

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 week.

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.

4. Frequent cleaning. 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

color'sage

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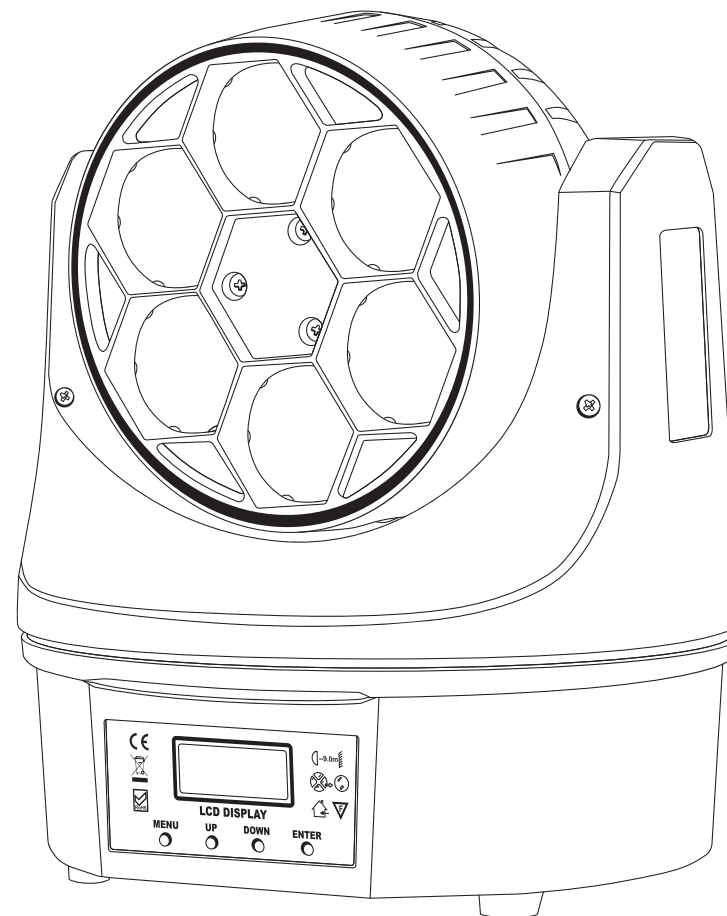


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CS-MC100 LED SIX BEE LIGHT User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. SAFETY INSTRUCTIONS

*CAUTION!

Becareful with your operations. With a dangerous voltage you cansuffer 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 carry out by qualified person.

The device shall only be used with rate 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.

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.

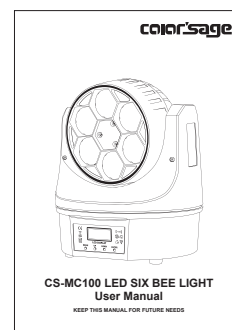
2. UNPACKING

Thank you for choosing Color sage's CS-MC100(LED SIX BEE LIGHT). 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.

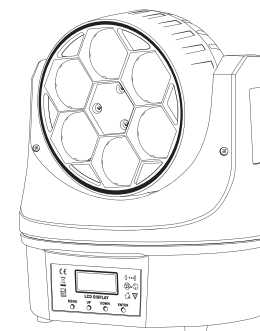
This product is a mini type bee moving head. It use 2.4 inch TFT screen. It's very convenient to operate and scan the menu. It can record the working time and lighting hours, display the temperature/channels data and soft information. It built-in master/salve, sound activated, auto, RDM and DMX512.

The shell of this light is made of high quality ABS fire resistant plastics, light weight and excellent heat dissipation.

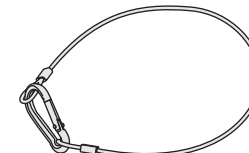
This product is used to enliven atmosphere for family gatherings, KTV box, disco Ballroom, ballroom, nightclub, disco, bar, mall, wedding, square, park, etc.



