



Model: YPS AM1000IP

Name: LED1000W Moving Head Profile Light IP66

Unpacking

Thank you for choosing our **AM1000IP**. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile please keep this manual well for future needs.

AM1000IP is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and connected with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos etc.

please check whether the following items are included inside the box:

AM1000IP	1
Power Cable (1.5M length, 2.5mm ² , Seetronic)-----	1
DMX cable(1.5M length, Seetronic)-----	1
Hanging Bracket-----	2
Mega Clamp-----	2
User Manual-----	1

Specifications:

Rated voltage: AC100-240V, 50 / 60Hz

Power: 1,200 W

Light source: 1000W LED white transferable engine

Light source life: 20,000 hours

Color temperature: 7500K

CRI: 70, (80 / 90 finger)

Zoom: using high precision glass lens, 5.5°~50° linear high-speed zoom, any range of uniform spot

Prism: 1 six prism can rotate at bi-directional variable speed

Frame system: A set of comprehensive graphics cutting system, can generate different sizes and shapes of geometry, graphics can be 0° -120° any Angle rotation.

IRIS: 5-100% linear adjustment, with a variety of macro function effects

Atomization: 2 independent atomizers

Rotate gobo wheel: 1 rotating pattern disk has 7 optional pattern pieces, variable speed jitter and two-way rotation, pattern rotation with 16 Bit precision fine-tuning.

Fix gobo wheel: 1 fixed pattern disk has 9 optional pattern pieces, variable speed jitter and two-way rotation.

Animation gobo wheel: 1 dynamic effect disk, can simulate the flame, running water and other dynamic effects.

Color wheel: 2 color plate plate has 10 kinds of color plate, can achieve two-way rainbow effect, half color and linear adjustment.

C M Y: Matless mixed color

C T O: linear color temperature regulation

Strobe: 1-25Hz per second fast electronic strobe, with pulse strobe, synchronous asynchronous strobe effect

Dimming: 0-100% linear dimming

Display: color 2.8-inch touch display, Chinese and English can be switched at will

Pan move: horizontal angle 540° (16 BIT precision fine-tuning), automatic error correction

Tilt move: vertical Angle 270° (16 BIT precision fine tuning), can automatically error correction

Control mode: DMX512, RDM, self-travel, voice control, scene, master/slave, optional wireless transmission

DMX channel: 42 / 43 / 49 / 50 channel

Protection level: IP66

Net weight: 32kg

Lighting size: 38 * 35 * 80 cm

Gross weight: 36kg (carton)

Packaging size: 88.5 * 46.5 * 36.5 cm (carton)

Notes and installation

1. tending

- This lamp shall be kept dry to avoid working in a wet environment.
- Intermittent use will effectively prolong the life of this lamp.
- In order to achieve good ventilation and lighting effects, pay attention to regularly clean the fans, fan nets and lenses.
- Do not wipe the shell of lamps with organic solvents such as alcohol to avoid damage.

2. statement

This product in the factory, the performance of intact, complete packaging. All users shall strictly comply with the warnings and operating instructions stated above, any damage caused by misuse is not covered by the Companys warranty and the faults and problems caused by the neglect of the operating manual.

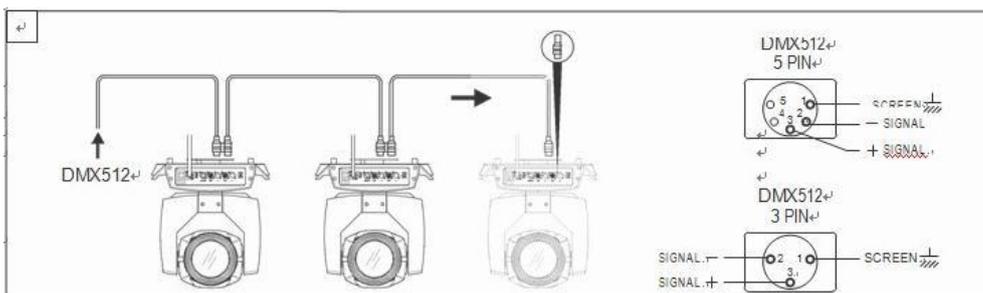
This manual is subject to technical changes without prior notice.

