

# USER MANUAL

100W moving head light



# 11ch DMX512 channel table:

11 channels	function	DMX value	describe
1	X axis	0-255	Horizontal motor stroke
2	Y axis	0-255	Vertical motor travel
3	XY speed	0-255	Horizontal / vertical motor speed
4	Dimming	0-255	0---100%
5	Stroboscopic	0-15	No function
		16-255	Speed from fast to slow
6	Color plate	0-9	Color1 (color 1)
		10-19	Color1 + color2 (color 1 + color 2)
		20-29	Color2 (color 2)
		30-39	Color2 + color3 (color 2 + color 3)
		40-49	Color3 (color 3)
		50-59	Color3 + color4 (color 3 + Color 4)
		60-69	Color4 (color 4)
		70-79	Color4 + color5 (color 4 + color 5)
		80-89	Color5 (color 5)
		90-99	Color5 + color6 (color 5 + Color 6)
		100-109	Color6 (color 6)
		110-119	Color6 + color7 (color 6 + color 7)
		120-129	Color7 (color 7)
		130-139	Color7 + color8 (color 7 + color 8)
		140-149	Color8 (color 8)
		150-159	Color8 + Color1 (color 8 + color 1)
		160-207	Clock wise color from fast to slow
208-255	Counter clock wise color from slow to fast		
7	Fixed pattern plate	0-9	Gobo1 (pattern 1)
		10-19	Gobo2 (pattern 2)
		20-29	Gobo3 (pattern 3)
		30-39	Gobo4 (pattern 4)
		40-49	Gobo5 (pattern 5)
		50-59	Gobo6 (pattern 6)
		60-69	Gobo7 (pattern 7)
		70-79	Gobo8 (pattern 8)
		80-89	Gobo8 shaking
		90-99	Gobo7 shaking
		100-109	Gobo6 shaking
		110-119	Gobo5 shaking
		120-129	Gobo4 shaking
		130-139	Gobo3 shaking
		140-149	Gobo2 shaking
		150-159	Gobo1 shaking
		160-207	Clockwise STATIC_Gobo from fast to slow
208-255	CounterClockwise STATIC_Gobo from slow to fast		

8	Rotating pattern plate	0-9	Gobo1 (pattern 1)
		10-19	Gobo2 (pattern 2)
		20-29	Gobo3 (pattern 3)
		30-39	Gobo4 (pattern 4)
		40-49	Gobo5 (pattern 5)
		50-59	Gobo6 (pattern 6)
		60-69	Gobo7 (pattern 7)
		70-79	Gobo7 shaking
		80-89	Gobo6 shaking
		90-99	Gobo5 shaking
		100-109	Gobo4 shaking
		110-119	Gobo3 shaking
		120-129	Gobo2 shaking
		130-139	Gobo1 shaking
		140-197	Clockwise ROTATING_Gobo from fast to slow
198-255	CounterClockwise ROTATING_Gobo from slow to fast		
9	Gobo Rotation	0-127	Goborotate position
		128-191	Clockwise GOBO_Rate from fast to slow
		192-255	CounterClockwise GOBO_Rate from slow to fast
10	Focusing motor	0-255	Focus position
11	Prism motor	0-255	Prism position

16CH DMX512 channel table:

16 channels	function	DMX value	describe
1	X axis	0-255	Horizontal motor stroke
2	X-axis fine tuning	0-255	Pan fine [16 bit]
3	Y axis	0-255	Vertical motor travel
4	Y-axis fine tuning	0-255	Tilt fine [16 bit]
5	XY speed	0-255	Pan / tilt speed
6	Dimming	0-255	0-100
7	Stroboscopic	0-15	Open
		16-131	Strobe from slow to fast
		132-139	Open
		140-181	Fast close slow open
		182-189	Open
		190-231	Slow close fast open
		232-239	Open
		240-247	Random strobe