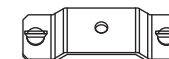
User Manual
1pc



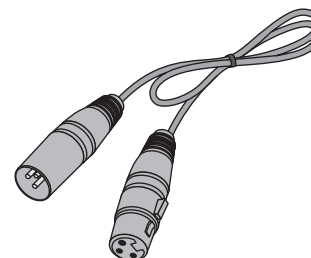
CS-MC100(LED SIX BEE LIGHT)
1pc



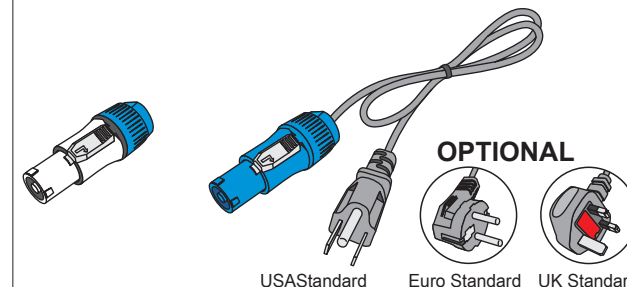
Safety Cable
1pc



Omega Clamp
1pc



Signal Cable
1pc



Power Out
1pc

Power Cable
1pc

OPTIONAL

USA Standard

Euro Standard

UK Standard

3. FEATURES & SPECIFICATIONS

Function:

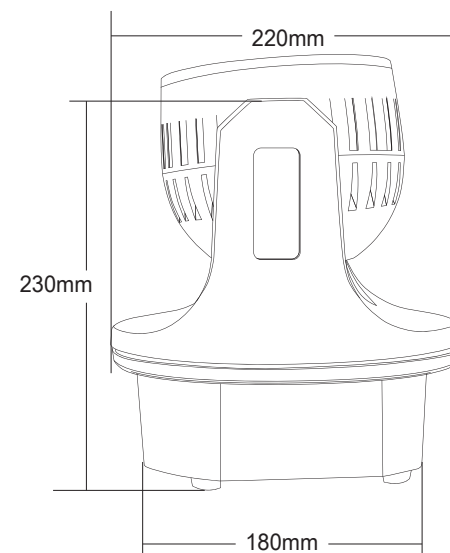
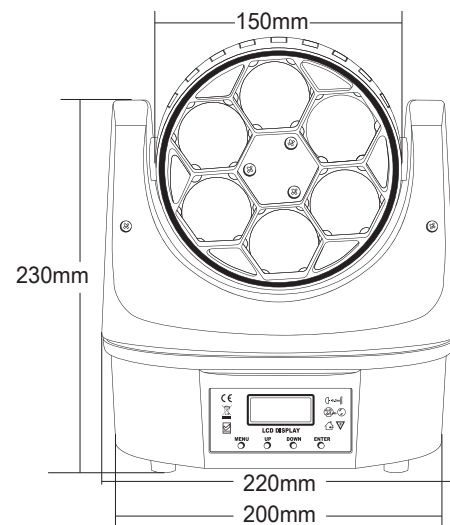
01. Slave/Master
02. Sound actived
03. Auto
04. DMX 512
05. RDM
06. Strobe

Specifications:

LED quantities: 6*15W 4 in 1 RGBW LED
Input Voltage: AC90V-240V, 50/60HZ
Power consumption: 100W
life span: 50,000 hrs
Lens: Aspheric lens
Channel: 11CH/14CH
Beam angle: 1.5 degree
Motorized zoom: From 6 degree to 51 degree
Pan: 540 degree
Tilt: 180 degree
Rotationeffect: 360 degree rotation
Color: RGBW four in one rotation,
macro function color system
Strobe: 1-30 / sec electronic strobe and
random strobe
Display: LCD display
Material Science: ABS fire resistant plastics

Packing & weight:

Size: 220mm*220mm*230mm
Net Weight: 4.1kg
Packing: 330mm*280mm*260mm
Gross weight: 4.8kg



4. OPERATION INSTRUCTIONS

CS-MC100(LED SIX BEE LIGHT) is a mini type bee moving head.

01. Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
02. This light should be keep away from strong shaking during any transportation or movement.
03. Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
04. Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
05. Make sure the installation place is in good safety condition before installing the fixture.
06. Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
07. Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
08. Make sure the fixture is operated by qualified personnel who knows the fixture before using.
09. Keep the original packages if any second shipment is needed.
10. Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
11. It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

5. INSTALLATIONS

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.
Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

