QSE QS M9 A101

7R 230W beam lamp specification

China > Beam7R > 20ch

China_Beam7R_20ch.hcd

➢ menu structure

➢ **The main interface**

- --- Set up
  - ---- Run mode
  - --- DMX address
  - --- Channel mode
  - ---- X reversal
  - ----Y reversa
  - --- XY Encoder
  - ---- No DMX signal
  - ---- Screen saver
  - ---- Power lamp on / off
  - -- Linear change color wheel
  - -- Restore Default Settings
- -- Manual
- -- System
  - -- Software Version
  - -- DMX channel value monitoring
  - -- System Error Log
  - -- Total time
  - -- The use of time
  - -- Total bright bubble time
  - -- The bright bubble time
- -- Advanced
  - -- Reset calibration
  - -- Maximum light bulbs time
  - -- Bright bubble time cleared
  - -- Sensors monitor
- -- Chinese / English switch
- -- Screen Rotation

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➢ **Set**

Options		Explanation
Run mode	DMX	Slave Status: receiving a signal from DMX console or host
	Auto 1	Host Status: automatically run and send a signal to the slave DMX
	Auto 2	
	Auto 3	
	Auto 4	
	Effect 1	
	Effect 2	
	Effect 3	
	Effect 4	
	Random Run	
	Sound	
DMX address	1~512	Press "OK" button to enter the edit mode. At this point is to select one hundred and press "up" "down" key to change the address code. Press the "OK" button to select ten editing. Press the "OK" button to select a digit to edit. Press again to exit edit mode
Channel mode	Standard 16CH	Standard 16-channel mode, the first 17 to 20 channels invalid
	Extended 20CH	Extended 20-channel mode, the first 17 to 20 channels control the speed (see channel list)
X reversal	OFF	
	ON	
Y Reversa	OFF	
	ON	
XY Exchange	OFF	
	ON	Exchange channel XY axes (including trim)
XY Encoder	ON	Use encoder (opto) judge out of step and automatically correct the position
	OFF	Without encoder (optocoupler) to correct position
No DMX signal	Keeping	Original state continues to run
	Cleared	Motor return, stop running
Screen saver	ON	Idle 30 seconds after turning off the backlight
	OFF	Anthony backlight
Power light bulbs	OFF	Directly after power-on reset; no light bulbs (need to use the menu or console to manually light bulbs)
	ON	Automatically after power light bulbs, and to wait until the lamp is lit successfully reset
Linear change color wheel	ON	Linear change color wheel
	OFF	Nonlinear changes color wheel, half color change
Restore Default Settings		Press the "OK" button to see the confirmation dialog box, press the "OK" key to restore the default settings

manual control

This interface is used to control the current lighting, and automatically enters the host state (does not receive DMX signals emitted from the machine to the DMX signal to the bus)。

According to the standard settings menu to manually set menu or extended 16-channel 20-channel mode, the corresponding display 16 channels or 20 channels。

Options	Explanation	
17CH. XY speed	0~255	Channel mode is displayed as "extended CH20"
18CH. Color wheel speed	0~255	Channel mode is displayed as "extended CH20"
19CH Dimmer -. Prism - fog, speed	0~255	Channel mode is displayed as "extended CH20"
20CH. Gobo wheel speed	0~255	Channel mode is displayed as "extended CH20"

CHANNEL	CHANNEL MODE					
	16CH			20CH		
1	PAN(X)			PAN(X)		
2	TILT(Y)			TILT(Y)		
3	PAN FINE			PAN FINE		
4	TILT FINE			TILT FINE		
5	DIMMER			DIMMER		
6	STOP/STROBE			STOP/STROBE		
7	COLOR WHEEL			COLOR WHEEL		
8	GOBO WHEEL			GOBO WHEEL		
9	FOCUS			FOCUS		
10	PRISM INSERTION			PRISM INSERTION		
11	PRISM ROTATION			PRISM ROTATION		
12	FROST			FROST		
13	X/Y MOVEMENT SPEED			X/Y MOVEMENT SPEED		
14	MARCO FUNCTION			MARCO FUNCTION		
15	RESET			RESET		
16	LAMP CONTROL	ON	101-255	LAMP CONTROL	ON	101-255
		OFF	10-100		OFF	10-100
17	----------			PRISM/FROST MAGNIFY		
18	----------			COLOR WHEEL SPEED		
19	----------			DIMMER-PRISM-FROST TIME		
20	----------			GOBO WHEEL SPEED		

