

NWITC[®]

BLUE SEA LIGHTING

User Manual

Please read the instruction carefully before use



BLMO250B

IP 250 LED Beam Moving Head Light

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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1. Technical Parameter

Input voltage: AC 100V~240V/50~60Hz;

Power: 250W

Customized high-brightness LED light source: 200W;

Light strip light source: 41 0.2W 5050RGB lamp beads

Lamp bead life: 50000H

Optical angle: 2 °

Channel mode: 23CH

Control mode: DMX512/master-slave/automatic;

Color disk: 14 + white light

Fixed image disk: 14 + white light

Effect disk: colorful + atomization

Prism disk: 8 prisms + honeycomb prism, bidirectional rotation.

Horizontal: 540 °

Vertical: 270 °

Cooling: temperature control, overheat protection

Waterproof grade: IP65

Die-cast material: magnesium alloy

Signal connection: XLR 3-pin input/output

Power input: Powercon input/output

Dimensions (MM): L304*W218* H529

Net weight: 13.5 KG

2. Package Contents

1× IP 250 led beam moving head light

1×Mounting bracket

1×AC power cord

1×User's manual

1× 3-pin Signal cord

3. Menu

Menu	Sublevel menu	Tertiary menu / parameters
System Settings	running mode	DMX / voice control / self walk 1 / self walk 2
	channel pattern	23 CH
	Horizontal reversal	Open / close
	Vertical reversal	Open / close
	Hall error correction	Open / close
	Optical coupling error correction	Open / close
	The signal to keep	Open / close
	Screen protection	Open / close
	Screen flip	Open / close / automatic
	Synchronous update	On / off (for this function, please remove DMX offline)
	language	centre / EN
	Screen lock	Open / close
	factory data reset	Confirm / cancel
manual mode	Manual control of the channel values	000-255
system calibration	enter password	Lighting calibration
system reset	Effect motor reset	Effect disc reset other than XY
	Scan the motor for reset	The XY axis was reset only
	Full motor reset	Lamps reset
system info	Reset information	Display the specific information and content
	And DMX data detection	Display the specific DMX detection content
	sensor information	Display the optical coupling, Hall specific information
	Hardware version	Displays the hardware version number
	software release	Displays the software version number

option	explain	
work pattern	Lighting operating mode: DMX / voice control / walk 1 / walk 2	
	DMX pattern	Console mode, receiving the DMX signal
	Self-walking mode 1	The lamp shall be run automatically according to the built-in self-walk program 1
	Self-walking mode 2	The lamp shall be run automatically according to the built-in self-walk program 2
	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
channel pattern	23 CH	
Horizontal reversal	Set the X-axis rotation direction	
	close	Dont reverse
	open	opposite direction
Vertical reversal	Set the Y-axis rotation direction	
	close	Dont reverse
	open	opposite direction
Hall error correction	Check whether the pattern plate, color plate and other functions are out of step and correct	
	close	Position is not corrected after the misstep
	open	Position is automatically corrected after loss of step
Optical coupling error correction	XY was tested for loss of step and corrected	
	close	Position is not corrected after the misstep
	open	Position is automatically corrected after loss of step
The signal to keep	Output status of the lamp with no DMX signal	
	close	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

Screen protection	close	The screen doesnt have a breath screen
	open	The screen will stop after arriving at the specified time
Screen flip	close	The screen is positive
	open	The screen reverse
	voluntarily	Automatically correct the direction according to the current screen
Synchronous update	Synchronize the setting parameters or calibration parameters of multiple lamps	
	close	The synchronous update function is turned off
	open	Connect multiple lamps with the DMX wire, and the information can be updated synchronously in the calibration interface.(Note: Remove the DMX signal wire connected to the console)
language	the Chinese language /EN	
Screen lock	close	Dont turn on the screen lock
	open	Open the screen lock, the screen function needs to be unlocked before use
factory data reset	Lighting parameters are returned to the factory settings	
	cancel	res sic stantibus
	affirm	Light ture to factory settings