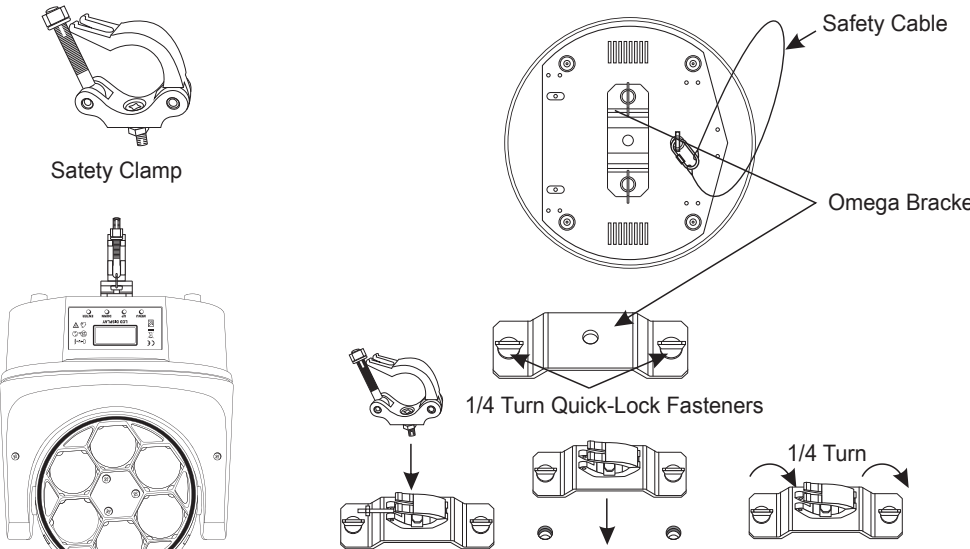
Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points: Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: The product provides a unique mounting bracket assembly that integrates the bottom of the base, the included “Omega Bracket,” and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the “omega bracket”. As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly

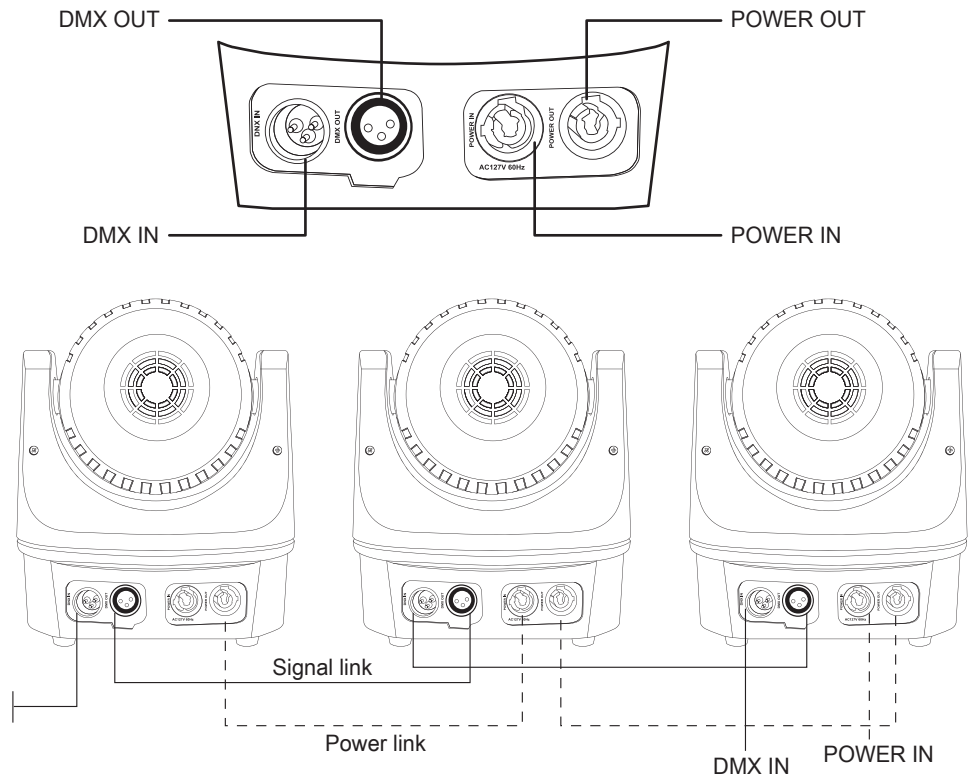
Regardless of the rigging option you choose for your , always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.



