

Main Level	Programming Levels		Description
Setup	Pan Reverse	YES	Reverse pan operation
		NO	Normal pan operation
	Tilt Reverse	YES	Reverse tilt operation
		NO	Normal tilt operation
	Screen Rev	YES	Normal control screen view
		NO	Rotates control screen view 180°
	Pan Angle	540	Selects the 540° pan angle range
		360	Selects the 360° pan angle range
		180	Selects the 180° pan angle range
	Tilt Angle	250	Selects the 250° tilt angle range
		180	Selects the 180° tilt angle range
		90	Selects the 90° tilt angle range
	BL.O.P/T Move	YES	Defines the pan/tilt move-in-black delay
		NO	
	BL.O.Color Move	YES	Defines the color change move-in-black delay
		NO	
	BL.O.Gobo Move	YES	Defines the gobo change move-in-black delay
		NO	
	PWM Option	600Hz	Selects the PWM output frequency
		1200Hz	
		2000Hz	
		4000Hz	
		6000Hz	
15KHz			
Reset Function	Pan/Tilt	YES	Resets pan/tilt functions to the home position
		NO	
	Prism	YES	Resets all prism functions to the home position
		NO	
	Color/Frost	YES	Resets all color and frost functions to the home position
		NO	
	Gobo&R/Gobo2	YES	Resets all gobo functions to the home position
		NO	
	Focus/Iris	YES	Resets the focus and iris functions to the home position
		NO	
	All	YES	Resets all functions to the home position
		NO	
Factory Settings	YES	Reverts the product back to the original factory settings	
	NO		
Sys Info	Ver		Displays the software version
	Running Mode		Displays the current running mode
	DMX Address		Displays the current DMX address
	Temperature		Displays the product's temperature in Celsius
	Fixture Time		Displays the product's total time running
	UID		Shows product UID

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### DMX Value

#### 25-CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0-100%
2	Fine Pan	000 ⇄ 255	Fine control (16-bit)
3	Tilt	000 ⇄ 255	0-100%
4	Fine Tilt	000 ⇄ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇄ 255	0-100%
6	Dimmer	000 ⇄ 255	0-100%
7	Fine Dimmer	000 ⇄ 255	Fine control (16-bit)
8	Strobe	000 ⇄ 003	Off
		004 ⇄ 007	On
		008 ⇄ 076	Synchronizing strobe with increasing speed
		077 ⇄ 145	Pulse strobe with increasing speed
		146 ⇄ 215	Random strobe with increasing speed
		216 ⇄ 255	On
9	Color 1	000 ⇄ 007	White
		008 ⇄ 015	Color 1
		016 ⇄ 023	Color 2
		024 ⇄ 031	Color 3
		032 ⇄ 039	Color 4
		040 ⇄ 047	Color 5
		048 ⇄ 055	Color 6
		056 ⇄ 063	Color 7
		064 ⇄ 071	White + Color 1
		072 ⇄ 079	Color 1 + Color 2
		080 ⇄ 087	Color 2 + Color 3
		088 ⇄ 095	Color 3 + Color 4
		096 ⇄ 103	Color 4 + Color 5
		104 ⇄ 111	Color 5 + Color 6
		112 ⇄ 119	Color 6 + Color 7
		120 ⇄ 127	Color 7 + White
128 ⇄ 191	Clockwise color scroll, slow to fast		
192 ⇄ 255	Counter-clockwise color scroll, slow to fast		
10	Color 2	000 ⇄ 007	White
		008 ⇄ 015	Color 1
		016 ⇄ 023	Color 2
		024 ⇄ 031	Color 3
		032 ⇄ 039	Color 4
		040 ⇄ 047	Color 5
		048 ⇄ 055	Color 6
		056 ⇄ 063	Color 7
		064 ⇄ 071	White + Color 1
		072 ⇄ 079	Color 1 + Color 2
		080 ⇄ 087	Color 2 + Color 3
		088 ⇄ 095	Color 3 + Color 4
		096 ⇄ 103	Color 4 + Color 5
		104 ⇄ 111	Color 5 + Color 6
		112 ⇄ 119	Color 6 + Color 7
		120 ⇄ 127	Color 7 + White
128 ⇄ 191	Clockwise color scroll, slow to fast		
192 ⇄ 255	Counter-clockwise color scroll, slow to fast		