3. Precautions for products

- In order to ensure the service life of the product, the product should not be placed in a wet or leaky place, nor to work in the temperature above 60 degrees
- Do not place the product in a place that is easy to loosen or vibrate.
- In order to avoid the danger of electric shock, this product.
- When the bulb is used, the voltage change of the power supply should not exceed $\pm 10\%$. If the voltage is too high, it will shorten the life of the bulb. If the voltage is too low, it will affect the light color of the bulb.
- After power failure, it takes 20 minutes to use the lamp to cool adequately before energizing again.
- To ensure the normal use of this product, please read the instructions carefully. Signal line connection (DMX)

Use specification compliant RS-485 cable: with shielding, 120 ohm characteristic impedance, 22-24 AWG, low tolerance. Do not use microphone cables or cables with different specified characteristics. The terminals must have a 3-or 5-pin XLR male / female connector.(Minimum of 1 / 4 W).

Important: The ines shall not contact each other or with the metal shell.



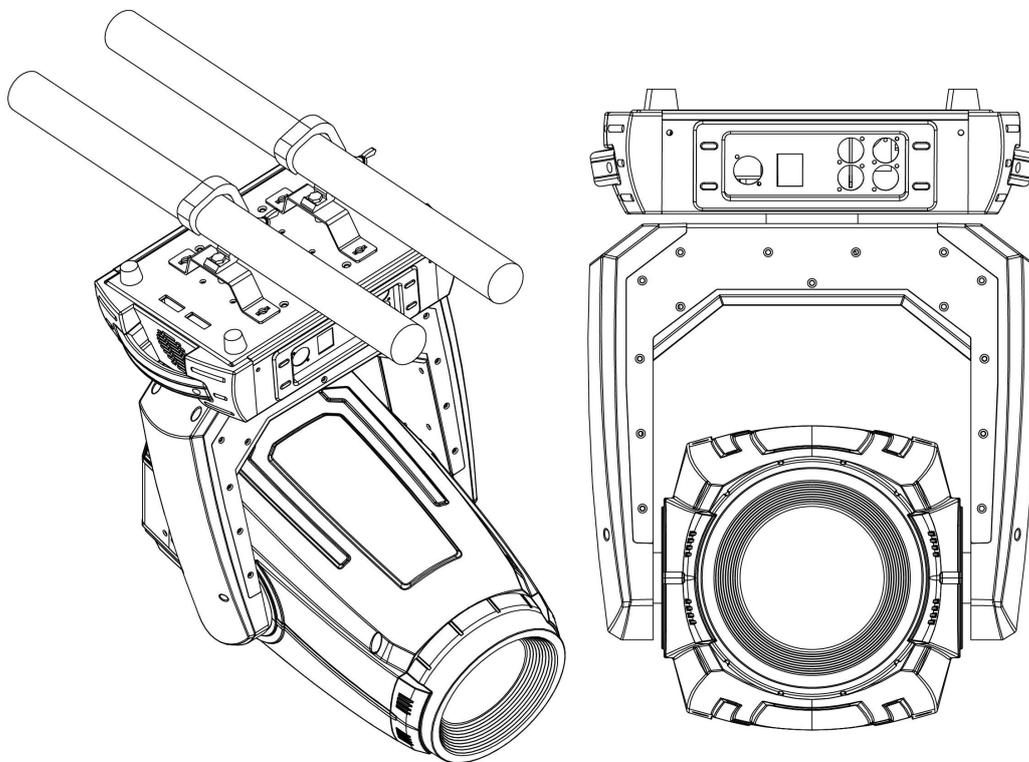
4. Lighting installation

Lamps can be placed horizontally, oblique and upside down. When oblique and hanging, we must pay attention to the installation method.

in compliance with graph 2As shown, before the positioning of the lamp, to ensure the stability of the installation site, in the reversal of the hanging installation, must ensure that the lamp does not fall off the support frame, need to use a safety rope through the support frame and the lamp handle for auxiliary hanging, to ensure safety,. Prevent the lamps from falling and sliding.

