long press "MODE◀" and "MODE▶" together and Power on, the screen shows addressing option.





2) Press "SPD/EN" to enter the IC CHOICE ***. Long press "SPD/EN" to quit if wrong.





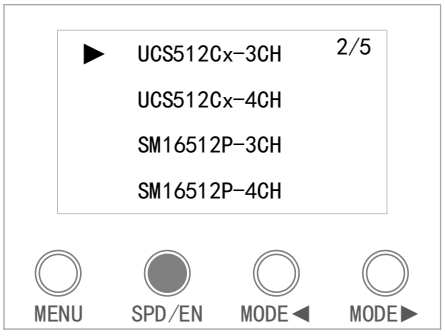
Addressing mode must be consistent with lighting fixture, otherwise the addressing will be invalid.

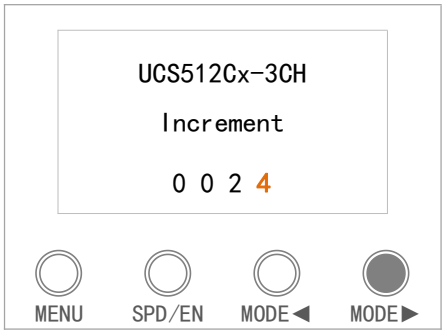
☺ Press "MODE◀" and "MODE▶" can change the type of chip.

3) Press "SPD/EN" to enter the *** *** Increment 0003. It's the status of entering channel's value. (It will memorize previous data.) "0003" means 3 channels in single chip.

Press "MENU" to increase the 1st value. Press "SPD/EN" to increase the 2nd value.

Press "MODE◀" to increase the 3rd value. Press "MODE▶" to increase the 4th value.

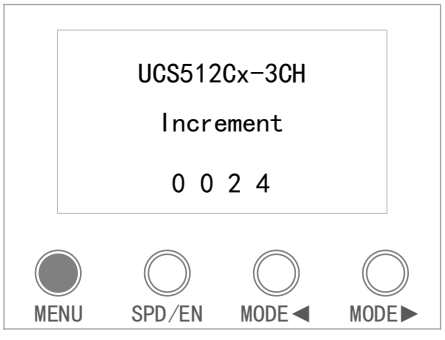


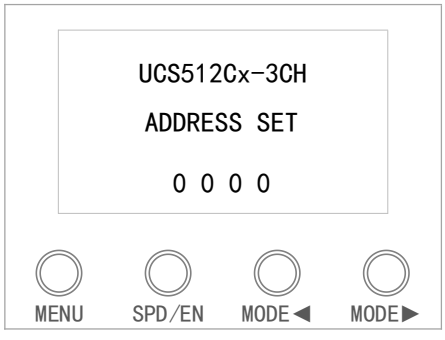


4) Long press "MENU" to enter the *** ADDRESS SET 0 0 0 0. It's the status of entering address value. (It will memorize previous data.) "0000" means entering "Automatic" addressing.

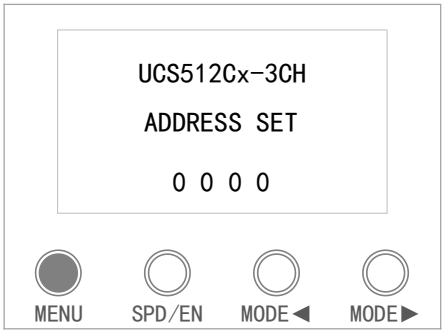
Press "MENU" to increase the 1st value. Press "SPD/EN" to increase the 2nd value.

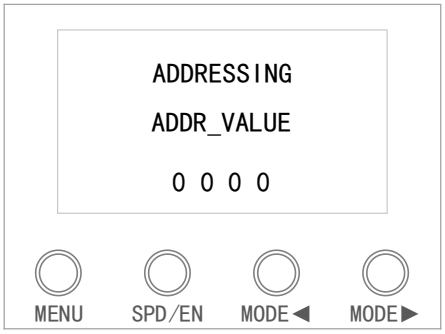
Press "MODE◀" to increase the 3rd value. Press "MODE▶" to increase the 4th value.