4. DMX Channel

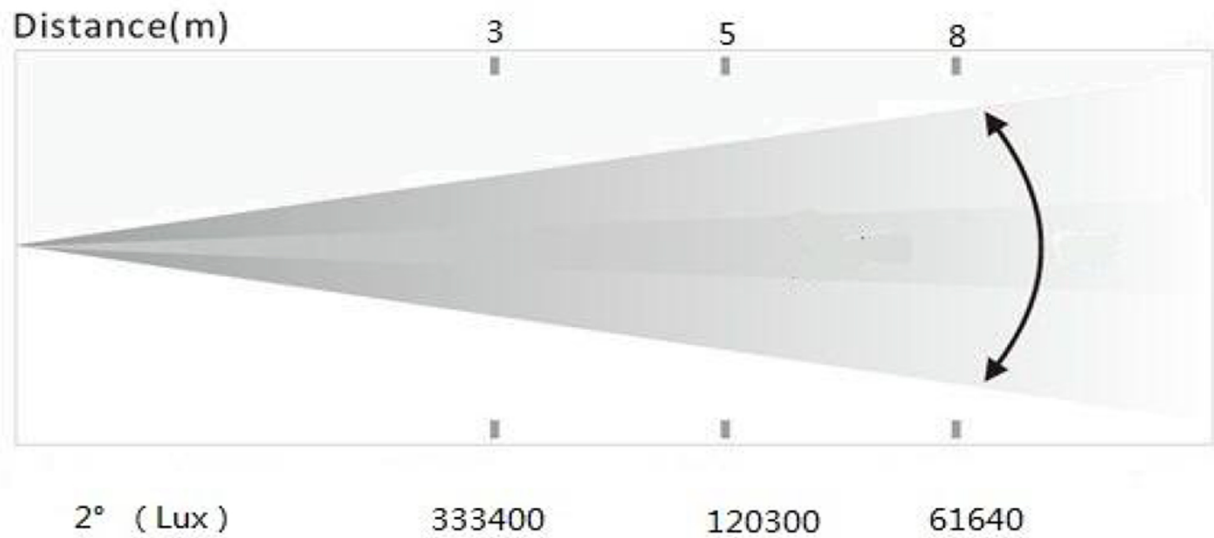
23CH	The channel name	The channel value	Channel function
1	X axle	0-255	0-540 degrees
2	X axis fine-tuning	0-255	0-2 Degrees
3	Y axle	0-255	0-270 degrees
4	Y axis fine-tuning	0-255	0-1 degrees
5	XY velocity	0-255	From fast to slow
6	aiming	0-255	With 0-100% dimming
7	strobobflash	0-3	light up
		4-99	Synchronous flash

		100-149	Pulse flash
		150-199	Flash
		200-249	Random flash
		250-255	light up
8	pigment	0-11	white
		12-15	Color 1
		16-19	Color 2
		20-23	Color 3
		24-27	Color 4
		28-31	Color 5
		32-35	Color 6
		36-39	Color 7
		40-43	Color 8
		44-47	Color 9
		48-51	Color 10
		52-55	Color 11
		56-59	Color 12
		60-63	Color 13
		64-67	Color 14
		68-71	White + color 1
		72-75	Color 1 + color 2
		76-79	Color 2 + color 3
		80-83	Color 3 + color 4
		84-87	Color 4 + color 5
		88-91	Color 5 + color 6
		92-95	Color 6 + color 7
		96-99	Color 7 + color 8
		100-103	Color 8 + color 9
		104-107	Colour 9 + color 10
		108-111	Colour 10 + color 11
		112-115	Colour 11 + color 12
		116-119	Colour 12 + color 13
		120-123	Colour 13 + color 14
		124-127	Color is 14 + white
		128-189	From fast to slow counterclockwise flow water
		190-193	Stop running water
		194-255	From slow to fast, the clockwise flow of water

9	Solid figure	0-7	White aperture
		8-13	Pattern 1
		14-19	Pattern 2
		20-25	Pattern 3
		26-31	Pattern 4
		32-37	Pattern 5
		38-43	Pattern 6
		44-49	Pattern 7
		50-55	Pattern 8
		56-61	Pattern 9
		62-67	Pattern 10
		68-73	Pattern 11
		74-79	Pattern 12
		80-85	Pattern 13
		86-91	Pattern 14
		92-98	Pattern 1 shakes from slow to fast
		99-105	Pattern 2 shakes from slow to fast
		106-112	Pattern 3 shakes from slow to fast
		113-119	Pattern 4 shakes from slow to fast
		120-126	Pattern 5 shakes from slow to fast
		127-133	Pattern 6 shakes from slow to fast
		134-140	Pattern 7 shakes from slow to fast
		141-147	Pattern 8 shakes from slow to fast
		148-154	Pattern 9 shakes from slow to fast
		155-161	Pattern 10 shakes from slow to fast
		162-168	Pattern 11 shakes from slow to fast
		169-175	Pattern 12 from slow to fast
		176-182	Pattern 13 with a jitter ranging from slow to fast
		183-189	Pattern 14 with a jitter from slow to fast
		190-221	From fast to slow counterclockwise flow water
		222-223	Stop running water
		224-255	From slow to fast, the clockwise flow of water

10	atomization	0-127	Fog cut out
		128-192	Fog cut in
		193-255	Colorful cut in
11	Prism 1	0-127	The prism 1 is cut out
		128-255	Prism 1 cut in
12	Prism 1 rotation	0-127	0-400 degrees
		128-190	From fast to slow forward flowing water
		191-192	cease
		193-255	From slow to fast, the reverse flow of water
13	Prism 2	0-127	The prism 2 was cut out
		128-255	Prism 2 cut in
14	Prism 2 rotation	0-127	0-400 degrees
		128-190	From fast to slow forward flowing water
		191-192	cease
		193-255	From slow to fast, the reverse flow of water
15	focus	0-255	From far to near
6	Light with dimming	0-255	Dimming (from dark to bright)
17	Light band flash	0-4	opening the light
		5-250	Synchronous flash
		251-255	opening the light
18	The light with red	0-255	Red (from dark to bright)
19	The light with green	0-255	Green (from dark to bright)
20	The light is blue	0-255	Blue (from dark to bright)
21	Dynamic effect	0-255	Light belt effect
22	Effect speed	0-127	Forward from slow to fast
		128-255	Reverse from slow to fast
23	reset	26-76	Effect motor is reset for more than 5 seconds
		77-127	The XY motor is reset over 5 seconds
		128-255	All motors are reset over 5 seconds

5. Photometric Diagram



6. Production Size

