

17R 350W Beam Moving Head Beam+Wash+Beam 3 IN 1



User Manual

一. Menu

➤ menu structure

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Setting

Function	Instruction	
Operating mode	DMX	Slave status: Receive DMX signal from controller or master
	auto running 1	Master mode: auto-running and send dmx signal to slave light
	auto running 2	
	auto running 3	
	auto running 4	
	Draw " 8"	
	Draw forward "0"	
	Draw vertical "8"	

	Draw down the sleeping direction "8"	
	Random Auto	
	Sound control	
DMX address	1~512	Press "enter" button to enter edit mode. In this case, select Hundreds, press "Up" and "Down" to change the address code. Press "enter" again to select ten digit editors. Press "enter" again to select single digit edit. Press again to exit edit mode
Channel mode	Standard 18CH	Standard 18 channel mode, the first 18 ~ 22 channel is invalid
	Extend 22CH	Extended 22-channel mode, 18 ~ 22 channel control speed (see channel table)
X Reverse	Turn off	
	Turn on	
Y Reverse	Turn off	
	Turn on	
XY Exchange	Turn off	
	Turn on	Exchange XY channels (including fine-tuning)
XY Encoder	Turn on	Using encoder (optocoupler) to determine the out-of-step and automatically correct the position
	Turn off	Correct position without encoder (optocoupler)
no DMX signal	Keep on	Continue to operate as it is
	Clear	motor reset,stop running
Screen saver	Turn on	Turn off the backlight after 30 seconds idle
	Turn off	the backlight is on forever
Turn on the lamp	Turn off	Direct reset after power on, the Lamp is not on (need to use the menu or the controller to manually lamp on)
	Turn on	After the power on automatically lamp on, and wait for the lamp on before resetting
Color wheel linear change	Turn on	Color wheel linear change
	Turn off	color wheel Nonlinear changes, half color change
Restore the default settings		press"ENTER" to show confirmation dialog window,press the "enter" button to restore the default settings

➤ Manual control

This interface is used to control the current fixture, and automatically enter the master state (do not receive DMX signal)

The manual menu will display 18 channels or 22 channels corresponding to the standard 18-channel or extended 22-channel mode set in the setup menu.

Function	Instruction	
1CH. Color wheel	0~255	Press "enter" button to enter edit mode. In this case, select Hundreds, press "Up" and "Down" to change channel value. Press "enter" again to select ten digit editors. Press "enter" again to select single digit edit. Press again to exit edit mode
.....	0~255	
17CH. Frost	0~255	

18CH. Reset		Press "enter" to show the confirmation dialog window, press "enter" again to enter reset interface, all motor reset
18CH. Lamp control	Turn on	
	Turn off	
19CH. XY speed	0~255	Displayed when channel mode is "Expanded CH22"
20CH. Color wheel speed	0~255	Displayed when channel mode is "Expanded CH22"
21CH. Dimming-prism-speed	0~255	Displayed when channel mode is "Expanded CH22"
22CH. Gobo wheel speed	0~255	Displayed when channel mode is "Expanded CH22"

➤ System information

Item	Instruction
Software version	the current Software version
DMX channel value	This brings you to the sub-screen to display the channel values in numerical and percentage for viewing
System error record	If the red ERR indicator is on, it indicates that the lamp is running incorrectly. For details, you can enter the sub interface to view it. After checking, press "Clear" key to clear the error record . Note: Sometimes it is not really Hall or optocoupler installation problem, but the motor line is reversed .
Total usage time	Cumulative usage time (accurate to minute)
This time usage time	The use of time since the start (accurate to minute)
The time of total lamp is on	Cumulative the time of lamp is on (accurate to minute)
The time of this time lamp is on	The time of this time lamp is on (accurate to minute)

Error message	Instruction
Motor reset failed, serial port error	Driver board did not respond. There is a problem with the serial communication line connecting the display board to the driver board or there is a problem with the driver board.
X-axis reset failed	X-axis photoelectric switch, or X-axis motor problem
Y-axis reset failed	Y-axis photoelectric switch, or Y-axis motor problem
X-axis Hall error	X-axis Hall has a problem
Y-axis Hall error	Yaxis Hall has a problem
Color wheel reset failed	Color wheel Hall, or color wheel motor problems
Gobo wheel reset failed	gobo wheel Hall, or gobo wheel motor problems
Focus reset failed	Focus Hall, or focus motor problems
Prism Focus reset failed	Prism focus Hall, or prism focus motor problems
Lamp control failed	Turn on the lamp or turn off the lamp failed, the ballast or lamp problems
Time of The lamp is on too long please change the lamp	The time of accumulated lamp is on exceeds the maximum time of lamp is on set in the "Advanced" menu, prompting the user to change the lamp in time. After changing the lamp in the "Advanced" menu to clear the time of lamp is on, the time of the lamp is on re-timing.

