

User Manual



LED CYC LIGHT 48x3W RGBA

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1. Safety instructions

FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 41°F /5°C, or exceeding 95°F /35°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the player for an extended period of time be sure to disconnect the plug from the receptacle.

1.1 Overhead Rigging

This Item must be built in a way that it can hold 10 times more of its weight for 1 hour without causing any damages.

The installation must be secured with a secondary safety attachment. The safety attachment has to be constructed in a way that no part of the installation can fall down

When rigging, de-rigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

Before taking the device in operation, the installation must be approved by an expert.

The operator has to make sure that safety - relating and machine - technical installations are

approved by a skilled person once a year.

Procedure:

The Device must be installed outside areas where persons may walk by or be seated.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the

projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

Use only professional trussing systems if the Item shall be lowered from the ceiling or high joists. Never let the Device swing freely in a room.

Caution: Overhead Items may cause serious injuries when crashing down!! If there is concern about the safety then DO NOT INSTALL the Device!!!!

DANGER OF FIRE!

When installing the device, make sure there is no highly-inflammable Material (decoration articles, etc.) within a distance of min. 0.5 m.

Mount the projector with the mounting-bracket to your trussing system using an appropriate clamp.

For overhead use, always install a safety-rope that can hold at least 12 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Pull the safety-rope through the hole in the mounting-bracket and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw.

The maximum drop distance must never exceed 20 cm.

A safety rope which already held the strain of a crash or which is defective must not be used again.

Adjust the desired inclination-angle via the mounting-bracket and tighten the fixation screws.

DANGER TO LIFE!

Before taking into operation for the first time, the installation has to be approved by an expert!

1.2 Power Connection

!! CAUTION!!

Never leave this device running unattended!! Every person that is involved with this Item has to be qualified!!

Connect item with the main plug. The voltage and frequency must exactly be the same

as stated on the device. The power plug must always be inserted without force.

1.3 Cleaning and Maintenance

Please make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

1. Make sure before installing that all screws are tightly connected and not corroded.
2. There must be no deformations on the housings, fixations and installations spots.
3. No damages must be showed on the power supply cables, material fatigue and sediments.

If the device is going to be cleaned, please use moist, lint free cloths. Never use

alcohol or solvents!!

The cooling fan must be cleaned monthly!

To clean the interior of the device please use a vacuum cleaner or an air jet.

We recommend cleaning the lenses weekly to keep the light output as long as possible.

2. User's manual

You are able to use this device in divers operating methods.

DMX Mode – this operating method allows running the device with a customary DMX 512 controller.

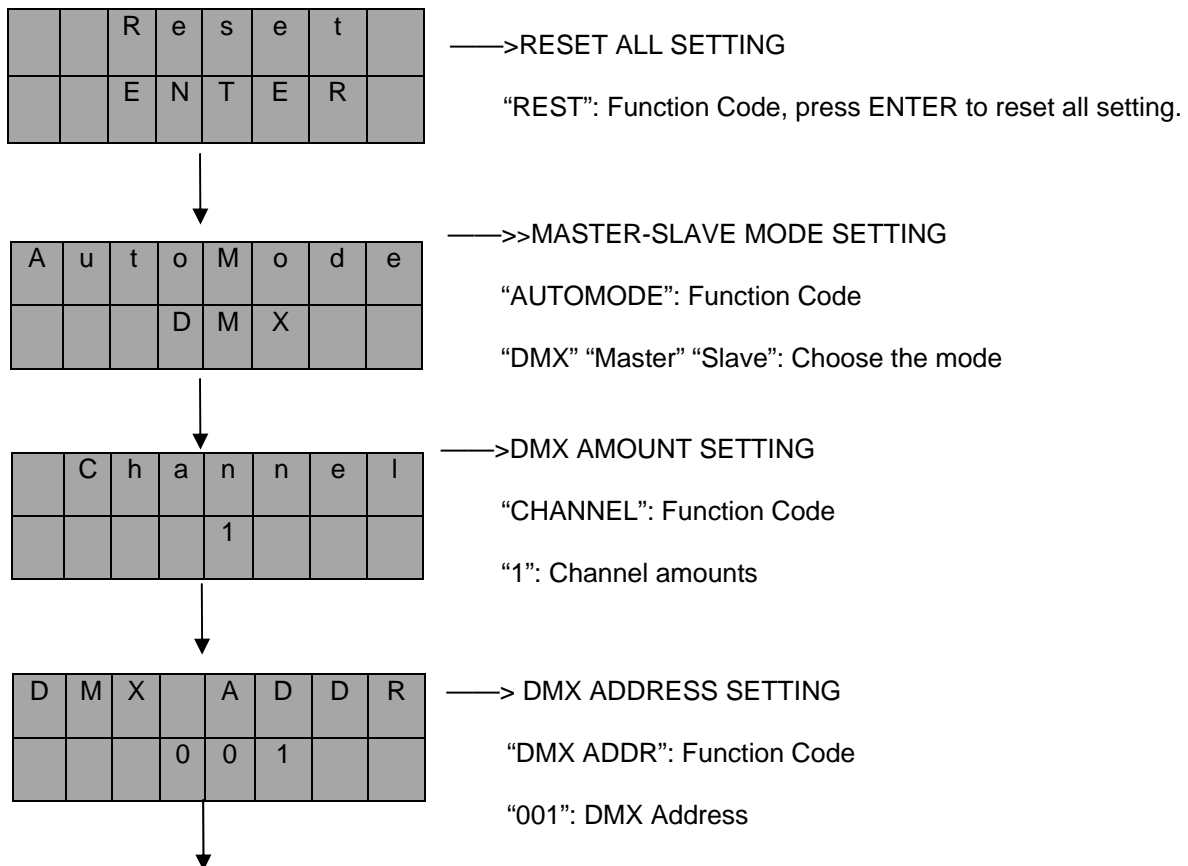
Program Mode – with this operating method, you are able to choose the internal programs