Channel	Function	Value	Percent/Setting
11	Rotating Gobo Wheel 1	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1
		016 ⇔ 023	Gobo 2
		024 ⇔ 031	Gobo 3
		032 ⇔ 039	Gobo 4
		040 ⇔ 047	Gobo 5
		048 ⇔ 055	Gobo 6
		056 ⇔ 063	Gobo 7
		064 ⇔ 071	Gobo 7 shake, from slow to fast
		072 ⇔ 079	Gobo 6 shake, from slow to fast
		080 ⇔ 087	Gobo 5 shake, from slow to fast
		088 ⇔ 095	Gobo 4 shake, from slow to fast
		096 ⇔ 103	Gobo 3 shake, from slow to fast
		104 ⇔ 111	Gobo 2 shake, from slow to fast
		112 ⇔ 119	Gobo 1 shake, from slow to fast
		120 ⇔ 127	Open
		128 ⇔ 191	Clockwise color scroll, slow to fast
		192 ⇔ 255	Counter-clockwise color scroll, slow to fast
12	Rotating Gobo Wheel 2	000 ⇔ 063	Rotating gobo index
		064 ⇔ 147	Clockwise rotation, from slow to fast
		148 ⇔ 231	Counter clockwise rotation, from slow to fast
		232 ⇔ 255	Bounce effect
13	Static Gobo Wheel	000 ⇔ 006	Open
		007 ⇔ 013	Gobo 1
		014 ⇔ 020	Gobo 2
		021 ⇔ 027	Gobo 3
		028 ⇔ 034	Gobo 4
		035 ⇔ 041	Gobo 5
		042 ⇔ 048	Gobo 6
		049 ⇔ 055	Gobo 7
		056 ⇔ 063	Gobo 8
		064 ⇔ 071	Gobo 8 shake, from slow to fast
		072 ⇔ 078	Gobo 7 shake, from slow to fast
		079 ⇔ 085	Gobo 6 shake, from slow to fast
		086 ⇔ 092	Gobo 5 shake, from slow to fast
		093 ⇔ 099	Gobo 4 shake, from slow to fast
		100 ⇔ 106	Gobo 3 shake, from slow to fast
		107 ⇔ 113	Gobo 2 shake, from slow to fast
		114 ⇔ 120	Gobo 1 shake, from slow to fast
		121 ⇔ 127	Open
128 ⇔ 191	Clockwise rotation, from slow to fast		
192 ⇔ 255	Counter clockwise rotation, from slow to fast		
14	Focus	000 ⇔ 255	0-100%
15	Fine Focus	000 ⇔ 255	Fine control (16-bit)

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Channel	Function	Value	Percent/Setting
16	Auto Focus	000 ⇔ 000	No function
		001 ⇔ 012	5 meters (static gobo wheel)
		013 ⇔ 024	6 meters (static gobo wheel)
		025 ⇔ 036	7 meters (static gobo wheel)
		037 ⇔ 048	8 meters (static gobo wheel)
		049 ⇔ 060	9 meters (static gobo wheel)
		061 ⇔ 072	10 meters (static gobo wheel)
		073 ⇔ 084	15 meters (static gobo wheel)
		085 ⇔ 100	20 meters (static gobo wheel)
		101 ⇔ 127	Auto focus (static gobo wheel)
		128 ⇔ 139	5 meters (rotating gobo wheel)
		140 ⇔ 151	6 meters (rotating gobo wheel)
		152 ⇔ 163	7 meters (rotating gobo wheel)
		164 ⇔ 175	8 meters (rotating gobo wheel)
		176 ⇔ 187	9 meters (rotating gobo wheel)
		188 ⇔ 199	10 meters (rotating gobo wheel)
		200 ⇔ 211	15 meters (rotating gobo wheel)
212 ⇔ 227	20 meters (rotating gobo wheel)		
228 ⇔ 255	Auto focus (rotating gobo wheel)		
17	Zoom	000 ⇔ 255	0-100%
18	Fine Zoom	000 ⇔ 255	Fine Control (16-bit)
19	Prism	000 ⇔ 004	No function
		005 ⇔ 255	Prism Effect
20	Rotating Prism	000 ⇔ 127	Prism index
		128 ⇔ 189	Clockwise rotation, fast to slow
		190 ⇔ 193	Hold
		194 ⇔ 255	Counter-clockwise rotation, slow to fast
21	Iris	000 ⇔ 063	Big to small
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow zoom out, fast zoom in (slow to fast)
		192 ⇔ 255	Slow zoom in, fast zoom out (slow to fast)
22	Frost	000 ⇔ 004	No function
		005 ⇔ 255	Frost effect