When the lamps are installed and tested, pedestrians are not allowed to pass below. Regularly check whether the safety rope is worn and whether the hook screws are loose.

Our company shall not bear any responsibility for all the consequences caused by the unstable installation of the hanging and the lamp falling.



Panel operation

1. summary

The lamp panel diagram as graph 3A is shown, the above title shows the name of the lamp, below is the status bar, showing the signal of the current lamp, bulb status, fault (when the fault information is not viewed, display "ERR", otherwise display "NOR"), etc.

This lamp supports DMX / RDM protocol. When the lamp is searched by the RDM host, three letters "RDM" will appear in the panel, indicating that the lamp is enumerated normally.

Display and operation similar to "Android operating system", with the fingertip or blunt hard objects click the corresponding item can operate.

Note: Do not use sharp or sharp display to prevent damage.



graph3A Schematic representation of the display panel

2. operate

1. Operating the lamp with an intuitive touch or encoder

- The left area is the TFT display area and touch area. Click the content of the panel with fingers or blunt surface hardware, or parameter setting or view status can be completed.
- The right area is the auxiliary input. If the touch function without TFT, you can use the auxiliary input to select the items to be set or viewed to complete the operation.

2. Parameter numerical input

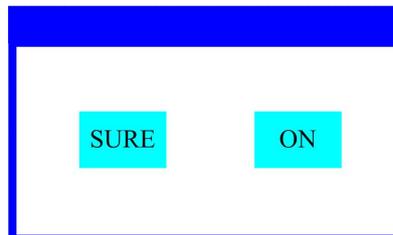
When the selected parameter item requires an input value, it is open e. g graph 4The window shown:



- **Set the value:** you can directly pull the slider bar to quickly set the required value, or you can click the "up" or "down" button on the right to accurately set the required value for setting;
- **Application value:** When the data is set by the "up" or "down" button, then press the "app" application button in the lower left corner, the value is sent to the lamp immediately, but the value is not saved;
- **Save the value:** at any time, click the "OK" key in the lower right corner, that is, save the current value to the internal memory, the next boot to apply the saved value to the lamp.

3. Set the Boolean value parameter

- When the set parameter is Boolean (such as ON or OFF), directly click the corresponding item to switch the parameter value, which will be saved to the internal memory. Press the parameter option on the right, and the corresponding option turns gray. When releasing the hand, the corresponding parameters are changed and saved. If you press the parameter option is not the parameter you want to change, you can move your finger to the rest of the screen and the corresponding parameters will not change.
- The determination of the important Boolean parameters is set through the determination window, as followsgraph 5As shown:



4. Sub page (parameter)



图6 功能页面

3. Functional operation and parameter setting

Enter the setting interface, as shown in Figure 6:

- In the main interface, you can enter the corresponding parameter setting interface by selecting six buttons.
- In the parameter setting interface, you can press the left blue option to quickly switch to the other setting interfaces.

1. Set up the DMX address code

The DMX address and channel mode of the lamp can be set on the page as shown in Figure 6-1.

The menu setting of the lamp optimizes the setting of the address, and the address code operation is as follows:



- Select "Last" or "Next", the lamp will automatically calculate the address code of the next or last one according to the current address code and channel data, which can be quickly set up;
- Click the address code value to enter the value editing window, where any valid address code, the lamp can automatically obtain the current number of channels of the lamp, and automatically filter the unusable address code (512-current number of channels).
- The lamp supports the RDM protocol, and the lamp address code can be set remotely through the RDM.

Provide two push-buttons:

- Channel mode: different channel modes can be selected periodically;
- Lamp reset: reset all motors.

