7r 230w beam moving head light

Menu structure

main ---set up ----run mode
----DMX address
----channel mode
----X Reverse
----Y Reverse
----Y Reverse
---- XY speed
----none DMX signal
----screen saver
----lamp on
--A linear change color wheel
--Default Settings

--hand

--system --software version
--DMX Channel value monitoring
--System error record
--A total of time
--The use of time
--Total light soaking time
--The light soaking time

--advanced --Reset the calibration
--The biggest bright time
--Bright time reset
--sensor monitoring

--Chinese-English shift
--Rotate

- Set up

option	Description	
Run mode	DMX	From the machine status: receiving DMX signal from the controller or host
	Auto run 1	Host status: since go and send the DMX signal from machine
	Auto run 2	
	Auto run 3	
	Auto run 4	
	8	
	0	
	8	
	8	
	Auto run	
	Voice control	
DMX address	1~512	Press "enter" button to enter edit state. At this point is selected one hundred, press the "up" "down" key to change the address code. Press the "enter" button once again and selected 10 editor. Press the "enter" button once again and select bits editor. According to the state of an exit the editor again
CH mode	Standard 16CH	Standard 16CH，17 ~ 20 channel is invalid
	Extend 20CH	Extend 20CH，17 ~ 20 channel control speed
X Reverse	off	
	on	
Y Reverse	off	
	on	
XY change	off	
	on	The exchange of XY channels (including fine-tuning)
XY encoder	on	Using encoder (light coupling) judging out-of-step and automatically correct position
	off	Do not use the encoder (light coupling) correct position
None dmx signal	keep	According to the original state continues to run
	reset	The motor return, stop running
Screen saver	on	Close the back lit idle for 30 seconds
	off	Back lit yongliang
Lamp on	off	After power on reset directly, not light bulb (menu or control table has to be used to manually light bubble)
	on	Electric light automatically after the bubble, and to wait for the light bulb lights up the success had only then to reset
A linear change color wheel	on	A linear change color wheel
	off	Nonlinear change color wheel, a color change
Default Settings		Click 'enter" button after see confirmation dialog, press the "enter" key again to restore the default Settings

manual control

This interface is used to control the current of lamps and lanterns, and at the same time automatically enter the host status (not receiving DMX signal, sent a DMX signal to the bus to from the machine).

Manual menu will according to the standards set by the Settings menu 16 channel or extended 20 channel model, the corresponding display 16 channels or 20.

option	Description	
1CH. Color wheel	0~255	Press "enter" button to enter edit state. At this point is selected one hundred, press the "up" "down" key values change channels. Press the "enter" button once again and selected 10 editor. Press the "enter" button once again and select bits editor. According to the state of an exit the editor again
……	0~255	
14CH.Marco	0~255	
15CH.reset		Press "enter" after seeing confirmation dialog box, press the "enter" key once again, into the reset interface, reset all motor
16CH.lamp control	on	
	off	
17CH. XY speed	0~255	Channel mode “extend CH20”
18CH. Color wheel speed	0~255	Channel mode “extend CH20”
19CH. That move light - the prism - spray speed	0~255	Channel mode “extend CH20”
20CH. Gobo wheel speed	0~255	Channel mode “extend CH20”

system information

option	Description
software version	The current software version
DMX value	This child into the interface, display as a percentage value and channel value for viewing
System error record	If the ERR red light shine, lamps and lanterns is operation error, can enter the child interface for details. After the view can press "clear" the error record to empty **Note: sometimes it's not really the installation of hall or light coupling problem, but to meet the electrical wire**
A total of time	Cumulative time (accurate to minutes)
The use of time	The use of this boot since time (down to minute)
Total light soaking time	Total light bubble time (accurate to minutes)
The light soaking time	The light soaking time (accurate to minutes)

Error information	Description
Motor reset fails, a serial port error	Driver board didn't respond. Connect the display board and drive board serial port communication line has a problem, or there is something wrong with the driver board.
The X axis reset failed	X axis photoelectric switch, or X axis motor has a problem
Y reset failed	Y photoelectric switch, or Y axis motor has a problem
X Hall error"	The X axis hole has a problem
Y Hall error	Y hall has a problem
Color plate reset failed	Color plate hole, or color plate of motor has a problem
Pattern plate reset failed	Hall, or the pattern plate of motor has a problem
。。。	All kinds of motor reset problem with hall
Focusing reset failed	Adjustable JiaoHuoEr, or focus motor has a problem
Prism focusing reset failed	Prism JiaoHuoEr, or prisms focus motor has a problem
The light bulb control failure	Bright or destroy dip failure, lighting apparatus, or the light bulb has a problem
Bright soak time is too long, please change to bubble!	Total light bubble time more than the "advanced" menu setting the maximum light soaking time, prompt the user to change the gun. In bubble in the "advanced" menu after light soaking time, clear bright time to time.

