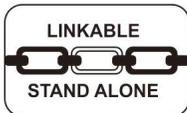


Hybrid

HSS COB-C



User Manual

Please read the instructions carefully before use

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1. Safety Instructions



WARNING

Please read the instructions carefully which include important information about the installation, operation and maintenance.

- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully that there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixing this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is $T_a : 40^{\circ}\text{C}$. Don't operate it where the temperature is higher than this.
- In the event of serious a operating problem, stop using the fixture 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. Always use the same type of spare parts.
- Do not connect the device to any dimmer pack.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if it is visibly damaged.
- Do not look directly at the LED light beam while the fixture is on.

Caution

There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs yourself. In the unlikely situation that your unit may require service, please contact your nearest dealer.

2. Technical Specifications

Power supply: 100-240Vac,50/60Hz

Power Consumption: 150W

Light Source: 1x COB 150W , RGBW Quad in one

LED life: Rated 60,000 hrs

DMX Channels: 4,6 and 8 Channels

Control Mode: DMX, Master/Slave, Stand alone, Sound Activated

Packing size : L335×W295×H350mm

Net Weight: 4 Kg

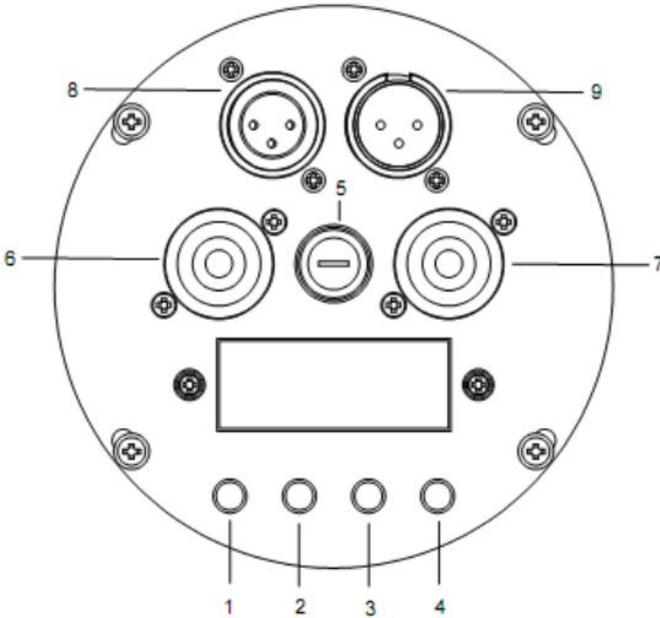
3. Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times the unit's weight. Always use a safety cable that can hold 12 times the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where it is out of reach.

4. How To Set Up The Unit

4.1 Control Panel



Button:

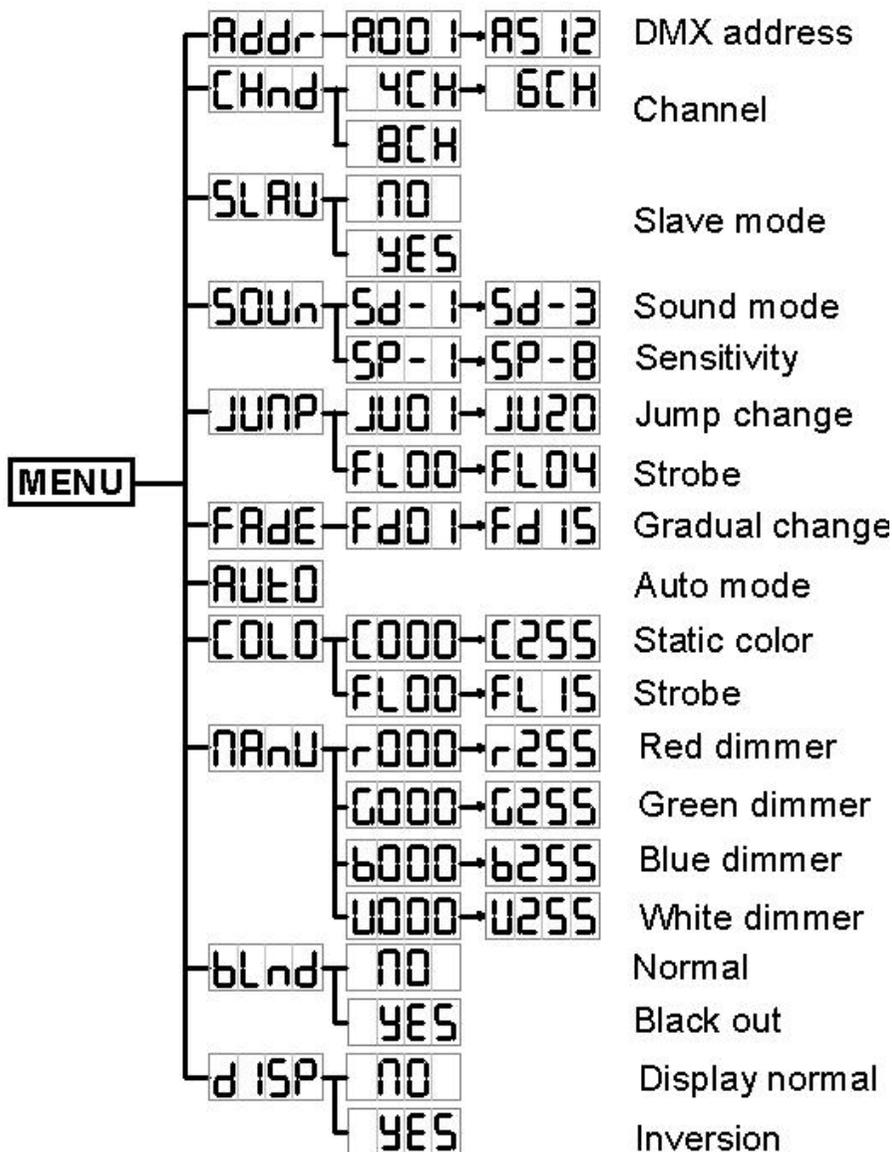
- ① MENU To go forward select menu or go back the last level menu
- ② UP To go forward select menu or increase parameters
- ③ DOWN To go backward select menu or reduce parameters
- ④ ENTER Enter submenu
- ⑤ Fuse
- ⑥ Mains input: Connect to supply main power supply.
- ⑦ Mains output: Connect to supply main power supply for the next unit.
- ⑧ DMX input: For DMX512 link, use 3-pin XLR plug cable to input DMX signal.
- ⑨ DMX output: For DMX512 link, use 3-pin XLR plug cable to link the next unit.