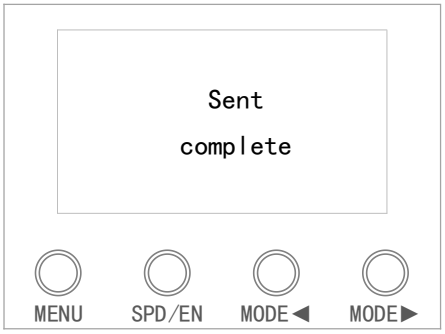
5) Long press “MENU” and the screen shows ADDRESSING ADDR_VALUE 0000. Then the data is sent out by controller.

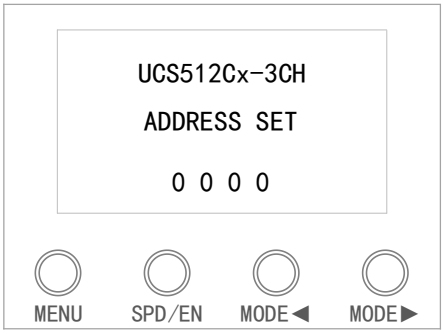




※ The buttons are useless for sending the address.

6) It displays Sent Complete when it is sent out successfully. And then it displays the address set before. Long press “SPD/EN” to enter the Addr. Check. Operation refer to the “ADDRESSING CHECK” section.





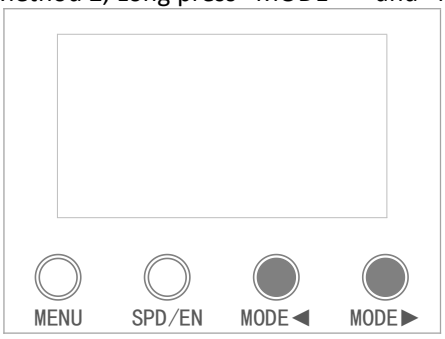
When DMX lighting fixture is addressed successfully, the lighting fixture will be the particular light. Refer to the “SUCCESSFUL ADDRESSING” section.

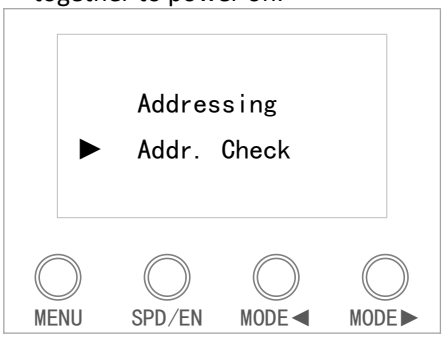
7) **It has memory function that only needs to set the address once.** When the controller and lighting fixture are power on again, controller enters normal control mode and the lighting fixture plays effect properly.

7.4 ADDRESSING CHECK

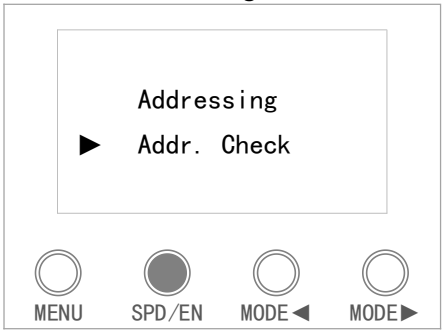
It can be lighted up the appointed DMX chip to verify the address. The Opreation belows.

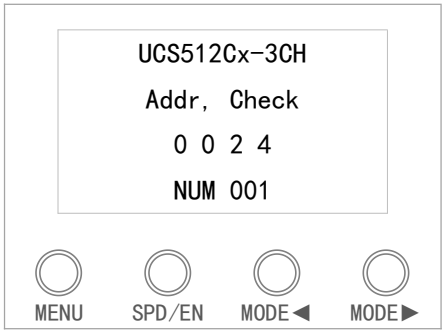
1) Method 1,Long press “SPD/EN” to quit the addressing setting after addressing complete.
Method 2, Long press “MODE◄” and “MODE►” together to power on.