2. Set up the lamp working mode

Through the page shown in Figure 6-2, the operation mode of the lamp and the four operation modes of the lamp support (DMX mode, self-walking mode, voice control mode and scene mode) can be set. Please refer to the previous section for detailed parameter value setting. Specific parameter description is shown in the following table:

地址设置	DMX模式	✓
运行设置	自走模式	
显示设置	声控模式	
场景设置	场景模式	自动
高级信息	主从选择	自动
状态信息		
退出		

running mode

DMX pattern	The console mode, receive DMX signal, RDM signal	
Self-walking mode	The lamp runs automatically according to the built-in program	
Sound control mode	When the lamp detects a strong sound, the lamp automatically runs a scene according to the built-in program, otherwise maintain the last scene	
Scene mode: 01	Run as a set scene, and support custom editing for up to 10 scenes	
	1~10	Outputs the specified scene
	voluntary	Automatically output the scene in the set scene time (non-0) order, and the scene with time 0 is automatically skipped and ignored
Master from choice	When the non-DMX mode works, select the data output mode, the lamp automatically detects the DMX state and automatically switches the output to prevent data conflict	
	slave	Lamp operate as built-in, no output data (not synchronized with other lamps)
	main engine	The lamp runs as built-in, if DMX has no signal, output data (synchronization), otherwise no data output
	voluntary	If the DMX has no signal, the lamp operates as built in, otherwise, the lamp works with the DMX signal

Scene mode is suitable for a single set or a small number of lamps, only need to output a fixed scene, or need to run a simple program, can be edited in the scene page without connecting the console.

If the light source is a bulb, wait 10 minutes before turning the bulb off.

3, Panel display settings

地址设置	Language	中文
运行设置	屏幕保护	模式3
显示设置	屏幕旋转	自动
场景设置	DMX指示	模式3
高级信息	信号指示亮度	005
状态信息	屏幕背光	005
退出	触屏开关	开启
	触屏校正	

The lamps support Both Chinese and English, inverted display, etc. Enter the

corresponding parameter setting as shown in Figure 6-3. The specific menu contents are shown in the following table:

Display settings

language	Set up the language of the display	
	English	English display
	the Chinese language	Chinese display
Screen protection	Set the display content or mode of the screen after the screen has no operation within 30 seconds	
	close	Keep the last operation page, and light up the screen
	pattern 1	Out of the screen
	pattern 2	Black screen, showing the address code of the current lamp in the lower left corner
	pattern 3	Displays the trademark information, address code and operation mode
Screen rotation	Set the display direction of the screen	
	opposite direction	Reverse display
	forward direction	No reversal is shown
	voluntarily	Automatically detect the direction of lamp and automatically switch the display direction
DMX indicate	Set the indication mode of the DMX signal indicator light	
	pattern 1	When the signal is bright, and when there is no signal, go out
	pattern 2	Out when signal, bright when no signal
	pattern 3	Blink when signal, extinguish when no signal
The signal indicates brightness	Set the brightness of the signal indicator light	
	1~10	Ten grades
Screen backlight	Set the brightness of the screen backlight after 10 seconds of no operation, full bright during operation	
	1~10	Ten grades
Touch screen switch	Select whether to disable the touch screen. When the screen touch is accidentally damaged, please disable the touch function and set the lamp with auxiliary input	
Touch correction	When the screen touch is not accurate, you can enter the correction page correction screen	

Lamps that support touch operation. If the bad touch phenomenon occurs, you can enter the correction page to reset the touch accuracy of the touch screen. Under normal circumstances, please do not enter this page. If the touch is damaged, select Disable the Touch function.

3. Scene mode



graph 6-4

Entering the page shown in Figure 6-4, the lamp enters the scene editing mode. Under this page, the lamp does not receive DMX console data, and the edited data is immediately reflected on the lamp.

The content of the page depends on the currently selected channel, and the channel content and order displayed are consistent with the lamp channel table. Through this page, 10 scenarios can be edited, as shown in the following table:

Scene mode

Scenario selection	Select the current required action scenario	
	1~10	The 10 scene settings
Scene time	Sets the retention time of the current scene in 0.1 seconds	
	0	The current scene does not participate in the automatic scene output
	1-255	From 0... 1 seconds to 25.5 seconds
1.X axis	0-255	Set the data of each channel, the display content and sequence correspond to the channel table of the lamp
.....	0-255	
.....	0-255	
N. for reset / function	0-255	

If the effective reset data is edited in the reset channel in the scene, the lamp will reset, but after reset, the value of the corresponding reset channel will automatically reset to prevent multiple consecutive reset.

On this page, you can get the current channel table order of the lamp. Please refer to the detailed channel description for the specific channel data.

