

100W White COB LED



Model:YR-COB100W



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Section 1.Getting Started

- ♦ Unpacking
- ♦ Safety Instruction

Unpacking

1pc Fixture

1/4pc Signal Convertor Cable

1pc User Manual

Thanks for choosing our product. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

Safety Instruction



For your safe, please read this user manual carefully before turn on the fixture. This machine should be operated by qualified engineer!

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- If the fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 10meters while operating.
- The unit must be installed in a location with adequate ventilation, at least 5m away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Some fixture may carry high heat, do not aim at objective more than 2minutes.
- Safe rope should be used to install machine. Bearing of safe rope should be more than 3times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. And a terminal should be added at the end of last fixtures' DMX sockets, 120 Ohm, 1/4W resistance need welding between Pin 2 and Pin3.
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable earth connection.
- Always secure fixture using a safety chain and carrying handles.
- Do not operate at ambient temperatures higher than 104°F(40°C).
- The power cable for this fixture is 0.5 m m², please mind the safety requirements in actual using, if any wrong operation, our company takes no responsibility for any loss. Also, make sure the power cord is never crimped or damaged.
- In case of failure or mis-function occurred, stop using immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Buy the same spare parts/components from manufacturer directly.
- Avoid direct eye exposure to the light source while it is on.
- Do not power on and power off the fixture frequently
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your local distribution

or after-sale service center.

Section 2. Set Up

- \diamond Installation
- ♦ Controlling Board
- ♦ Machine connection

Installation

• This machine should be mounted through the screw holes of truss. Safety rope is a must to fix fixture well. Make sure truss and safety rope have strong load capacity to bear more than 3 times of machine weight .

• This machine should be installed by qualified technician.

Controlling Board



MENU UP DOWN ENTER

Front display panel



- 1. LED Display Panel
- 2. Button

Menu	Switch menu function
UP	Scroll upwards
DOWN	Scroll downwards
ENTER	Confirm by pressing ENTER

- DMX Signal Input
 3 PIN XRL port for DMX512 signal input (daisy chain);
- 4. DMX signal output3 PIN XRL Port for DMX512 signal output (daisy chain);
- 5. Power Input AC power cable port input

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terninator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

Master and slave: select one machine as master, press the menu to choose the function you want. Press other machines' address to be DMX state. Use signal cable to connect machines one by one. Then slave machines will run the same as master machine. Use controller to control lot of machines: if all machines are set the same menu data, or different manual data, after use signal cable to connect to controller, all machines will be controlled by controller. (before connect to controller, all machines should be in the same channel mode 3ch or 1ch).

Section 3. Troubleshooting

Problem	Probable Cause(s)	Remedy
No rooponoo from	No power to fixture	Check power cables
No response from fixture when power	Primary fuse blown	Replace fuse
is applies	Secondary fuse	Replace fuse
	blown	
Fixture resets but	Controller not	Connect controller
does not respond	connected	
correctly to	Incorrect	Check address setting on fixture and controller

	1	
controller(DMX	addressing of the	
mode operation)	fixtures	
	Bad data link	Inspect cables and correct poor connections
	connection	and/or broken cables.
	Conflict between	
	tracking and vector	Eliminate scene cross-fade on controller
	control	
	Data link not	Incort termination plug in output of lost future
	terminated	Insert termination plug in output of last fixture
	Defective fixture or	Bypass fixtures one at a time until normal
	2 devices	operation is regained: unplug both connectors
	transmitting on link	and connect them directly together
Colors cannot be	Random color	Turn off random color mixing
mixed	mixing is on	
Fixture does not	Electronic or	Contact service technician
reset correctly	mechanical failure	
No light, lamp cuts	Lamp missing or	
out intermittently, or	blown	Disconnect fixture and replace lamp
burns out too		
	Fixture or lamp is	Allow fixture to cool. If problem persists,
quickly	too hot	contact service technician

Section 4. Reference

- ♦ Control Menu
- ♦ DMX Protocol
- ♦ Dimmer Curve
- ♦ Specification

Control Menu

No.	Menu	Function
1	d3	DMX 3 channel control(need connecting controller)
2	d.1-	DMX 1 channel control(need connecting controller)
3	n	r000 to r255: White from dark to bright
4	F	F000 to F255: flash speed, from slow to fast
5	T	on: high temperature with half power function on
		off:high temperature with half power function off
		When the LED board temperature increase up to be 80 $^\circ\!\mathrm{C}$,
		the Max. power consumption of LED source would be
		50% ; When the LED source temperature decrease to
		be 58 $^\circ\!\mathrm{C}$, the Max. power consumption of LED source
		would be 100% ;
6	dr	dr-0: Standard Dimmer Curve;
		dr-1: Dimmer Curve1;
		dr-2: Dimmer Curve2;
		dr-3: Dimmer Curve3;
		dr-3: Dimmer Curve4;

DMX protocol

DMX512 Channel Chart: (3CH)

СН	Function	Specification
CH1	Dimmer	0-255 White Dimmer, from dark to bright
CH2	Flash	1-255 flash speed, from slow to fast
СНЗ	Macro function	000-020: Standard Dimmer Curve;
		021-040: Dimmer Curve1;
		041-060: Dimmer Curve2;
		061-080: Dimmer Curve3;
		081-100: Dimmer Curve4;
		101-149: No Function;
		150-155: after 3 second, high temperature
		with half power function off;
		156-199: No Function;
		200-205: after 3 second, high temperature
		with half power function on;
		206-255: No Function;

DMX512 Channel Chart: (1CH)

СН	Function	Specification
CH1	Dimmer	0-255 White Dimmer, from dark to bright

Dimmer Curve:



Ramp Effect	Menu	Tup(ms)	Tdown(ms)
Standard Dimmer	dr-0	0	0
Curve			
Dimmer Curve 1	dr-1	980	1010
Dimmer Curve 2	dr-2	1210	1320
Dimmer Curve 3	dr-3	1600	1710
Dimmer Curve 4	dr-4	1850	1980

Specification

Voltage: AC110V-240V Frequency: 50/60Hz Machine Power: 100W LED source: 100W White LED(Pure white(6000-6500K)/Warm white(3000-3200K)/Cold white(7500-8000K)/ LED QTY: 1pcs Strobe: 0~20 Hz Dimmer : 4 kinds of dimmer methods Fan: 1pcs temperature detect fan Noise: Same as Ambient noise away 1.5m Beam Angle: 60° (can be changed by barn door) Control Mode: DMX512/Manual Channel: 3/1CH (switchable) Net weight:1.5kg Size:26*26*11.5cm(excluding bracket)



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