System Information

Options	Explanation
Software Version	The current software version
DMX channel values	Thus entered the sub-interface, numerical and percentage values for the viewing channel
System Error Log	If the red ERR indicator lights, indicating lamps run error, the details can thus enter the sub-screen viewing. When you are finished press the "Clear" button to clear the error log Note: Sometimes the problem is not really install or optocoupler Hall, but the motor lines reversed
Total time	Cumulative usage time (accurate to the minute)
The use of time	The boot time since (to the minute)
Total bright bubble time	Cumulative bright bubble time (accurate to the minute)
The bright bubble time	The light bulb time (accurate to the minute)

Options Explanation	Explanation
Motor reset failed, serial error	Driver board did not respond. Connecting the display panel and the driver board serial communication lines have a problem, or a problem with the drive plate.
X-axis reset fails	X-axis photoelectric switch, or the X-axis motor problems
X-axis reset fails	Y-axis photoelectric switch, or the Y-axis motor problems
X-axis Hall error	X-axis Hall problem
Y-axis Hall error	Y-axis Hall problem
Color Wheel fail reset	Hall color wheel or color wheel motor problems
Gobo reset fails	Gobo Hall, or gobo wheel motor problems
Focusing reset failed	Focusing Hall, or focusing motor problems
Prism focusing reset fails	Prism focusing Hall, or prism focusing motor problems
Lamp control failure	Light bulbs or bulbs off failed igniter or bulb problem
Bright bubble too long, please change bulbs!	Cumulative time exceeds the maximum bright light bulb bubble time "Advanced" menu settings, prompts the user to swap guns. After changing light bulbs clear bubble time in the "Advanced" menu, light bulbs time to re-timing.

Advanced

Here a layer of password settings to prevent the misuse of non-professionals.。 Press "OK" key to enter the password after password verification.

Options		Explanation
Reset calibration		After entering the sub-interface, adjustable reset position X-axis, Y-axis motor, etc., in order to compensate for the error on the hardware installation, adjustment range of -128 to +127, +0 means no adjustment.
Maximum light bulbs time		0-9999 hours operating time of maximum light bulb will alert notification system
Bright bubble time cleared		Later cleared, bright bubble time re-timing
Sensors monitor		Real-time monitoring of light on a variety of photoelectric switches, Hall sensors, such as state

Input voltage: AC 110 ~ 240V　　Osram ： 230W bulbs　（Life: 3500 hours）

➢ **DIMMER - channel 5**

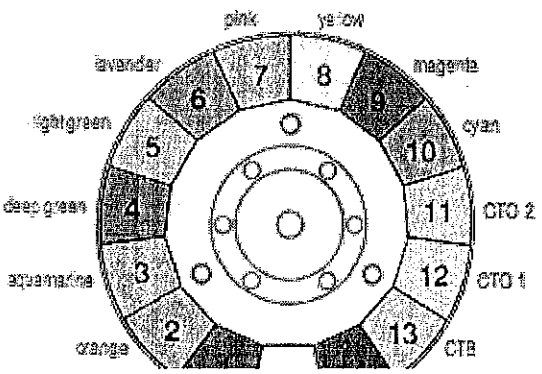
BIT	EFFECT
255	100%
……	……
0	0%

➢ **STOP/STOBE - channel 6**

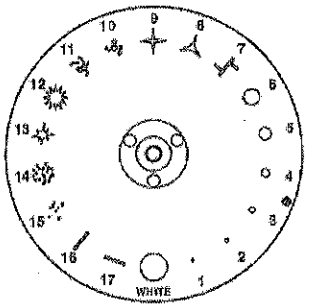
BIT	EFFECT
252-255	OPEN
239-251	RANDOM FAST STROBE
226-238	RANDOM MEDIUM STROBE
213-225	RANDOM SLOW STROBE
208-212	OPEN
207	FAST PULSATION
……	……
108	SLOW PULSATION
104-107	OPEN
103	FAST STROBE
……	……
4	SLOW STROBE
0-3	CLOSED