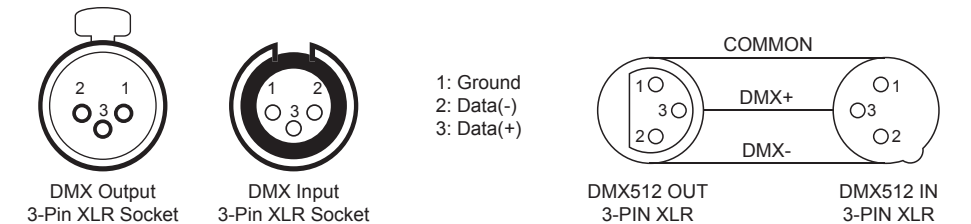
6. DMX-512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

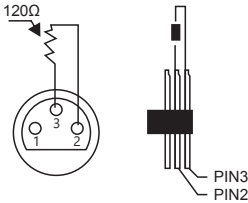
DMX-512 connection with DMX terminator



***Important Notes!**
Please do not link more than this Product at AC220V voltage!



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



7. MENU OPERATIONS

MENU	Function/Value	Instructions
DMX set	Address set 001-512	DMX 512 address set
Channel set	11	11 Channel
	14	14 Channel
Show mode	DMX mode	Console mode
	Fast mode	Fast operation
	Slow mode	Slow run mode
	Sound mode	Sound operating
Sound sense	0-99	Sound sensitivity
Pan inverse	OFF	X motor forward
	ON	X motor reversal
Tite inverse	OFF	Y motor forward
	ON	Y motor reversal
White balance	R 0-255	Red adjustment
	G 0-255	Green adjustment
	B 0-255	Blue adjustment
	W 0-255	White adjustment
Default confirrm	Yes	Initialization factory
Fixture res	Yes	System reset

8. DMX CHANNELS

1. 11Channelmodel

Channel	Function/Value	Instructions
1	X/0-255	Adjustmentis turned up during, down regulate inversion
2	Y/0-255	Adjustmentis turned up during, down regulate inversion
3	Position offset/ 0-127	0-127 Slow up, 127 the fastest speed
	Spinning/128-191	128-191 Slow up, 191 the fastest speed
	Reverse rotation 192-255	192-255 Slow up, 255 the fastest speed
	Zoom/0-255	0-255 Slow up, 255 the fastest speed
4	Tuned light/0-255	R, G, B, W, always open bubble from dack to bright
5	R dimming/0-225	Red, moving light from dark to bright
6	G dimming/0-225	Green, moving light from dark to bright
7	B dimming/0-225	Blue, moving light from dark to bright
8	W dimming/0-225	White, moving light from dark to bright
9	Stroboscopic/0-255	A scale of 0-255 to stroboscopic adjustment, from slow to fast
10	0-10	Other channels
	Color mixing/11-127	11-127 Slow up, 127 the fastest speed
	Color mixing mode 1/128-160	Color transitions
	Color mixing mode 2/161-200	Color gradient mode 1
	Color mixing mode 3/201-255	Color gradient mode 2
11	Speed regulation/ 0-255	Channel 10 speed regulating function, 0-255 Slow up, 255 the fastest speed

2. 14Channelmodel

Channel	Function/Value	Instructions
1	X/0-255	Adjustment is turned up during, down regulate inversion
2	X fine-tuning/0-255	Adjustment is turned up during 0-255, down regulate inversion
3	Y/0-255	Adjustment is turned up during, down regulate inversion
4	Y fine-tuning/0-255	Adjustment is turned up during 0-255, down regulate inversion
5	Speed/0-255	Slow up, 255 the fastest speed
6	Position offset/ 0-127	0-127 Slow up, 127 the fastest speed
	Spinning/128-191	128-191 Slow up, 191 the fastest speed
	Reverse rotation 192-255	192-255 Slow up, 255 the fastest speed
	Zoom/0-255	0-255 Slow up, 255 the fastest speed
7	Tuned light/0-255	R, G, B, W, always open bubble from dark to bright
8	R dimming/0-225	Red, moving light from dark to bright
9	G dimming/0-225	Green, moving light from dark to bright
10	B dimming/0-225	Blue, moving light from dark to bright
11	W dimming/0-225	White, moving light from dark to bright
12	Stroboscopic/0-255	A scale of 0-255 to stroboscopic adjustment, from slow to fast

Channel	Function/Value	Instructions
13	0-10	Other channels
	Color mixing/11-127	11-127 Slow up, 127 the fastest speed
	Color mixing mode 1/128-160	Color transitions
	Color mixing mode 2/161-200	Color gradient mode 1
	Color mixing mode 3/201-255	Color gradient mode 2
14	Speed regulation/ 0-255	Channel 13 speed regulating function, 0-255 Slow up, 255 the fastest speed

9. 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.