Sound Mode – with this operating mode, the device flashed with the tact of the music

3. MENU Structure

All of the settings are controlled by four buttons: “MODE, Up, Down and Enter”.

Press “MODE” to switch functions (11 functions can be selected):



F	u	n	c	t	i	o	n
			0	1	0		



T	E	M	P		P	C	B
			0	2	8		



			L	C	D		
			O	N			



	R	E	D	-	W	1	
			2	5	5		



G	R	E	E	N	-	W	2
			2	5	5		



B	L	U	E	-	W	3	
			2	5	5		



W	H	I	T	E	-	W	4
			2	5	5		

—>SINGLE MODE SETTING, work only on the situation of

A	u	t	o	M	o	d	e
	M	A	S	T	E	R	

“FUNCTION”: Function Code

“010”: Function number

—>SINGLE MODE SETTING

“TEMP PCB”: Temperature Code

“000”: Show temperature of LED PCB

—>LCD DISPLAY LIGHTING SETTING

“ON”: Function Code, to keep LCD display lighting(default setting);

“OFF”: Function Code, press ENTER in 30 seconds to shut off LCD display lighting

—SINGLE COLOR SETTING

“RED”: 0-255 setting for red color or W1

—SINGLE COLOR SETTING

“GREEN”: 0-255 setting for green color or W2

—SINGLE COLOR SETTING

“BLUE”: 0-255 setting for blue color or W3

—SINGLE COLOR SETTING

“WHITE”: 0-255 setting for amber color or W4

Press the “MODE” then press the “ENTER” to begin your setting. Press “UP” and “DOWN” to switch the modes with the shining Function Code. Be sure to press the “ENTER” button to save your changing, it won't be saved if the button has not been pressed. Moreover, the saving data still exists even after power off and then on.

MASTER SLAVE MODE SETTING

A	u	t	o	M	o	d	e
			D	M	X		

—>Press “MODE” -> “Enter” and Press UP/Down button to setting.

Press “Enter” to confirm the “DMX” condition and forbid the Master Slave Mode.

A	u	t	o	M	o	d	e
	M	A	S	T	E	R	

—>The machine will send signal to all connected slave-machines.

The machine only accepts the signal from the console. And at this situation the below function

F	u	n	c	t	i	o	n
			0	1	0		

A	u	t	o	M	o	d	e
		S	L	A	V	E	

—>Press “MODE” -> “Enter” and Press UP/Down button to setting.

Press “Enter” to confirm the “D” condition and forbid the Master Slave Mode.

Attention: When connecting DMX512 but receiving no signal, the LCD display will flicker.

WHILE IN MASTER-SLAVE MODE, ONLY ONE HOST MACHINE CAN BE EXISTED, IF NOT, IT MAY CAUSE SIGNAL CONFLICTS.

