AL800LS user manual

800W LED PROFILE MOVE HEAD LIGHT

Please read over this manual before operation the light

Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittently using will extend this item's service life.
- Please clear the fan ,fan net , and optical lens in order to keep good work state.
- Do not use the alcohol or any other organic solvent to wipe the shell.

Statement

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

Product Instruction

Fits a powerful 700W LED engine and its front lens is 180mm diameter
Color Temperature: 7,000K
Linear CMY color mixing
Excellent color macro effect
Variable CTO: 2700K-7000K
36 /41channel mode
Static gobo wheel: 1 static gobo wheel with 8 gobos
Rotating gobo wheel: 1 rotating gobo wheel with 7 gobos, convenient replacment
Color wheel: 1 color wheel with 6 colors
Animation wheel: 1 animation wheel with outstanding water and flame effect
Prisms: 1pc 3-facet prism can rotate in either direction
Beam Angle: 5°-55°
Frost: the frost filters to create and improve the wash effect. They can be used independently and overlayed
Motorized linear Iris
8 x fast and smooth framing shutters; The position and the angle of each shutter blade can be controlled individually;
The framing module can rotate at ±60 degrees
Flicker free management
Dust-proof and oil-proof design
Packing size: 93x57x47CM
N.W:35.7 KG
G.W :41.7 KG

MENU FUNCTION:

DMX Address	DMX Address	001-512	
	DMX channel mode	DMX 36/ 41 channel	
	Motor reset		
Work Mode	DMX Ctrl	Open	
	Auto Run		
	Sound Ctrl		
	Sense mode	Auto	
		1-10	
	M/S choose	Auto	
		Slaver mode	
		Master mode	
	Fan mode	Normal	
		Mode 1	
		Mode 2	
Display	language	中文	
		English	
	Screen Saver	off	
		Mode 1	
		Mode 2	
		Mode 3	
		Mode 4	
	Screen Rot	Auto	
		Reverse	
		Forward	
	DMX indicate	Normal	
		Mode 1	
		Mode 2	
	Signal Bright	1-10	
	Screen light	1-10	
	Touch Enable	on	
		off	
	Touch Rectify		
Scene	Scene select	1-10	
	Scene time	1-255S	
	Control Mode	on	
		off	
	1:Pan	0-255	
	2.Pan Fine	0-255	
	3.Tilt	0-255	
	4.Tilt Fine	0-255	

	5.PT Spd	0-255	
	6. Strobe	0-255	
	7.Dimmer	0-255	
	8.Cyan	0-255	
	9.Magenta	0-255	
	10.Yellow	0-255	
	11.CTO	0-255	
	12.Color wheel	0-255	
	13.Color2	0-255	
	14.Gobo wheel	0-255	
	15.R-Gobo wheel	0-255	
	16.Gobo wheel rotation	0-255	
	17.Effect wheel insert	0-255	
	18.Effect wheel rotation	0-255	
	19.Focus	0-255	
	20.Focus Fine	0-255	
	21.Zoom	0-255	
	22.Prism	0-255	
	23.Prism Rotation	0-255	
	24.Prism Fine	0-255	
	25.Frost	0-255	
	26.Blade 1	0-255	
	27.Blade 2	0-255	
	28.Blade 3	0-255	
	29.Blade 4	0-255	
	30.Blade 5	0-255	
	31.Blade 6	0-255	
	32.Blade 7	0-255	
	33.Blade 8	0-255	
Advanced	Net Work		
	Pan invert	Open	
		Close	
	Tilt invert	Open	
		Close	
	P/T rectify	Open	
		Close	
	Pan offset	4-150	
	Tilt offset	4-48	
	Dimmer Mode	Normal	
		Mode 1	
		Mode 2	
	Data hold	Open	

		Close	
	Scene time	1-255	
	Factory setting	Open	
		Close	
Status	Stepper info		
	Error logging		
	Fixture status	Tep	
	Version	H3.12	
	Light time		
	Total time		
	Serial		

Funtion mode

1. Set DMX Address

Click and select the "ADDR", can enter the page of DMX address setting, range from 1 to 512, the address code shouldn't is not greater than (512- channels quantity), otherwise the light will not been controlled. Following is the operation:

Enter the page of DMX address, click the blank area in right side of display will pop-up diglog as in Fig. 4, modify value, then click 'ENTER' to confirm and save DMX address code.