➤ **Advanced**

Set a password here to prevent non-professionals from misuse. The default password is "up and down". Press "enter" key for password verification.

Item	Instruction
Reset calibration	Into the sub-interface, you can adjust the X-axis, Y-axis motor reset position to compensate for the error on the hardware installation, adjustment range -128 ~ +127, +0 means no adjustment.
The maximum time of lamp is on	0-9999 hours, the operation of the maximum time of lamp is on the system will alert
The time of lamp is on cleared	After clear, the time of lamp is on re-timing
Sensor monitoring	Real-time monitoring of a variety of photoelectric switches, Hall and other sensor status

➤ **Channel Table**

CH	CHANNEL MODE	
	18	22
1	Color wheel	Color wheel
2	Shutter	Shutter
3	Dimming	Dimming
4	Static gobo wheel	Static gobo wheel
5	Effect gobo wheel	Effect gobo wheel
6	Effect gobo rotation	Effect gobo rotation
7	Prism 1	Prism 1
8	Prism 1 rotation	Prism 1 rotation
9	Prism 2	Prism 2
10	Prism 2 rotation	Prism 2 rotation
11	Zoom	Zoom
12	focus	focus
13	X	X
14	X fine-turning	X fine-turning
15	Y	Y
16	Y fine-turning	Y fine-turning
17	Frost	Frost
18	Lamp control & Reset	Lamp control & Reset
19	No function	XY speed
20	No function	Color wheel speed
21	No function	Dimming- prism speed
22	No function	Gobo wheel speed

➤ **Color wheel - Channel 1**

BIT	EFFECT	Remarks
255	Fast Rotation	
.....	
201	Slow Rotation	

200	Slow Rotation	
.....	
140	Fast Rotation	
135	CTB 8000 + Blue	<p>In order to facilitate memory, the color value is always a multiple of 5.</p> <p>Linear change: The color scale is adjustable , For example: the value of 5, white 50%,dark red 50%</p> <p>If the value is 4, white 60%, dark red 40%; If the value is 6, white 40%, dark red 60%.</p> <p>Non-linear changes: The color is adjusted with the unit of color. The settings menu allows you to make "linear" and "non-linear" choices for the color swatches.</p>
130	CTB 8000	
125	Brown + Fluorescence	
120	Brown	
115	Purple + brown	
110	Purple	
105	Cyan + Purple	
100	Cyan	
95	Yellow + Cyan	
90	Yellow	
85	Cold + Yellow	
80	Cold	
75	Brown+ Cold	
70	Brown yellow	
65	Light yellow+ brown yellow	
60	Light yellow	
55	Blue + light yellow	
50	Blue	
45	Yellow+ Blue	
40	Dark green	
35	Dark yellow	
30	Rose red + dark yellow	
25	Blue green+ rose red	
20	Blue green	
15	Dark Red + blue green	
10	Dark Red	
5	White + Dark red	
0	White	

➤ **Shutter - Channel 2**

BIT	EFFECT	Remarks
252-255	OPEN	Control by dimming channel
250	FAST STROBE	
.....	
4	SLOW STROBE	
0-3	CLOSED	

➤ **Dimming - Channel 3**

BIT	EFFECT	Remarks
255	100%	
.....	
0	0%	

➤ **Static gobo - Channel 4**

BIT	EFFECT	Remarks
255	Fast rotation (forward)	
.....	
201	Slow rotation (forward)	
200	Slow rotation (Reverse)	
.....	
150	Fast rotation (Reverse)	
149	Gobo 14 Shake, Fast speed	Each 5 values correspond to a gobo
.....	
145	Gobo 14 Shake, Slow speed	
144	Gobo13 Shake , fast speed	
.....	
140	Gobo 13 shake, Slow speed	
.....	
89	Gobo 2 Shake ,fast speed	
.....	
85	Gobo2 shake , slow speed	
84	Gobo 1 Shake ,fast speed	
.....	
80	Gobo 1 Shake , slow speed	
79	White shake , fast speed	
.....	
75	White shake , slow speed	The value is always a multiple of 5
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	

➤ **Effect Gobo - Channel 5**

BIT	EFFECT	Remarks
255	Fast rotation (forward)	