DMX CHANNEL SETTING

	C	h	a	n	n	e	l
				1			

—>Default in CHANNEL 1, DMX Channel: CH. 1

	C	h	a	n	n	e	l
				2			

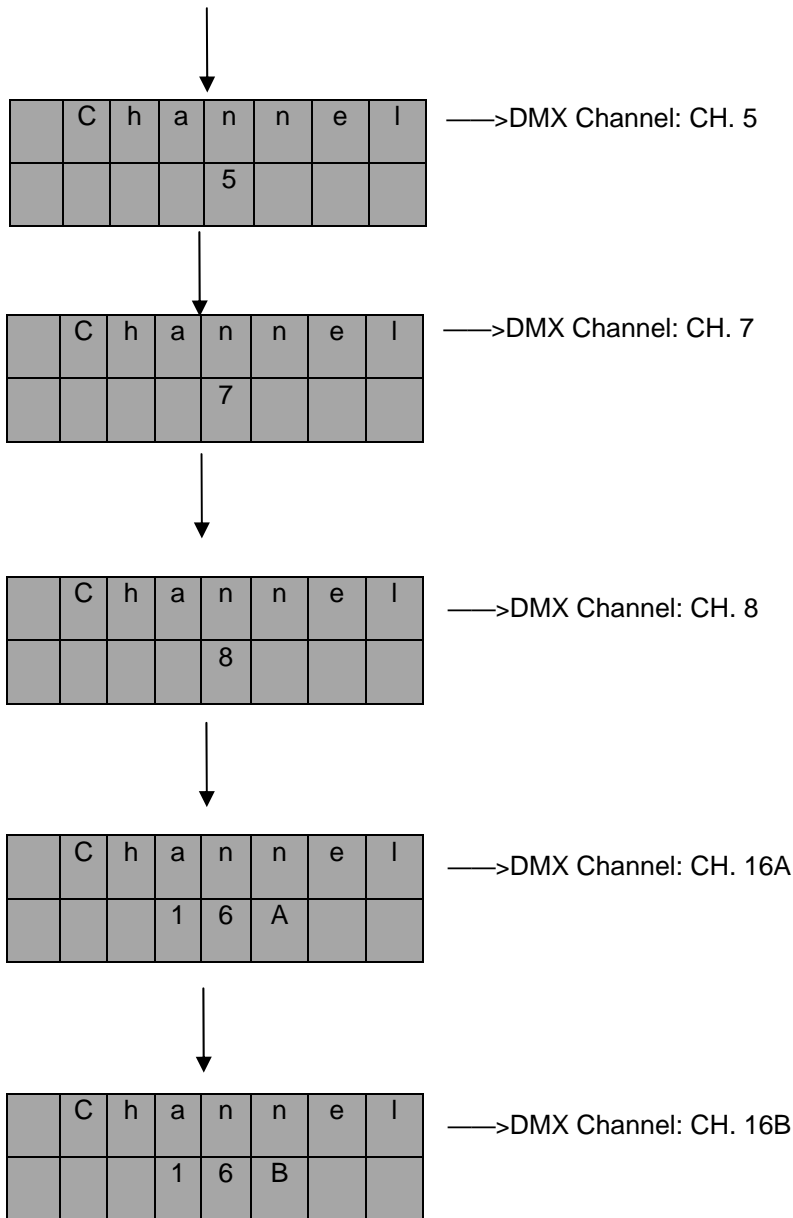
—>DMX Channel: CH. 2

	C	h	a	n	n	e	l
				3			

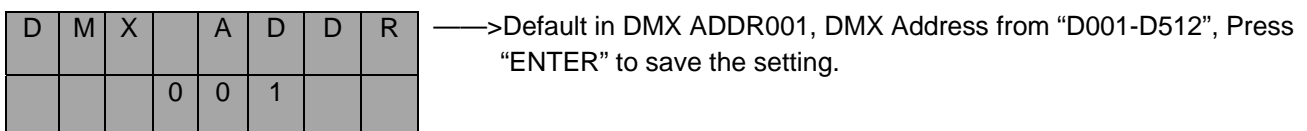
—>DMX Channel: CH. 3

	C	h	a	n	n	e	l
				4			

—>DMX Channel: CH. 4



DMX ADDRESS SETTING



SINGLE MODE SETTING:

F	u	n	c	t	i	o	n
			0	0	0		

—>Press “MODE” to begin your setting, and press “ENTER” to select the mode. Select the UP/DOWN from F010~F120, press “ENTER” to save your setting.