➢ **COLOUR WHEEL - channel 7**

BIT	EFFECT	Remark
255	FAST ROTATION	
.....	.....	
150	SLOW ROTATION	
145	BLUE + WHITE	In order to facilitate memory, the color value is always a multiple of 5. Linear change: Adjustable color scale, for example: the value of 5:00 Crimson 50% white 50%, if the number is four white Crimson 40% to 60%; If the value of 40% for the six white Crimson 60%. Nonlinear changes: Adjust colors with color units. Color film can be "linear" and "non-linear" Select the setup menu.
140	BLUE	
135	CTB 8000 + BLUE	
130	CTB 8000	
125	CTO 190 + CTB 8000	
120	CTO 190	
115	CTO 260 + CTO 190	
110	CTO 260	
105	CYAN + CTO 260	
100	CYAN	
95	MAGENTA + CYAN	
90	MAGENTA	
85	YELLOW + MAGENTA	
80	YELLOW	
75	PINK + YELLOW	
70	PINK	
65	LAVENDER + PINK	
60	LAVENDER	
55	LIGHT GREEN + LAVENDER	
50	LIGHT GREEN	
45	GREEN + LIGHT GREEN	
40	GREEN	
35	AQUAMARINE + GREEN	
30	AQUAMARINE	
25	ORANGE + AQUAMARINE	
20	ORANGE	
15	RED + ORANGE	
10	RED	
5	WHITE + RED	
0	WHITE	



STATIC GOBO CHANGE - channel 8

BIT	EFFECT	Remark
255	GOBO 17 SHAKE, FAST SPEED	Each value corresponds to a pattern of five 
.....	.....	
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	Value is always a multiple 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	

➢ FOCUS - channel 9

BIT	EFFECT	Remark
255	100%	
……	……	
0	0%	

➢ PRISM INSERTION - channel 10

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

➢ PRISM ROTATION - channel 11

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

➢ FROST - channel 12

BIT	EFFECT	Remark
128-255	FROST INSERTED	
0-127	FROST EXCLUDED	

➢ Pan-Tilt-TIME- channel 13

	Timing Channel	Channel function	Remark	
13	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255	SLOW SPEED
			……	……
			0	FAST SPEED

➢ MACRO FUNCTION - channel 14

BIT	EFFECT	备注
0-5	UNUSED RANGE	
6-15	MARC FUCTION 1	1-15 macro functions act only on the color wheel, gobo wheel, prism, prism rotation. Macro function has priority compared to other channels, that is, when executing the macro function, channel1, channel2,
……	……	
146-155	MARC FUCTION 15	
156-165	AUTO MODE 1	
166-175	AUTO MODE 2	
176-185	AUTO MODE 3	

186-195	AUTO MODE 4	channel5, channel6 invalid.
196-205	AUTO DRAW UP8	
206-215	AUTO DRAW FORWARD 0	
216-225	AUTO DRAW FORWARD STAND8	
226-235	AUTO DRAW FORWARD SLEEP8	
236-245	AUTO RUN RANDOM MODE	
246-255	SOUND CONTROL MODE	

- **RESET - channel 15**

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

- **EFFECTS MOVEMENT - channel 17**

BIT	EFFECT
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- **TIMING CHANNELS**

	Timing Channel	Channel function	Remark	
18	Colour time	Colour wheel	255	SLOW SPEED
19	Beam time	Dimmer-Prism -Frost	.....	.....
20	Gobo time	Static Gobo	0	FAST SPEED