2. Set Light work mode

Enter the page of 'WORK MOD' and modify setting. Can set light work mode, control lamp and DMX channel mode..

Light includes 3 work mode: DMX MODE, AUTO RUN and SOUND MODE, Parameter definition as following:

- **DMX Mode**：Under this mode, the light receive data from the DMX controller and move.
- **AUTO RUN**：Under this mode, light will run with inside code(data), ignore data from DMX controller.
- **SOUND Ctrl**：Under this mode, light ignore data from DMX controller., When there is a strong sound in stage, the light will run a scene, otherwise it will keep the last scene.
- **M/S Choose**：'M/S Choose' is available when light just in 'AUTO RUN' or 'SOUND Ctrl' mode. If this item is set as 'OFF', the light don't send data to other light via DMX Cable. When 'ON', the data will send to other slave light immediately.
- **Channel mode**：Light support 2 DMX Channel mode: sample or extend。

3. Set display

Light support 2 language, rotation display，Enter page to set parameter following:

- **Language**：Select display as simplified Chinese or English.
- **Screen Saver**：when panel is idle(these is no operation in 10 second), displayer will enter saver status. When set as 'mode 1'，saver status is close display, as 'mode 2' saver status will display DMX address code(DMX MODE) or display LOGO(AUTO RUN or SOUND CTRL). As 'OFF', keep light up display and show main menu。
- **Screen Rotation**：rotate display.
- **Touch enable**：Disable or enable touch function, when disable, use encoder to operate light and set

parameter.

- **Touch adjust**：adjust touch function, normally, not enter this item.

4. Test light

Enter the page , Light will into test mode, in this mode, the light does not receive the data for DMX controller.:

- PAN: range for 0 to 255;
- TILT: range for 0 to 255;
- FOCUS: range for 0 to 255;
- COLOR: range for 0 to 255;
- GOBO: range for 0 to 255;
- PRISM: range for 0 to 255;
- FROST: range for 0 to 255;；
- STROBE: range for 0 to 255;。

5. Set light run parameter

Enter the page, set the parameter of light:

- Pan Invert: Reverse PAN move.
- Tilt Invert: Reverse TILT mover.
- Rectify enable：set as 'OFF', PAN or TILT will disable position rectify function. As 'ON', when PAN or TILT lose steps, light will rectify auto.
- Pan Offset: Set PAN original position.
- Tilt Offset: Set TILT original position.
- Lamp up when: Select lamp on mode, includes 3 mode: power on, after reset done and manual；
- Factory setting: restore all parameter to factory setting.

6. View status

Enter the page :

- View light current status, version；
- DMXClr: Click to clear all DMX data to '0'.
- SysRst：Click to reset light.

7. DMX CHANNELS

36 /41 channel mode

36 Channel	41 Channel	NAME	VALUE	BRIEF
[CH1]	[CH1]	Pan	0-255	0-540(degree)
[CH2]	[CH2]	Pan Fine	0-255	0-2(degree)
[CH3]	[CH3]	Tilt	0-255	0-270(degree)
[CH4]	[CH4]	Tilt Fine	0-255	0-1(degree)
[CH5]	[CH5]	PT Spd	0-255	Fast to slow
[CH6]	[CH6]	Strobe		
			0-3	Dark
			4-127	Pluse strobe slow to fast