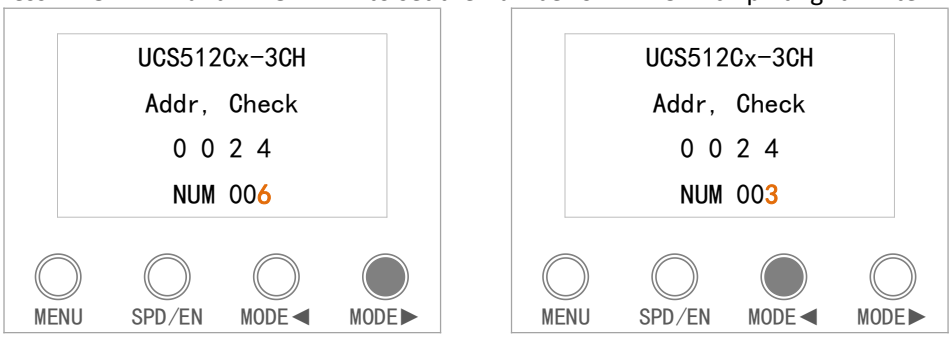


2) Press “MODE◄” and “MODE►” to select “Addr.Check”, and press “SPD/EN” to enter-in.
“0024” means the latest operation data. If the other channel of lighting fixture, refer to “ADDRESSING OPERATION” for setting it.





3) Press “MODE◄” and “MODE►” to set the number of DMX512 chip. It light white when loosen the button.



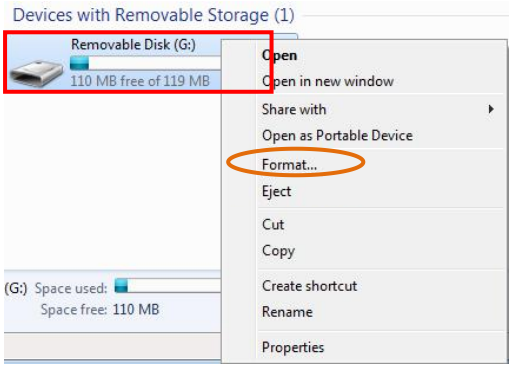
Tips: It can switch increased or decreased quickly with long press ““MODE◄” or “MODE►”.

4) Long press “SPD/EN” or power-off the controller if quit the check.

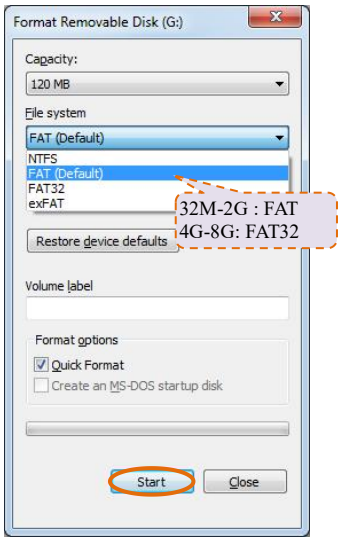
8. SD CARD COPY

Method 1:

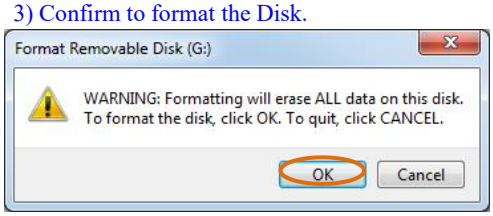
1) Right click the disk where the SD card locates.



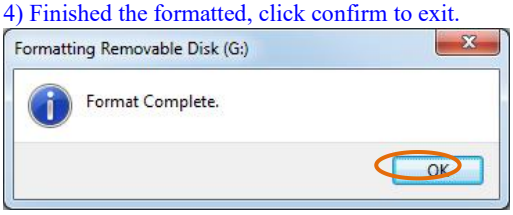
2) Select –FAT (Can tick off “Quick Format”) and click START.



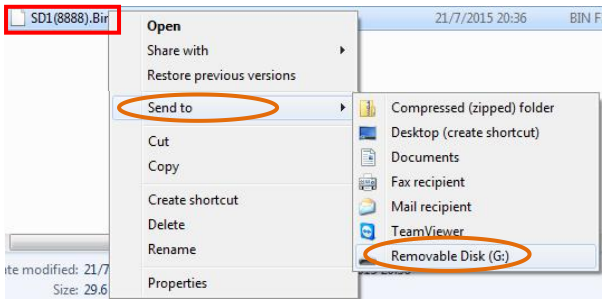
3) Confirm to format the Disk.