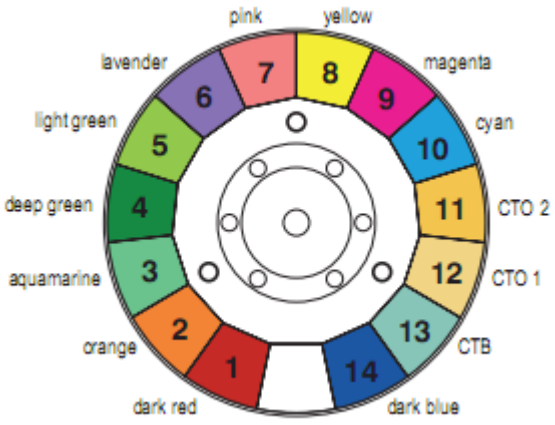
- **Advanced**
- **Set a password here, prevent the non-professional workers wrong operation. The default password is "up and down up and down". Press the "ok" key password authentication.**

option		Description
Reset the calibration		After the child into the interface, it can adjust the reset of X axis and Y axis motor position, in order to make up for the error of hardware installation, adjustment range - 128 ~ + 127, + 0 means no adjustment.
The biggest bright time		0-9999 hours, operating the largest bright bubble time there will be an alarm system
Bright time reset		After reset, light soaking time to time
sensor monitoring		Real-time monitor the lamp on all kinds of photoelectric switches, hall sensors

Control Board (Channel List)

CHANNEL	CHANNEL MODE	
	16	20
1	COLOUR WHEEL	COLOUR WHEEL
2	STOP/STROBE	STOP/STROBE
3	DIMMER	DIMMER
4	STATIC GOBO CHANGE	STATIC GOBO CHANGE
5	PRISM INSERTION	PRISM INSERTION
6	PRISM ROTATION	PRISM ROTATION
7	EFFECTS MOVEMENT	EFFECTS MOVEMENT
8	empty	empty
9	FOCUS	FOCUS
10	PAN	PAN
11	PAN FINE	PAN FINE
12	TILT	TILT
13	TILT FINE	TILT FINE
14	MARCO FUNCTION	MARCO FUNCTION
15	RESET	RESET
16	LAMP CONTROL	LAMP CONTROL
17		PAN-TILT TIME
18		COLOUR TIME
19		DIMMER-PRISM-FROST TIME
20		GOBO TIME

- **COLOUR WHEEL - channel 1**



BIT	EFFECT	Remarks
255	Color from slow to fast flowing water effect	
……	……	
150	Color from slow to fast flowing water effect	
145	purplish red + WHITE	Number is always multiples of 5. Linear change： The color digits are always a multiple of 5. The color scale can be adjusted, for example: If digit is 5: 50% white,50% red; If digit is 4: 60% white and 40% red; If digit is 6: 40% white,60% red. Non-linear changes： Color to be adjusted as a unit with color. Color film can be "linear" and "non-linear" selected via the Settings menu.
140	purplish red	
135	brown + purplish red	
130	brown	
125	fluorescence + brown	
120	fluorescence	
115	CTO + fluorescence	
110	CTO	
105	Yellow green + CTO	
100	Yellow green	
95	Blue green + yellow green	
90	Blue green	
85	Pale blue purple+blue green	
80	Pale blue purple	
75	Tan + Pale blue purple	
70	tan	
65	Rose red + tan	
60	Rose red	
55	Orange + rose red	
50	orange	
45	GREEN + orange	
40	GREEN	
35	AQUAMARINE + GREEN	
30	AQUAMARINE	
25	ORANGE + AQUAMARINE	
20	ORANGE	
15	RED + ORANGE	
10	RED	
5	WHITE + RED	
0	WHITE	

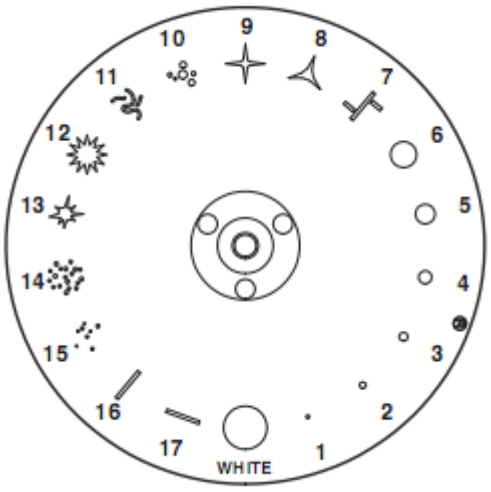
- **STOP/STOBE - channel 2**

BIT	EFFECT	Remarks
252-255	OPEN	Controlled by the dimmer channel
239-251	RANDOM FAST STROBE	
226-238	RANDOM MEDIUM STROBE	
213-225	RANDOM SLOW STROBE	
208-212	OPEN	Controlled by the dimmer channel
207	FAST PULSATION	
……	……	
108	SLOW PULSATION	
104-107	OPEN	Controlled by the dimmer channel
103	FAST STROBE	
……	……	
4	SLOW STROBE	
0-3	CLOSED	

