

BETOPPER[®]

**LED PAR
USER MANUAL**



Model: LC200W-H

Please read the manual carefully before using

LED PAR Light after service

Product warranty card

Please fill in the following content properly and keep it safe for future maintenance. Accordingly, for your each purchase of our systems we have archive Serial number and parameters for future reference.

Testing : warranty: non-warranty:

Mode: _____ Serial No.: _____

Distributor: _____ Address: _____

Tel: _____

About Product Warranty

1. Any product buy from our company (or authorized agent), which used properly, and with this card, can have 1 year warranty for Lights, mechanical parts, electronic parts. If out of the warranty situation, we can provide the paid maintenance service.

2. The warranty is no longer valid in the following situations:

- * Warranty cards and products have no serial numbers.
- * Product is damaged or show significant signs of self-disassembly.
- * Any unauthorized modification (removal or replacement) made to product or it's components.
- * Improper or excessive use of inappropriate repairs which result in a repair failure or injury.
- * Did not follow instructions or use in an environment not suitable for product.
- * Product damage caused by strong impact
- * The warranty cannot be extended if the product as been serviced
- * Light Source normal degradation
- * Warranty card must be filled out with receipt of purchasing in order for the warranty to be valid.
- * Product is damaged due to abnormal voltage or caused by other accidents (ex. Natural disasters).

3. The Company reserves the right to interpret the provisions above. The content of these articles is subject to change without notice!

Attention

1. Please read these operating instructions carefully to familiarize you with basic operations of this unit BEFORE USE.
2. Without permitted, it is prohibited to spread the contents of this manual to others.
3. This manual is only to provide related information, and the contents of this manual will be changed at any time without notice.
4. Unless the instructions have already stated, please do not freely modified the unit.

Safety Tips

1. Before installation and maintenance, please confirm the power is OFF. make sure that the ventilation around the unit is good.
2. The lighting is designed for indoor demonstration, please do not use this product in a wet environment for long-term.
3. The use and maintenance of this unit should avoid contact with water. when using it outdoor, please take waterproofing measures.
4. Personnel, who to take the installation, operation and maintenance, must be familiar with the lighting performance. Most of the damage is resulted from unfamiliar with its performance.
5. Please do not face up to the luminous unit for a long time, so as not to cause discomfort to your eyes.
6. Please often wipe the unit with a clean cloth.

Technical Parameters

Input voltage : AC100-240V	Light source: 200W RGB 3 in 1, COB
Rating powder : 200W	Stable powder: 180W
Heat radiation : adjust fan	lamp beam protection: The temperature control module
Channel : 2/4/7	
Contro mode : Sound/Auto/Jump/Fade/Fan speed setting/Master-slave/DMX512	

Keys and Display construction



Menu: Function Key
UP: Add
DOWN: Minus
ENTER: confirmed

First level menu	Second level menu	Third level menu
0 JUMP	JS00-JS99 (jump rate)	JF00-JF99 (jump strobe rate)
1 Fade	FS00-FS99 (fade rate)	FF00-FF99 (fade strobe rate)
2 Auto (jump+fade)	Operation rate depends on the rate above	
3 Soud (sound control)	So00-So04(5 sound control effect)	se00-se99(The acoustic sensitivity)
4 StAt (static color)	st01 (Red)	SF00-SF99 (Static strobe rate)
	st02 (Green)	
	st03 (Blue)	
	st04 (Grass green)	
	st05 (Amber)	
	st06 (Orange)	
	st07 (Yellow)	
	st08 (Cyan)	
	st09 (Lavender)	
	st10 (Pink)	
	st11 (Rosiness)	
	st12 (Magenta)	
	st13 (Pea green)	
	st14 (Warm white)	
	st15 (All on)	
5 colo (mix color)	r000-r255 (Red brightness value 0---255)	

First level menu	Second level menu	Third level menu
5 colo (mix color)	g000-g255 (Green brightness value 0---255)	
	b000-b255 (Blue brightness value 0---255)	
	cf00-cf99 (secondary strobe rate 0---99)	
6 chnd (channel choice)	2ch (Channel 2)	
	4ch (Channel 4)	
	7ch (Channel 7)	
7 blnd (exit signal choice)	auto (Exit DMX to enter auto mode)	
	soud (Exit DMX to enter sound control mode)	
	hold (Exit DMX to enter hold mode)	
	stop (Exit DMX to enter stop mode)	
8 addr (dmx address setting)	d001-d512 (dmx address 001-512)	
9 Fan (fan setting)	auto (fan auto mode)	
	sped(manual fan speed adustment)	sp00-sp09 (fan speed 0-9)
10 disp (display setting)	on (digital display on)	
	10of (digital display off in 10 seconds)	
	30of (digital display off in 30 seconds)	
	60of (digital display off in 60 seconds)	
11 Ver (fixed version)	V001	