4. Set the working parameters of the lamp

地址设置	X轴反向	关闭
运行设置	Y轴反向	关闭
显示设置	光耦校正	开启
场景设置	X轴偏移量	010
高级信息	Y轴偏移量	010
状态信息	数据保持	关闭
退出	出厂设置	

graph 6-5

Enter the page shown in Figure 6-5, adjust the field parameters of lamps, and facilitate the field installation of lamps:

advanced setup

X axis reverse	Set the X-axis rotation direction	
	close	Dont reverse
	open	opposite direction
Y axis reverse	Set the Y-axis rotation direction	
	close	Dont reverse
	open	opposite direction
Optical coupling correction	Set whether the lamp detects XY misstep and correct	
	close	Position is not corrected after a misstep
	open	Position is automatically corrected after loss of step
X-axis offset	Set the position of the lamp	
	4-150	
Y axis offset	Set the position of the Y axis of the lamp	
	4-48	
data-hold	Set the output status of the lamp when the lamp has no DMX signal	
	close	There is no signal, so the motor and the light source return to the position and state when the reset is complete
	open	No signal, keeping the last frame of the DMX data output
Factory setting	The confirmation box pops up. After selecting "SURE", the lamp parameters return to the factory settings	

When the lamp cannot correct the position, first check whether the optical coupling correction is closed.

When the signal is removed, if the lamp position is not output as intended, check the Data Hold setting first.

When setting the XY offset, after completing the setting, please control the XY with the maximum stroke to check the setting, XY will not hit the positioning rod or shell.

5. View the current status of the lamp



Entering the page shown in Figure 6-6, you can view the information and real-time status of the lamp to know the use status of the lamp. If the lamp needs after sale, please provide the status information displayed on the page as the judgment basis, as shown in the following table:

status information

Motor information	Display the information status of all motors and signals in the lamp	
	Hoare	Not shown, means the motor has not Hall corrected, 0 means the motor leaves the correction position point, and 1 means the motor is at the correction position point
	state	Show the motor reset completion state
	X axle	Displays the real-time position value of the X-axis optical coupling feedback
	Y axle	Display the real-time position value of the Y-axis optical coupling feedback
	optocoupler	Show the level state of X and Y axis, binary
Fault / status record	Show the last 8 fault records during lamp reset and operation	
	fault data	Total number of faults detected after power-on
	12: :03	Power time in minutes
	Hall fault	The corresponding motor does not detect an effective Hall signal when the motor is reset
	Hall short circuit	The Hall signal of the motor detected at the corresponding motor reset is always valid
	Optical coupling failure	No effective photocoupling signal is detected when the corresponding motor is reset
	fall out step	The corresponding motor loses its step during operation
	Crash rod	Cragainst the positioning lever when the motor is reset
	Bulb failure	Light bulb accidentally extinguished
	Sensor failure	Temperature sensor signal is abnormal,
Fan fault	The main fan is not working properly	
Lighting status	Displays the critical status data for the current lamp for reference	
	communication	0~100%, the communication quality of the data link within the lamp
	Communication	The number of error frames detected after power, accumulated

	error count	
	Light source temperature	Show the temperature of the current light source, "- - -" indicates no detection
	Display plate temperature	Displays the temperature of the current display board or the nearby ambient temperature
	Sensor 1 temperature	Display the current motherboard temperature
	Sensor 2 temperature	Displays the ambient temperature of the current motherboard installation location
edition	Display the information and version of current lamps and an important reference for after-sales maintenance	
	manufacturer	manufacturer
	equipment	Name of lamp, same to equipment information of RDM
	model	Model of lamp, same as model information of RDM
	display board	Firmware version and serial number of the display board
	Main board 1	Firmware version and serial number of the motherboard 1
Light source time	Record the total accumulative time of the light source, as a reference for regular maintenance of the light source	
Lamps time	Record the total cumulative time of lamp opening, unit minutes, do not clear	