.....	
201	Slow rotation (forward)	
200	Slow rotation (Reverse)	
.....	
150	Fast rotation (Reverse)	
149	Gobo 9 Shake , fast speed	Each 5 values correspond to a gobo
.....	
145	Gobo 9 Shake , slow speed	
144	Gobo 8 Shake , fast speed	
.....	
140	Gobo 8 Shake , slow speed	
.....	
109	Gobo 1 Shake , fast speed	
.....	
105	Gobo 1 Shake , slow speed	
104	White shake , fast speed	The value is always a multiple of 5
.....	
100	White shake , slow speed	
90	GOBO 9	
80	GOBO 8	
70	GOBO 7	
60	GOBO 6	
50	GOBO 5	
40	GOBO 4	
30	GOBO 3	
20	GOBO 2	
10	GOBO 1	
0	WHITE	

➤ **Effect gobo rotation- Channel 6**

BIT	EFFECT	Remarks
255	Fast rotation (forward)	
.....	
192	Slow rotation (forward)	
191	Slow rotation (Reverse)	
.....	
128	Fast rotation (Reverse)	
0-127	Angle adjustment	

➤ **Prism insertion- Channel 7**

BIT	EFFECT	Remarks
128-255	Insert the prism	
0-127	Remove the prism	

➤ **Prism rotation - Channel 8**

BIT	EFFECT	Remarks
255	Fast rotation (forward)	
.....	
191	Slow rotation (forward)	
190	Slow rotation (Reverse)	
.....	
128	Fast rotation (Reverse)	
1-127	Angle adjustment	
0	Stop	

➤ **Prism 2 insertion - Channel 9**

BIT	EFFECT	Remarks
128-255	Insert the prism	
0-127	Remove the prism	

➤ **Prism 2 Rotation - Channel 10**

BIT	EFFECT	Remarks
255	Fast rotation (forward)	
.....	
191	Slow rotation (forward)	
190	Slow rotation (Reverse)	
.....	
128	Fast rotation (Reverse)	
1-127	Angle adjustment	
0	Stop	

➤ **Zoom - Channel 11**

BIT	EFFECT	Remarks
255	Zoom 100%	
.....	
0	Zoom 0%	

➤ **FOCUS - Channel 12**

BIT	EFFECT	Remarks
255	Focus 100%	
.....	
0	Focus 0%	

- **PAN - Channel 13 (ellipsis)**
- **PAN Fine - Channel 14 (ellipsis)**
- **TILT - Channel 15 (ellipsis)**
- **TILT Fine - Channel 16 (ellipsis)**

➤ **Frost insertion - Channel 17**

BIT	EFFECT	Remarks
128-255	Insert Frost	
0-127	Remove the Frost	

➤ **Lamp control L & Reset - Channel 18**

BIT	EFFECT	Remarks
250-255	All motor reset	Turn on and off the lamp after 5 seconds in the corresponding area.
200-205	Turn on the lamp	
106-199	Invalid area	
100-105	Turn off lamp	
0-99	Invalid area	

➤ **Time Channels**

BIT	Function	Remark
17	Pan-Tilt-(Pan fine-Tilt fine)	255 Slow speed
18	Color wheel
19	Dimming-Prism	0 Fast speed
20	Static Gobo	

Special Instructions

- Reset process, long press 5 seconds touch screen, or long press 5 seconds OK key, interrupt reset.
- Press and hold the Enter key or press and hold the touch screen during power on, interrupt the reset process and enter the test mode.
- DMX address set to 512, back to the main interface, long press 5 seconds on the touch screen "512", or long press 5 seconds OK button, you can set the "show" or "hide" LOGO.
- Gobo wheel and color wheel with automatic magnetic detection error correction. When installing the Hall need to pay attention to, when the channel value is 0, even if the use of a reset calibration for fine-tuning, the best on the magnet, the gobo wheel and color wheel reset calibration range of + -20 outside the zero error correction Function will be invalid: If you can on the magnetic, then the user found a light gobo wheel or color wheel out of step, the channel value is pushed to 0, the system will automatically reset the gobo wheel or color wheel error correction.
- Signal indicator:
 - ERR red indicator flashes, indicating that there is an error message, go to the "Information" -> "System Error Message" view.
 - DMX blue light, always on means DMX signal is received, off means no DMX signal.
 - If the blue LED on the motor driver board flash quickly at 1 second interval, it indicates that the serial interface signal sent from the display panel has been received. If it is flash slowly at 2 second intervals, it indicates no serial interface signal and blinking Indicates that the system is running. If the indicator is always on or off, there is a problem with the motor driver board.