Note:

- (1) In ten seconds, if no button was pressed, the LED display will turn off. Press any button to turn on the LED display again.
- (2) Whenever had any button has been pressed, the program will save all parameter after 2 seconds.

(3) No matter the program in which mode, once to detect the DMX or SLAVE signal, the program will jump into DMX or SLAVE mode automatically. Then if DMX or SLAVE signal was disconnect , the program will return to the original mode.

4.2 Main Function



5. How to control the fixture

There are three ways to control the fixture

- A. Universal DMX controller
- B. Master/Slave operation
- C. controller

A. Universal DMX controller

The fixture can be set to the DMX address remotely by the universal DMX controller. First, you need to programming two scenes into a chase, and then link the fixtures to the universal DMX controller. When you run the chase, all the fixtures of the chain will be set to the series DMX address automatically. The fixture uses four channels. Please refer to the following table to set the address for the first four units.

B. Master/Slave operation

The fixture will allow you to link 16 fixtures together and operate without a controller. In Master/Slave mode, the first fixture will control the others to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. The first fixture's DMX input cable will have nothing connected to it, and the other fixtures will be set in slave mode automatically. Their DMX input cables connect to the last fixture DMX output cable (daisy chain). Any fixture can act as a Master or as a Slave

Channels mode	Unit1 Address	Unit2 Address	Unit3 Address	Unit4 Address
CH4	1	5	9	13
CH6	1	7	13	19
CH8	1	9	17	25

6. DMX512 Configuration

4 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer
CH4	0-255	WHITE dimmer

6 channels Mode:

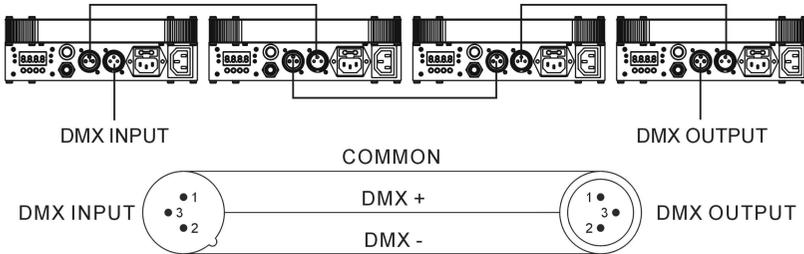
Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer
CH4	0-255	WHITE dimmer
CH5	0-255	Master dimmer
CH6	0-6	Dimmer mode
	7-65	Strobe from slow to fast
	66-69	None
	70-128	Pulse strobe from slow to fast
	129-132	None
	133-191	Strobe fading in from slow to fast
	192-195	None
	196-255	Strobe fading out from slow to fast

8 channels Mode:

Channel		Value	Function
CH1		0-255	RED dimmer
CH2		0-255	GREEN dimmer
CH3		0-255	BLUE dimmer
CH4		0-255	WHITE dimmer
CH5		0-255	Master dimmer
CH6	(CH8<60)	0-6	Dimmer mode
		7-65	Strobe from slow to fast
		66-69	None
		70-128	Pulse strobe from slow to fast
		129-132	None
		133-191	Strobe fading in from slow to fast
		192-195	None
	196-255	Strobe fading out from slow to fast	
	(CH8>=60)	0-255	Running speed from slow to fast
CH7	CH8(60-119)	0-255	To select static color
	CH8(120-179)	0-255	Strobe from slow to fast
CH8 (Function channel)		0-59	Dimmer mode
		60-119	Static color mode
		120-179	Jump change mode
		180-239	Gradual change mode
		240-245	Sound mode 1
		246-251	Sound mode 2
		252-255	Sound mode 3

7. DMX512 Connections

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 ohm 1/4W) between pin2(DMX-) and pin3(DMX+) of the last fixture.



1. If you are using a controller with a 5 pin DMX output, you need to use a 5 to 3 pin adapter-cable.
2. Connect the fixture together in a “daisy chain” plug XLR cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a “Y” cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system
3. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units’ power is disconnected.
4. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
5. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. 3 pin XLR connectors are more popular than 5 pin XLR.
3 pin XLR: Pin1: GND, Pin2: Negative signal (-), Pin3: Positive signal (+)
5 pin XLR: Pin1: GND, Pin2: Negative signal (-), Pin3: Positive signal (+)
Pin4/5: Not Used.

8. Troubleshooting

The following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, It has no light

1. Check the connection of power and main fuse.
2. Measure the main power supply voltage on the main connector.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if they are linked properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on the PCB of the fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the fixture. Set the proper address.

D. No response to the sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone by tapping the microphone.

9. Fixture Cleaning

Internal cleaning must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.