300B 10R Beam
Moving Head Light

Item Number: LL10R

USER MANUAL

This user manual includes important information for installation and operation. Please read this user manual carefully to install, operate, and maintain the lighting safety and correctly. A verified technician should do the installation and operation.

Please carefully check for any damages caused by transportation.

Before delivery, this device has passed strict quality control and inspection. Please follow the user manual for proper operation. If this fixture is damaged due to operation error or disregard of this manual, the fixture will be out of warranty, and the manufacture or dealer will not be held responsible.

Installation:

This unit is for indoor use only. Use only in a dry location. To prevent or reduce the risk of electrical shock or fire, do not expose to rain or moisture.

Maximum ambient temperature for operation is between 20°F and 104°F. Do not use under or above this range. Turn off the power and allow 15 minutes for the unit to cool down before handling. Do not open the unit within five minutes after switching off.

Keep the fixture at least 1.5ft. away from any combustible material, as it is not suitable for direct installation on these surfaces. The unit must be installed in a location with adequate ventilation, at least 20 inches from adjacent surfaces. Ensure that no ventilation slots are blocked.

We advise that an electrician confirms the safety of the electrical data prior to installation. Power off the fixture before installation or maintenance. Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

Rigging:

Insert the quick-lock fasteners of the first holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise.

Pull the safety rope through the holes on the bottom of the base and fasten it on the truss or other fixing point. Ensure that the fixture is secure and will not drop due to clamp damage.

The truss used for hanging this fixture must be able to hold 10 times the weight of this fixture without deformation one hour after installation. Always use a safety cable that can hold 12 times the weight of the unit. Do not stand directly under the fixture while installing, uninstalling or adjusting the fixture.

Product Specifications:

Voltage: 100-240V, 50/60HZ

Power Consumption: 320W

Lamp: 250W lamp

Average lifetime: 2000hours

Color Temp: 8000K

Pan: 540° (16bit) electronic error correction

Tilt: 270° (16bit) electronic error correction

Color wheel: 14 colors + open

Gobo wheel: 13gobos + open

Prism: 1:8-facet +16-facet, prism 2: 16-facet

Frost and 6-color wheel effect, electronic focus

Electrical dimming: 0% - 100% support strobe at various speeds, strobe color marco

Beam angle: 2° lumen 103000lux at 15m, strobe: 1-25HZ

Over-heat protection: Display - LCD

IP rate: IP20

Channel: 19CH

Display and Operation:

Touch button	Function
Up	Option, Edit
Down	Option, Edit
Left	Backtrack, Edit
Right	Backtrack, Edit
OK	Enter to edit, confirm

Settings:

Option		Description
Operating mode	DMX	slave status: receiving DMX signals from the console or master
	AUTO 1	master state: auto and send DMX signal to the slave
	AUTO 2	
	Random	
	Sound	
DMX address	1 - 512	Press the "OK" key to enter the editing state.
Channel mode	Standard 16CH	Standard 16-channel mode, the 17th to 20th channels are invalid
	Expansion 20CH	Expansion 20 channel mode, the 17th to 20th channels control the speed (refer to the channel table)
X reverse	off	
	on	
Y reverse	off	
	on	
XY exchange	off	
	on	Exchange the channels of the XY axis (including fine-tuning)
XY encoder	on	Use the encoder (optocoupler) to judge the out-of-step and automatically correct the position
	off	Does not use encoder (optocoupler) to correct position
DMX signal	hold	running in the original state
	clear	the motor back to position, stop running
Lamp on	off	Reset directly after power on, the bulb will not on
	on	lamp on after power on, the bulb will light up automatically, and it will be reset only after the bulb is on
Color wheel linear change	on	The color wheel changes linearly
	off	Non-linear change of color wheel, half color change
Default settings		Press the "OK" button to see the confirmation dialog box, press the "OK" button again to restore the default settings