Channel description

channel 49	channel 42	channel 50	channel 43	name	value	description
[CH1]	[CH1]	[CH1]	[CH1]	X axle	0-255	0-540 degrees
[CH2]	[CH2]	[CH2]	[CH2]	X axis fine-tuning	0-255	0-2 Degrees
[CH3]	[CH3]	[CH3]	[CH3]	Y axle	0-255	0-270 degrees
[CH4]	[CH4]	[CH4]	[CH4]	Y axis fine-tuning	0-255	0-1 degrees
[CH5]	[CH5]	[CH5]	[CH5]	XY velocity	0-255	From fast to slow
[CH6]	[CH6]	[CH6]	[CH6]	RESET / function		
					0-139	NF
					140-149	Reset the XY motor after 6 seconds
					150-199	Return the effect motor after 6 seconds
					200-209	Return to the whole lamp after 6 seconds
210-255	NF					
[CH7]	[CH7]	[CH7]	[CH7]	empty	0-255	
[CH8]	[CH8]	[CH8]	[CH8]	empty	0-255	
[CH9]	[CH9]	[CH9]	[CH9]	empty	0-255	
[CH10]	[CH10]	[CH10]	[CH10]	colour wheel 1		
					0-127	Linear color
					128-129	white light
					130-141	Color 1
					142-153	Color 2
					154-165	Color 3
					166-177	Color 4
					178-189	Color 5
					190-215	From fast to slow reverse flow water
216-217	cease					

					218-255	From slow to fast forward flowing water
[CH11]		[CH11]		Color wheel 1 fine-tuning	0-255	
[CH12]	[CH11]	[CH12]	[CH11]	Color wheel 2		
					0-127	Linear color
					128-129	white light
					130-141	Color 1
					142-153	Color 2
					154-165	Color 3
					166-177	Color 4
					178-189	Color 5
					190-215	From fast to slow reverse flow water
					216-217	cease
					218-255	From slow to fast forward flowing water
[CH13]		[CH13]		Color wheel 2 fine-tuning	0-255	
[CH14]	[CH12]	[CH14]	[CH12]	CMY-Cyen	0-255	
[CH15]	[CH13]	[CH15]	[CH13]	CMY-Magenta	0-255	
[CH16]	[CH14]	[CH16]	[CH14]	CMY-yellow	0-255	
[CH17]	[CH15]	[CH17]	[CH15]	CTO	0-255	
		[CH18]	[CH16]	Green correction	0-255	
[CH18]	[CH16]	[CH19]	[CH17]	obligate	0-255	
[CH19]	[CH17]	[CH20]	[CH18]	rainbow	0-255	
[CH20]	[CH18]	[CH21]	[CH19]	CMY speed	0-255	
[CH21]	[CH19]	[CH22]	[CH20]	Animation wheel speed	0-255	From fast to slow
[CH22]	[CH20]	[CH23]	[CH21]	Animation		

				wheel	0-127	Effect cut in
					128-255	Switswitch with white light
[CH23]	[CH21]	[CH24]	[CH22]	Animation effect	0	
					1-127	From fast to slow reverse flow water
					128	cease
					129-255	From slow to fast forward flowing water
[CH24]	[CH22]	[CH25]	[CH23]	empty	0-255	
[CH25]	[CH23]	[CH26]	[CH24]	Fix Gobo wheel		
					0-8	white light
					9-17	Pattern 1
					18-26	Pattern 2
					27-35	Pattern 3
					36-44	Pattern 4
					45-53	Pattern 5
					54-62	Pattern 6
					63-71	Pattern 7
					72-80	Pattern 8
					81-91	Pattern 9
					92-103	From slow to fast jitter pattern 1
					104-115	From slow to fast jitter pattern 2
					116-127	From slow to fast jitter pattern 3
					128-139	From slow to fast jitter pattern 4
					140-151	From slow to fast jitter pattern 5
					152-163	From slow to fast jitter pattern 6
					164-175	From slow to fast jitter pattern 7
					176-187	From slow to fast jitter pattern 8
					188-199	From slow to fast jitter pattern 9
	200-201	white light				
	202-222	From fast to slow reverse flow water				
	223-255	From slow to fast forward flowing water				