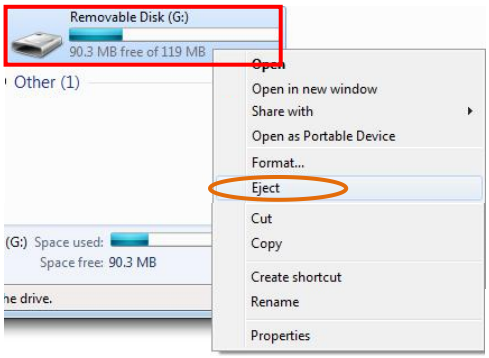
4) Finished the formatted, click confirm to exit.



5) Right click SD1(8888).Bin file, send the file to removable disk.

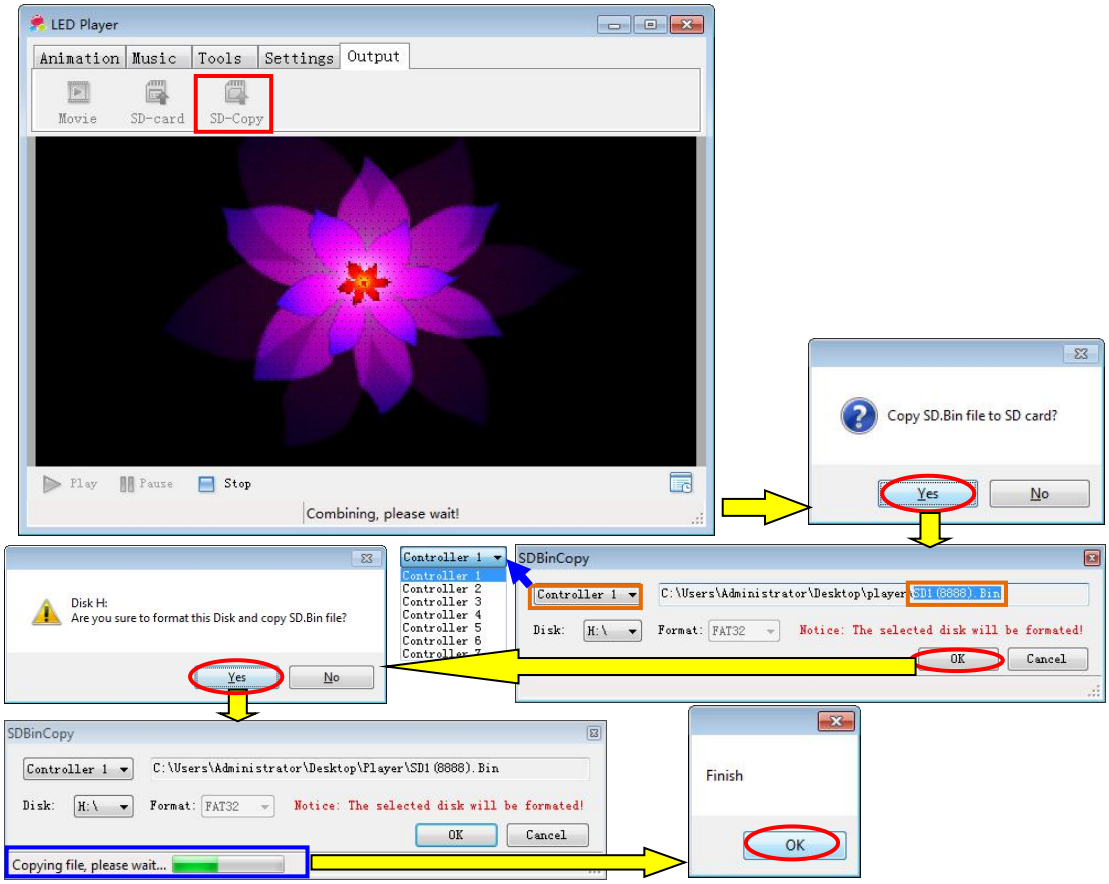


6) Right click removable disk and select pop to pop the SD card.



Method 2:

1. Insert SD card.
2. Click SD-Copy and copy the file into SD card according to hints. (all copying steps into SD card are the same).



Note:
Right of revising this specification reserved.
(Please understand there will be no extra notice when change is occurred.)
The information in the manual is for reference only,
please don't regard it as guarantee of the product.