Hidden functions (backstage functions)

- Long press menu(above 5 sec) can bring up temperature display function, realtime display of lamp plate temperture, press any key to exit the temperature display function; temperature display range is 10°C---91°C
- When the digital displays StAt, long press the up button(above 5 sec),can bring up the white balance setting function, cooperate mix using with up/down button to adjust the white balance value, press menu to switch to next color,press enter button to exit setting, white balance vaule range is 200-255
- Long press enter (above 5 sec) can make the digital display rotate 180 ° (reverse), loosen the button and long press enter again to have normal digital display
Temperature protection function

1. Fan auto mode: When the temperature of the lamp panel exceeds 60 °C, the fan begins to work, and the higher the temperature of light board is, the faster the fan speed is; the fan reaches the peak speed when the temperature is up to 80°C; when the lamp plate temperature reaches 85°C, light panel brightness will gradually decline with the increase of temperature, and bightness will go up when the temperature begins to drop; the fan will stop working when the temperature drops to below 45°C, circle in this way.
2. Fan manual mode: For fan manual mode, the fan will run based on the speed set manually, when the lamp plate temperature reaches 75°C, light panel brightness will gradually decline with the increase of temperature; the higher the temperature is, the lower the brightness is, and bightness will go up when the temperature begins to drop; the fan reaches the peak speed when the temperature is over 85°C(including 85°C); the fan speed will return to the manually setting value when temperature drops to below 60°C.
3. Temperature proction function: When light plate temperature is greater than or equal to 75°C, LED the overall brightness will gradually drop; the higher the temperature is, the lower the brightness is, and bightness will go up when the temperature begins to drop; when temperature exceeds 90°C, lamps and lanterns light will be closed; when the temperature of the lamp panel fall to below 75°C, light will be on
4. Main and vice machine function

Channel mode

2 channel mode

Channel	Value	Function
1	000---255	master dimmer(0%---100%)
	000---016	Red
2	017---033	Green
	034---050	Blue
	051---067	Grass green (R-180,G-255)
	068---084	Amber(R-255,G-150)
	085---101	Orange (R-255,G-200)
	102---118	Yellow (R-255,G-255)
	119---135	Cyan (G-255,B-255)
	136---152	Lavender (R-170,B-210)
	153---169	Pink (R-255,G-150,B-150)
	170---186	Rosiness (R-255,B-120)
	187---203	Magenta (R-255,B-180)
	204---220	Pea green (R-180,G-255,B-180)
	221---237	Orange (R-200,G-200,B-150)
	238---255	White (R-255,G-250,B-200)

4 channel mode

Channel	Value	Function
1	0---255	Red (0%----100%)
2	0---255	Green (0%----100%)
3	0---255	Blue (0%----100%)
4	000---009	strobe stop
	010---255	strobe speed slow--- fast(1HZ---20HZ)

7 channel mode

Channel	Value	Function	
1	000---255	master dimmer(0%---100%)	
2	000---009	strobe stop	
	010---255	strobe speed slow--- fast(1HZ---20HZ)	
	000---255	auto speed slow--- auto speed fast	
3	000---009	Blackout	
	010---019	Red	
	020---029	Green	
	030---039	Blue	
	040---049	Grass green (R-180,G-255)	
	050---059	Amber(R-255,G-150)	
	060---069	Orange (R-255,G-200)	
	070---079	Yellow (R-255,G-255)	
	080---089	Cyan (G-255,B-255)	
	090---099	Lavender (R-170,B-210)	
	100---109	Pink (R-255,G-150,B-150)	
	110---119	Rosiness (R-255,B-120)	
	120---129	Magenta (R-255,B-180)	
	130---139	Pea green (R-180,G-255,B-180)	
	140---149	Orange (R-200,G-200,B-150)	
	150---159	White (R-255,G-250,B-200)	
	4	160---179	Three colour jumping
180---199		Fifteen colour jumping	
200---219		Colour fade	
220---239		Auto all	
240---255		Sound	
5		0---255	Red (0%----100%)
6		0---255	Green (0%----100%)
7	0---255	Blue (0%----100%)	