- **DIMMER - channel 3**

BIT	EFFECT	Remarks
255	100%	
……	……	
0	0%	

- **STATIC GOBO CHANGE - channel 4**



BIT	EFFECT	Remarks
255	GOBO 17 SHAKE, FAST SPEED	5 figures correspond to a pattern
……	……	
251	GOBO 17 SHAKE, SLOW SPEED	
250	GOBO 16 SHAKE, FAST SPEED	
……	……	
246	GOBO 16 SHAKE, SLOW SPEED	
……	……	
180	GOBO 2 SHAKE, FAST SPEED	
……	……	
176	GOBO 2 SHAKE, SLOW SPEED	
175	GOBO 1 SHAKE, FAST SPEED	
……	……	
171	GOBO 1 SHAKE, SLOW SPEED	
170	FAST ROTATION	
……	……	
135	SLOW ROTATION	
130-134	STOP	
129	SLOW ROTATION	
……	……	
90	FAST ROTATION	
85	GOBO 17	Number is always multiples of 5.
80	GOBO 16	
75	GOBO 15	
70	GOBO 14	
65	GOBO 13	
60	GOBO 12	
55	GOBO 11	
50	GOBO 10	
45	GOBO 9	
40	GOBO 8	
35	GOBO 7	
30	GOBO 6	
25	GOBO 5	
20	GOBO 4	

15	GOBO 3	
10	GOBO 2	
5	GOBO 1	
0	WHITE	

- **PRISM INSERTION - channel 5**

BIT	EFFECT	Remarks
128-255	PRISM INSERTED	
0-127	PRISM EXCLUDED	

- **PRISM ROTATION - channel 6**

BIT	EFFECT	Remarks
255	FAST ROTATION	
……	……	
193	SLOW ROTATION	
191-192	STOP	
190	SLOW ROTATION	
……	……	
128	FAST ROTATION	
0-127	POSITION	

- **EFFECTS MOVEMENT - channel 7**

BIT	EFFECT	Remarks
255	100%	
……	……	
0	0%	

- **channel 8**

BIT	EFFECT	Remarks
	empty	
	empty	

- **FOCUS - channel 9**

BIT	EFFECT	Remarks
255	100%	
……	……	
0	0%	

- **PAN - channel 10** （...）
- **PAN FINE - channel 11** （...）
- **TILT - channel 12** （...）
- **TILT FINE - channel 13** （...）
- **MACRO FUNCTION - channel 14(...)**

- **RESET - channel 15**

BIT	EFFECT	Remarks
128-255	COMPLETE RESET	Reset is activated passing through the unused range and staying 5 seconds.
77-127	PAN/TILT RESET	
26-76	EFFECTS RESET	
0-25	UNUSED RANGE	

- **LAMP CONTROL- channel 16**

BIT	EFFECT	Remarks
101-255	LAMP ON	Lamp switch passing through the unused range and staying 5 seconds.
10-100	LAMP OFF	
0-9	UNUSED RANGE	

- **TIMING CHANNELS**

	Timing Channel	Channel function	Remark	
17	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255	SLOW SPEED
18	Colour time	Colour wheel	……	……
19	Beam time	Dimmer-Prism -Frost	0	FAST SPEED
20	Gobo time	Static Gobo		

(Special Instructions)

- Reset process, long press 5 seconds touch screen, or press the OK button 5 seconds, interrupt reset.
- On power-up and hold the Enter key or press the touch screen interrupt reset process and enter Test mode.
- DMX address is set to 512, back to the main screen, press "512" five seconds on the touch screen, or press the OK button 5 seconds, you can set the "Show" or "Hide" LOGO.
- Gobo and color wheel with automatic detection of magnetic correction function. Hall's installation needs attention, the channel is zero, even if a reset calibration fine-tuning, but also on the best magnetic, gobo and color wheel to reset the calibration range outside + -20, zero correction functions will not work: if the upper magnetic, so users in a certain light patterns or color wheel disc out of step when found, will push channel value to zero, the system will automatically gobo or color wheel to reset the correction.
- Signal lights：
  - ERR red light flashes to indicate an error message, go to the "Information" -> "System error" View.
  - DMX blue light, normally on said DMX signal is received，Off means no DMX signal.
  - Motor driver board the blue light, if one second intervals blinks quickly, the reception to the display panel sent by the serial signal; if slow blinking interval of 2 seconds, indicating no serial signals with flashing lights to indicate the system is running; if the indicator light is on or off, it indicates a problem with the motor driver board.