F	u	n	c	t	i	o	n
			0	1	0		

—>SINGLE COLOR MODE, F010~F019, 10 colors, full darkness, Red, Orange, Yellow, Green, Blue, Indigo, Purple, Pink, White

F	u	n	c	t	i	o	n
			0	2	0		

—>FADE IN/OUT: 8 colors changing, Adjust the speed from F020(slow)~F029(fast). (8 colors are from F011 to F018)

F	u	n	c	t	i	o	n
			0	3	0		

—>FADE IN/OUT: 9 colors + dark changing, the color from full brightness to dark, Adjust the speed from F030(slow)~F039(fast). (9 colors are from F011 to F019)

F	u	n	c	t	i	o	n
			0	4	0		

—>FADE IN/OUT WITH STROBE for many times: Adjust the changing color speed from F040(slow)~F049(fast). (8 colors are from F011 to F018)

F	u	n	c	t	i	o	n
			0	5	0		

—>COLOR AUTOMATIC CHANGE: 9 colors changing, Adjust the changing color speed from F050(slow)~F059(fast). (9 colors are from F011 to F019)

F	u	n	c	t	i	o	n
			0	6	0		

—>COLOR JUMP WITH STROBE: when jumping, change to another color. Adjust the changing color speed from F060(slow)~F069(fast). (9 colors are from F011 to F019)

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F	u	n	c	t	i	o	n
			0	7	0		

—>WHITE STROBE: Adjust the speed from F070(slow)~F079(fast)

F	u	n	c	t	i	o	n
			0	8	0		

—>SOUND ACTIVE MODE: Color jump, keep last color with mute. (9 colors are from F011 to F019)

F	u	n	c	t	i	o	n
			0	9	0		

—>SOUND ACTIVE MODE: Color jump, change to F020 in 10 seconds mute, adjust the speed from F090(slow)~F099(fast). (9 colors are From F011 to F019)

F	u	n	c	t	i	o	n
			1	0	0		

—>SOUND ACTIVE MODE: Color jump and Strobe. Adjust the strobe speed from F100(slow)~F109(fast). Shut down the light in 5 seconds mute. (9 colors are from F011 to F019)

F	u	n	c	t	i	o	n
			1	1	0		

—>FADE IN/OUT and STROBE: Adjust the speed of fade in/out by F020 and the strobe speed from F110(slow)~F119(fast). (9 colors are from F011 to F019)

F	u	n	c	t	i	o	n
			1	2	0		

—>RGBA mixed white color

TEMPERATURE CONTROL

T	E	M	P		P	C	B
			0	2	8		

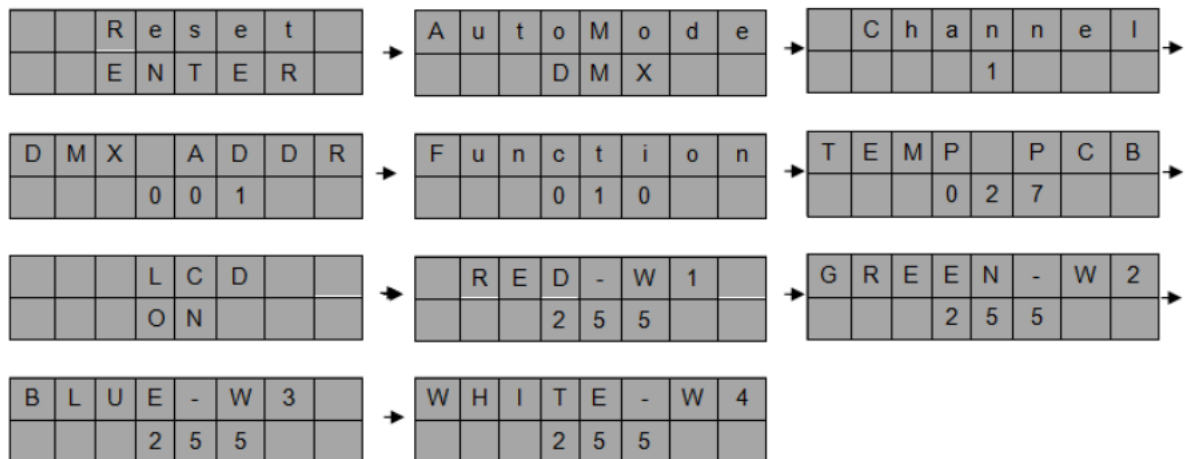
—> When the temperature reaches to 70 degree, the device stops to work. While, it falls down to 50 degree, the device begin to work and keep the data you stored before.