			128-191	Fade strobe slow to fast
			192-251	Rand strobe slow to fast
			252-255	Open
[CH7]	[CH7]	Dimmer	0-255	0-100% dimmer
	[CH8]	Dimmer Spd	0-255	
[CH8]	[CH9]	Cyan	0-255	
[CH9]	[CH10]	Magenta	0-255	
[CH10]	[CH11]	Yellow	0-255	
[CH11]	[CH12]	CTO	0-255	
[CH12]	[CH13]	Colour		
			0-127	Linear colour
			128-137	Colour1
			138-146	Colour2
			147-155	Colour3
			156-164	Colour4
			165-173	Colour5
			174-182	Colour6
			183-191	Colour6
			192-222	Rotate reverse (fast to slow)
			223-224	Stop
			225-255	Rotate forward (slow to fast)
[CH13]	[CH14]	Color2	0-255	
[CH14]	[CH15]	Gobo		
			0-9	White
			10-19	Gobo1
			20-29	Gobo2
			30-39	Gobo3
			40-49	Gobo4
			50-59	Gobo5
			60-69	Gobo6
			70-79	Gobo7
			80-89	Gobo8
			90-94	Shake slow to fast Gobo2
			95-99	Shake slow to fast Gobo2
			100-104	Shake slow to fast Gobo3
			105-109	Shake slow to fast Gobo4
			110-114	Shake slow to fast Gobo5
			115-119	Shake slow to fast Gobo6
			120-124	Shake slow to fast Gobo7
			125-129	Shake slow to fast Gobo8
			130-190	Rotate reverse (fast to slow)
			191-192	Stop
			193-255	Rotate forward (slow to fast)

[CH15]	[CH16]	Rot Gobo		
			0-9	White
			10-19	Gobo1
			20-29	Gobo2
			30-39	Gobo3
			40-49	Gobo4
			50-59	Gobo5
			60-69	Gobo6
			70-79	Gobo7
			80-89	Shake slow to fast Gobo1
			90-99	Shake slow to fast Gobo2
			100-109	Shake slow to fast Gobo3
			110-119	Shake slow to fast Gobo4
			120-129	Shake slow to fast Gobo5
			130-139	Shake slow to fast Gobo6
			140-149	Shake slow to fast Gobo7
			150-190	Rotate reverse (fast to slow)
			191-192	Stop
			193-255	Rotate forward (slow to fast)
[CH16]	[CH17]	Gobo.Rot		
			0-127	0-360(degree)
			128-190	Rotate reverse (fast to slow)
			191-192	Stop
			193-255	Rotate forward (slow to fast)
	[CH18]	Gobo.R F	0-255	
[CH17]	[CH19]	Eft Irt	0-255	
[CH18]	[CH20]	Eft Gobo	0-255	
[CH19]	[CH21]	Focus	0-255	Far to near
[CH20]	[CH22]	Focus F	0-255	
[CH21]	[CH23]	Zoom	0-255	Large to small
	[CH24]	Zoom F	0-255	
[CH22]	[CH25]	Prism1		
			0-127	None
			128-255	Inert prism1
[CH23]	[CH26]	Prism1.R		
			0-127	0-360(degree)
			128-187	Rotate forward (fast to slow)
			188-195	Stop
			196-255	Rotate reverse (slow to fast)
[CH24]	[CH27]	Pri.R1 Fine	0-255	
	[CH28]	Empty	0-255	
	[CH29]	Empty	0-255	
[CH25]	[CH30]	Frost1		

			0-3	None
			4-255	Linear frost
[CH26]	[CH31]	CUT1	0-255	
[CH27]	[CH32]	CUT2	0-255	
[CH28]	[CH33]	CUT3	0-255	
[CH29]	[CH34]	CUT4	0-255	
[CH30]	[CH35]	CUT5	0-255	
[CH31]	[CH36]	CUT6	0-255	
[CH32]	[CH37]	CUT7	0-255	
[CH33]	[CH38]	CUT8	0-255	
[CH34]	[CH39]	Cut Rot	0-255	
[CH35]	[CH40]	Iris	0-255	
[CH36]	[CH41]	Reset		
			0-149	None
			150-159	None
			160-209	None
			210-215	Reset XY motor over 3 second
			216-219	None
			220-235	Reset Effect motor over 3 second
			236-239	None
			240-255	Reset fxiture over 3 second