16 DMX Channel:

16CH	Function	Value	Details
CH1	Color wheel	000-004	White
		005 -009	White+Color 1
		010 - 014	Color 1
		015 - 019	Color 1+color 2
		020 - 024	Color 2
		025 - 029	Color 2+color 3
		030 - 034	Color 3
		035 - 039	Color 3+color 4
		040 - 044	Color 4
		045 - 049	Color 4+color 5
		050 - 054	Color 5
		055 - 059	Color 5+color 6
		060 - 064	Color 6
		065 - 069	Color 6+color 7
		070 - 074	Color 7
		075 - 079	Color 7+color 8
		080 - 084	Color 8
		085 - 089	Color 8+color 9
		090 - 094	Color 9
		095 - 099	Color 9+color 10
		100 -104	Color 10
		105 -109	Color 10+color 11
		110 -114	Color 11
		115 -119	Color 11+color 12
		120 -124	Color 12
		125 -129	Color 12+color 13
		130 -134	Color 13
		135 -139	Color 12+color 13
		140 -144	Color 14
		145 -149	Color 14+white light
		150 - 200	Forward flow (from fast to slow)
		201 - 255	Reverse flow (from slow to fast)

CH2	strobe	000-003 004-103 104-107 108-207 208-212 213-251 252-255	Shutter closed Strobe from slow to fast Open the shutter → (controlled by the dimming channel) Pulse strobe from slow to fast Open the shutter → (controlled by the dimming channel) Random strobe from slow to fast Open the shutter → (controlled by the dimming channel)
CH3	dimmer	0-255	dimmer 0-100%
CH4	gobo wheel	000 - 004 005 - 009 010 - 014 015 - 019 020 - 024 025 - 029 030 - 034 035 - 039 040 - 044 045 - 049 050 - 054 055 - 059 060 - 064 065 - 069 070 - 074 075 - 079 080 - 084 085 - 089 090 - 094 095 - 099 100 - 104 105 - 109 110 - 114 115 - 119 120 - 124 125 - 129 130 - 134 135 - 139 140 - 200 201 - 255	gobo 1 gobo 2 gobo 3 gobo 4 gobo 5 gobo 6 gobo 7 gobo 8 gobo 9 gobo 10 gobo 11 gobo 12 gobo 13 gobo 14 gobo 1 shake slow to fast gobo 2 shake slow to fast gobo 3 shake slow to fast gobo 4 shake slow to fast gobo 5 shake slow to fast gobo 6 shake slow to fast gobo 7 shake slow to fast gobo 8 shake slow to fast gobo 9 shake slow to fast gobo 10 shake slow to fast gobo 11 shake slow to fast gobo 12 shake slow to fast gobo 13 shake slow to fast gobo 14 shake slow to fast Forward flow (from fast to slow) Reverse flow (from slow to fast)
CH5	prism	000-063 064-127 128-191 192-255	no effect prism 1 prism 2 prism 1+ prism 2
CH6	prism rotation	000-127 128-187 188-195 196-255	adjust angle Forward rotation fast to slow stop reverse rotation slow to fast

		000-127	no function
CH7	frost and six color effect	128-191	frost
		192-255	six color effect
CH8	focus	0-255	focus 0-100%
CH9	focus fine	0-255	focus fine
CH10	pan	0-255	0-540 degree
CH11	pan fine	0-255	0-1.2 degree
CH12	tilt	0-255	0-270 degree
CH13	tilt fine	0-255	0-1.2 degree
CH14	XY speed	0-255	speed fast to slow
CH15	Macro	0-255	
CH16	lamp control and reset	000-099	no function
		100-105	lamp off
		200-205	lamp on
		210-215	Pan/Tilt reset
		220-235	small motors reset
		240-250	all motors reset
CH17	LED strobe	0-255	
CH18	LED effect	0-255	
CH19	LED speed	0-255	

Symbol Instruction on Fixture:

CE certificate

RoHS certificate