RESET TO DFAULT

		R	e	s	e	t	
		E	N	T	E	R	

——>RESET TO DEFAULT: Press “ENTER” to reset all setting.

Default as following:

**MASTER-SLAVE MODE:**

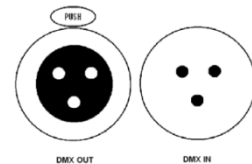
Controlled by DMX512 console. The machine accepts DMX512 signals and DMX dimming Signals.

4. DMX MODE

(Display flashes, if no DMX signal is connected)

Connect the signal output of your DMX controller to the XLR - socket of your device.

You are able to connect further DMX devices at the XLR - out

**DMX Table**

MODE1 : 1 Channel

DMX Channel	DMX Value	Specification
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1. R, G, B, A Dimming	1~255	Adjust LEDs dimmer low to high
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MODE2 : 2 Channel

DMX Channel	DMX Value	Specification
1. R, G, B, A Dimming	1~255	Adjust LEDs dimmer low to high
2. STROBE	1~255	Adjust strobe low to high

MODE3 : 3 Channel

DMX Channel	DMX Value	Specification
1. R, G, B, A Dimming	1~255	Adjust LEDs dimmer low to high
2. STROBE	1~255	Adjust strobe low to high
3. Linear and curve lighting option	0~70	Linear
	71~255	Curve

MODE4 : 4 Channel

DMX Channel	DMX Value	Specification
1. R, G, B Dimming	1~255	Adjust LEDs dimmer low to high
2. Red Dimming	1~255	Adjust LEDs dimmer low to high
3. Green Dimming	1~255	Adjust LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust LEDs dimmer low to high

MODE5: 5 Channel

DMX Channel	DMX Value	Specification
1. R, G, B, A Dimming	1~255	Adjust LEDs dimmer low to high

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2. Red Dimming	1~255	Adjust LEDs dimmer low to high
3. Green Dimming	1~255	Adjust LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust LEDs dimmer low to high
5. Amber Dimming	1~255	Adjust LEDs dimmer low to high

MODE6 : 7 Channel

DMX Channel	DMX Value	Function
1. R, G, B Dimming	1~255	Turn on the light and R, G, B Dimming and color is controlled by CH2, 3, 4
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. STROBE	1~255	Adjust strobe low to high (the color is controlled by CH2-CH4).
6. Linear and curve lighting option	0~70	Linear
	71~255	Curve
7. Default Functions	0-70	CH1-CH5
	71~80	FADE IN/OUT: 8 colors changing, Speed is adjusted by CH.5 (8 colors from F011 to F018)
	81~100	FADE IN/OUT: 9 colors changing, the color from brightness to dark, Speed is adjusted by CH.5 (9 colors from F011 to F019)
	101~120	FADE IN/OUT WITH STROBE: 8 colors changing, Speed is adjusted by CH.5 (8 colors from F011 to F018)

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	121~140	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.5, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	141~160	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.5, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	161~180	WHITE STROBE, Speed is adjusted by CH.5, Brightness is adjusted by CH.1
	181~200	SOUND ACTIVE MODE: Color jump, keep last color with mute, Brightness is adjusted by CH.1 (9 colors from F010 to F018)
	201~220	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.5 (9 colors from F011 to F019)
	221~240	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.5, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	241~255	FADE IN/OUT AND STROBE, Strobe speed is adjusted by CH.5

Mode 7 : 8 Channel

DMX Channel	DMX Value	Function
1. R, G, B, A Dimming	1~255	Turn on the light and R, G, B, A Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high

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4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. Amber Dimming	1~255	Adjust amber LEDs dimmer low to high
6. STROBE	1~255	Adjust strobe low to high(the color is controlled by CH2-CH5).
7. Linear and curve lighting option	0~70	Linear
	71~255	Curve
8. Default Functions	0-70	CH1-CH6
	71~80	FADE IN/OUT: 8 colors changing, Speed is adjusted by CH.6 (8 colors from F011 to F018)
	81~100	FADE IN/OUT: 9 colors changing, the color from brightness to dark, Speed is adjusted by CH.7 (9 colors from F011 to F019)
	101~120	FADE IN/OUT WITH STROBE: 8 colors changing, Speed is adjusted by CH.6 (8 colors from F011 to F018)
	121~140	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	141~160	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	161~180	WHITE STROBE, Speed is adjusted by CH.6, Brightness is adjusted by CH.1
	181~200	SOUND ACTIVE MODE: Color jump, keep last color with mute, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	201~220	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.6 (9 colors from F011 to F019)