[CH26]	[CH24]	[CH27]	[CH25]	Rotate gobo wheel		
					0-3	white light
					4-7	Pattern 1
					8-11	Pattern 2
					12-15	Pattern 3
					16-19	Pattern 4
					20-23	Pattern 5
					24-27	Pattern 6
					28-31	Pattern 7
					32-35	Pattern 1
					36-39	Pattern 2
					40-43	Pattern 3
					44-47	Pattern 4
					48-51	Pattern 5
					52-55	Pattern 6
					56-59	Pattern 7
					60-69	From slow to fast jitter pattern 1
					70-79	From slow to fast jitter pattern 2
					80-89	From slow to fast jitter pattern 3
					90-99	From slow to fast jitter pattern 4
					100-109	From slow to fast jitter pattern 5
					110-119	From slow to fast jitter pattern 6
					120-129	From slow to fast jitter pattern 7
					130-139	From slow to fast jitter pattern 1
					140-149	From slow to fast jitter pattern 2
					150-159	From slow to fast jitter pattern 3
					160-169	From slow to fast jitter pattern 4
					170-179	From slow to fast jitter pattern 5
					180-189	From slow to fast jitter pattern 6
					190-199	From slow to fast jitter pattern 7

					200-221	From fast to slow reverse flow water
					222-223	cease
					224-255	From slow to fast forward flowing water
[CH27]	[CH25]	[CH28]	[CH26]	Disc rotation	0-255	0-360 degrees
					1-127	From fast to slow forward flowing water
					128	cease
					129-255	From slow to fast, the reverse flow of water
[CH28]		[CH29]		Rotate gobo fine-tuning	0-255	
[CH29]	[CH26]	[CH30]	[CH27]	Prism 1	0-19	not have
					20-255	Insert prism 1
[CH30]	[CH27]	[CH31]	[CH28]	Prism rotation	0-127	0-360 degrees
					128-190	From fast to slow forward flowing water
					191-192	cease
					193-255	From slow to fast, the reverse flow of water
[CH31]	[CH28]	[CH32]	[CH29]	Atomization	0-9	not have
					10-127	Fog 1
					128-255	Fog 2
[CH32]	[CH29]	[CH33]	[CH30]	IRIS	0-255	
[CH33]		[CH34]		IRIS fine-tuning	0-255	
[CH34]	[CH30]	[CH35]	[CH31]	ZOOM	0-255	down to
[CH35]		[CH36]		ZOOM fine-tuning	0-255	
[CH36]	[CH31]	[CH37]	[CH32]	Focus	0-255	From far to near
[CH37]		[CH38]		Focus tuning	0-255	
[CH38]	[CH32]	[CH39]	[CH33]	FRAME rotation	0-255	

[CH39]	[CH33]	[CH40]	[CH34]	Sections 1	0-255	
[CH40]	[CH34]	[CH41]	[CH35]	Sections 2	0-127	
					128	opening the light
					129-255	
[CH41]	[CH35]	[CH42]	[CH36]	Sections 3	0-255	
[CH42]	[CH36]	[CH43]	[CH37]	Sections 4	0-127	
					128	opening the light
					129-255	
[CH43]	[CH37]	[CH44]	[CH38]	Sections 5	0-255	
[CH44]	[CH38]	[CH45]	[CH39]	Sections 6	0-127	
					128	opening the light
					129-255	
[CH45]	[CH39]	[CH46]	[CH40]	Sections 7	0-255	
[CH46]	[CH40]	[CH47]	[CH41]	Sections 8	0-127	
					128	opening the light
					129-255	
[CH47]	[CH41]	[CH48]	[CH42]	Strobe	0-31	Guan Guang
					32-63	opening the light
					64-95	From slow to fast pulse frequency strobe
					96-127	opening the light
					128-159	From slow to fast gradual conversion flash
					160-191	opening the light
					192-223	From slow to fast to random frequency strobe
					224-255	opening the light
[CH48]	[CH42]	[CH49]	[CH43]	Dimming	0-255	With 0-100% dimming
[CH49]		[CH50]		Dimming fine-tuning	0-255	

Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights:

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each month.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions". Should you need any spare parts, please order genuine parts from your local dealer.

Safety Instructions



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must be carried out by a qualified person.

The device shall only be used with rated voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