8	Color plate	248-255	Open
		0-9	Color1 (color 1)
		10-19	Color1 + color2 (color 1 + color 2)
		20-29	Color2 (color 2)
		30-39	Color2 + color3 (color 2 + color 3)
		40-49	Color3 (color 3)
		50-59	Color3 + color4 (color 3 + Color 4)
		60-69	Color4 (color 4)
		70-79	Color4 + color5 (color 4 + color 5)
		80-89	Color5 (color 5)
		90-99	Color5 + color6 (color 5 + Color 6)
		100-109	Color6 (color 6)
		110-119	Color6 + color7 (color 6 + color 7)
		120-129	Color7 (color 7)
		130-139	Color7 + color8 (color 7 + color 8)
		140-149	Color8 (color 8)
		150-159	Color8 + Color1 (color 8 + color 1)
		160-207	Clock wise color from fast to slow
		208-255	Counter clock wise color from slow to fast
		9	Fixed pattern plate
10-19	Gobo2 (pattern 2)		
20-29	Gobo3 (pattern 3)		
30-39	Gobo4 (pattern 4)		
40-49	Gobo5 (pattern 5)		
50-59	Gobo6 (pattern 6)		
60-69	Gobo7 (pattern 7)		
70-79	Gobo8 (pattern 8)		
80-89	Gobo8 shaking		
90-99	Gobo7 shaking		
100-109	Gobo6 shaking		
110-119	Gobo5 shaking		
120-129	Gobo4 shaking		
130-139	Gobo3 shaking		
140-149	Gobo2 shaking		
150-159	Gobo1 shaking		
160-207	Clockwise STATIC_Gobo from fast to slow		
208-255	CounterClockwise STATIC_Gobo from slow to fast		
10	Rotating pattern plate	0-9	Gobo1 (pattern 1)
		10-19	Gobo2 (pattern 2)
		20-29	Gobo3 (pattern 3)
		30-39	Gobo4 (pattern 4)
		40-49	Gobo5 (pattern 5)

		50-59	Gobo6 (pattern 6)
		60-69	Gobo7 (pattern 7)
		70-79	Gobo7 shaking
		80-89	Gobo6 shaking
		90-99	Gobo5 shaking
		100-109	Gobo4 shaking
		110-119	Gobo3 shaking
		120-129	Gobo2 shaking
		130-139	Gobo1 shaking
		140-197	Clockwise ROTATING_Gobo from fast to slow
		198-255	CounterClockwise ROTATING_Gobo from slow to fast
11	Gobo Rotation	0-127	Goborotate position
		128-191	Clockwise GOBO_Rate from fast to slow
		192-255	CounterClockwise GOBO_Rate from slow to fast
12	Focusing motor	0-255	Focus position
13	Prism motor	0-255	Prism position
14	Horizontal and vertical motor effect	0-15	No effect
		16-35	Macro 1 (effect 1)
		36-55	Macro 2 (effect 2)
		56-75	Macro 3 (effect 3)
		76-95	Macro 4 (effect 4)
		96-115	Macro 5 (effect 5)
		116-135	Macro 6 (effect 6)
		136-155	Macro 7 (effect 7)
		156-175	Macro 8 (effect 8)
		176-195	Macro 9 (effect 9)
		196-215	Macro 10 (effect 10)
		216-235	Macro 11 (effect 11)
		236-255	Macro 12 (effect 12)
15	Effect speed	0-255	Fast to slow
16	Macro function	0-69	No function
		70-89	Enable blackout while pan / tilt movement
		90-109	Disable blackout while pan / tilt movement
		110-129	Enable blackout while color change
		130-149	Disable blackout while color change
		150-169	Enable blackout while static gobo change
		170-189	Disable blackout while static gobo change
		190-209	Enable blackout while rotating gobo change
		210-229	Disable blackout while rotating gobo change
		230-239	System reset
		240-255	Sound alone

key operation, it will be turned off after 60 seconds, until it is turned on again when there is a key operation. After selecting the settings, press "enter" to save and exit the main menu.

## 9. Set fan

This option is to set the starting temperature of the fan. Press the "enter" key to enter the setting, and press the "up" or "down" key to set the starting temperature of the fan, ranging from 0 to 100. After selecting, press "enter" to save and exit the main menu.

## 10. Auto test

This option is the automatic test selection of lamps and lanterns. Press "enter" to enter the setting, press "up" or "down" to select whether to carry out automatic test operation, select "no" to indicate no automatic test, select "yes" to indicate automatic test, press "enter" to save and exit the main menu.

## 11. Factory defaults

This option is to select whether to restore the factory settings of the lamps. Press the "enter" key to enter the setting, press the "up" key or "down" key to select whether to restore the factory settings. All parameters are restored to the factory settings. Selecting "no" means not to restore the factory settings, "yes" means to restore the factory settings, and press "enter" to save and exit the main menu.

## Advanced (password: 888)

### 12. Pan offset (x-axis)

This option is to fine tune and set the initial position of X axis. Press enter to enter the setting, press up or down to adjust the initial position. There is a value range from - 127 to 127. After confirming the initial position, press "enter" to save and exit the main menu.

### 13. Tilt offset (Y-axis)

This option is to fine tune and set the initial position of Y axis. Press enter to enter the setting, press up or down to adjust the initial position. There is a value range from - 127 to 127. After confirming the initial position, press "enter" to save and exit the main menu.

### 14. Color offset