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	221~240	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F010 to F018)
	241~255	FADE IN/OUT AND STROBE, Strobe speed is adjusted by CH.6

Mode 8 : 16A Channel

DMX Channel	DMX Value	Function
1. R, G, B Dimming	1~255	Turn on the light and R, G, B Dimming and color is controlled by CH2, 3, 4
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. STROBE	1~255	Adjust strobe low to high(the color is controlled by CH2-CH4).
6. Linear and curve lighting option	0~70	Linear
	71~255	Curve
7. FADE IN/OUT	1~255	8 colors changing, Speed is adjusted by CH.7 (8 colors from F011 to F018, without white color)
8. FADE IN/OUT	1~255	9 colors changing, the color from brightness to dark, Speed is adjusted by CH.8 (9 colors from F011 to F019)
9. Auto Strobe & Color Change	1~255	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.9, Brightness is adjusted by CH.1
10. Auto Color Change	1~255	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.10, Brightness is adjusted by CH.1

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11. Sound Active & Color Change & Fade in/out	1~255	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.11 Brightness is adjusted by CH.1
12. Sound Active & Color Change	1~255	SOUND ACTIVE MODE: Color jump, keep last color with mute, 9 colors change, Brightness is adjusted by CH.1
13. Sound Active & Strobe & Color Change	1~255	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.13, 9 color change, Brightness is adjusted by CH.1
14. FADE IN/OUT & STROBE (strobe speed adjustable)	1~255	STROBE speed is adjusted by CH.14
15. FADE IN/OUT & STROBE (Fade in/out speed adjustable)	1~255	FADE IN/OUT speed is adjusted by CH.15
16. MIXED WHITE STROBE	1~255	RGB mixed white strobe, speed is adjusted by CH.16, Brightness is adjusted by CH.1

Mode 9 :16B Channel

DMX Channel	DMX Value	Function
1. R, G, B, A Dimming	1~255	Turn on the light and R, G, B , A Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. Amber Dimming	1~255	Adjust amber LEDs dimmer low to high

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6. STROBE	1~255	Adjust strobe low to high(the color is controlled by CH2-CH5).
7. Linear and curve lighting option	0~70	Linear
	71~255	Curve
8. FADE IN/OUT	1~255	8 colors changing, Speed is adjusted by CH.8 (8 colors from F011 to F018, without white color)
9. Auto Strobe & Color Change	1~255	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.9, Brightness is adjusted by CH.1
10. Auto Color Change	1~255	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.10, Brightness is adjusted by CH.1
11. Sound Active & Color Change & Fade in/out	1~255	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.11 Brightness is adjusted by CH.1
12. Sound Active & Color Change	1~255	SOUND ACTIVE MODE: Color jump, keep last color with mute, 9 colors change, Brightness is adjusted by CH.1
13. Sound Active & Strobe & Color Change	1~255	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.13, 9 color change, Brightness is adjusted by CH.1
14. FADE IN/OUT & STROBE (strobe speed adjustable)	1~255	STROBE speed is adjusted by CH.14
15. FADE IN/OUT & STROBE (Fade in/out speed adjustable)	1~255	FADE IN/OUT speed is adjusted by CH.15
16. MIXED WHITE STROBE	1~255	RGBA mixed white strobe, speed is adjusted by CH.16, Brightness is adjusted by CH.1

6. Technical Data

1. 1,2, 3, 4, 5, 7, 8, 16A, 16B DMX channels selectable
2. Sound controlled via built-in microphone
3. Adjustable sound sensitivity
4. Function: Color mix, automatic color change, built-in program and strobe effect with adjustable speed, dimmer, master/slave
5. LCD display, easy for understand.
6. Full DMX512 control
7. With Safety loop
8. 3PIN/5PIN XLR Input & Output; POWERCON IN/OUT
9. 48 x 3W RGBA LEDs
10. Power Max 150W
11. Power Input AC 100-240V, 50/60Hz
12. Weight : 5.7kgs (L*W*H = 406 x 166 x 343.70mm)