Channel	Function	Value	Percent/Setting
23	Auto Program	000 ⇄ 007	Auto program 1
		008 ⇄ 015	Auto program 2
		016 ⇄ 023	Auto program 3
		024 ⇄ 031	Auto program 4
		032 ⇄ 039	Auto program 5
		040 ⇄ 047	Auto program 6
		048 ⇄ 055	Auto program 7
		056 ⇄ 063	Auto program 8
		064 ⇄ 071	Auto program 9
		072 ⇄ 079	Auto program 10
		080 ⇄ 087	Auto program 11
		088 ⇄ 095	Auto program 12
		096 ⇄ 103	Auto program 13
		104 ⇄ 111	Auto program 14
		112 ⇄ 119	Auto program 15
		120 ⇄ 127	Auto program 16
		128 ⇄ 135	Auto program 17
		136 ⇄ 143	Auto program 18
		144 ⇄ 151	Auto program 19
		152 ⇄ 159	Auto program 20
		160 ⇄ 167	Auto program 21
		168 ⇄ 175	Auto program 22
		176 ⇄ 183	Auto program 23
		184 ⇄ 191	Auto program 24
		192 ⇄ 199	Auto program 25
		200 ⇄ 207	Auto program 26
		208 ⇄ 215	Auto program 27
		216 ⇄ 223	Auto program 28
		224 ⇄ 231	Auto program 29
		232 ⇄ 239	Auto program 30
		240 ⇄ 255	Auto program 31
24	Auto Speed	000 ⇄ 255	Slow to fast
25	Control	000 ⇄ 007	No function
		008 ⇄ 015	Blackout during pan/tilt
		016 ⇄ 023	Blackout while color wheel is moving
		024 ⇄ 031	Blackout while gobo wheel is moving
		032 ⇄ 039	Blackout while pan/tilt/moving color wheel
		040 ⇄ 047	Blackout while pan/tilt/moving gobo wheel
		048 ⇄ 055	Blackout while pan/tilt/moving color wheel/moving gobo wheel
		056 ⇄ 087	No function
		088 ⇄ 095	No function
		096 ⇄ 103	Pan reset
		104 ⇄ 111	Tilt reset
		112 ⇄ 119	Color Reset
		120 ⇄ 127	Gobo reset
		128 ⇄ 135	No function
		136 ⇄ 143	Prism reset
		144 ⇄ 151	No function
		152 ⇄ 159	All reset
		160 ⇄ 167	Iris reset
		168 ⇄ 175	Frost reset
		176 ⇄ 183	Zoom reset
184 ⇄ 239	No function		
240 ⇄ 247	No function		
248 ⇄ 255	No function		

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Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0-100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0-100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0-100%
6	Dimmer	000 ⇔ 255	0-100%
7	Strobe	000 ⇔ 003	Off
		004 ⇔ 007	On
		008 ⇔ 076	Synchronizing strobe with increasing speed
		077 ⇔ 145	Pulse strobe with increasing speed
		146 ⇔ 215	Random strobe with increasing speed
		216 ⇔ 255	On
8	Color 1	000 ⇔ 007	White
		008 ⇔ 015	Color 1
		016 ⇔ 023	Color 2
		024 ⇔ 031	Color 3
		032 ⇔ 039	Color 4
		040 ⇔ 047	Color 5
		048 ⇔ 055	Color 6
		056 ⇔ 063	Color 7
		064 ⇔ 071	White + Color 1
		072 ⇔ 079	Color 1 + Color 2
		080 ⇔ 087	Color 2 + Color 3
		088 ⇔ 095	Color 3 + Color 4
		096 ⇔ 103	Color 4 + Color 5
		104 ⇔ 111	Color 5 + Color 6
		112 ⇔ 119	Color 6 + Color 7
		120 ⇔ 127	Color 7 + White
128 ⇔ 191	Clockwise color scroll, slow to fast		
192 ⇔ 255	Counter-clockwise color scroll, slow to fast		
9	Color 2	000 ⇔ 007	White
		008 ⇔ 015	Color 1
		016 ⇔ 023	Color 2
		024 ⇔ 031	Color 3
		032 ⇔ 039	Color 4
		040 ⇔ 047	Color 5
		048 ⇔ 055	Color 6
		056 ⇔ 063	Color 7
		064 ⇔ 071	White + Color 1
		072 ⇔ 079	Color 1 + Color 2
		080 ⇔ 087	Color 2 + Color 3
		088 ⇔ 095	Color 3 + Color 4
		096 ⇔ 103	Color 4 + Color 5
		104 ⇔ 111	Color 5 + Color 6
		112 ⇔ 119	Color 6 + Color 7
		120 ⇔ 127	Color 7 + White
128 ⇔ 191	Clockwise color scroll, slow to fast		
192 ⇔ 255	Counter-clockwise color scroll, slow to fast		

Channel	Function	Value	Percent/Setting
10	Rotating Gobo Wheel 1	000 ⇄ 007	Open
		008 ⇄ 015	Gobo 1
		016 ⇄ 023	Gobo 2
		024 ⇄ 031	Gobo 3
		032 ⇄ 039	Gobo 4
		040 ⇄ 047	Gobo 5
		048 ⇄ 055	Gobo 6
		056 ⇄ 063	Gobo 7
		064 ⇄ 071	Gobo 7 shake, from slow to fast
		072 ⇄ 079	Gobo 6 shake, from slow to fast
		080 ⇄ 087	Gobo 5 shake, from slow to fast
		088 ⇄ 095	Gobo 4 shake, from slow to fast
		096 ⇄ 103	Gobo 3 shake, from slow to fast
		104 ⇄ 111	Gobo 2 shake, from slow to fast
		112 ⇄ 119	Gobo 1 shake, from slow to fast
		120 ⇄ 127	Open
		128 ⇄ 191	Clockwise color scroll, slow to fast
192 ⇄ 255	Counter-clockwise color scroll, slow to fast		
11	Rotating Gobo Wheel 2	000 ⇄ 063	Rotating gobo index
		064 ⇄ 147	Clockwise rotation, from slow to fast
		148 ⇄ 231	Counter clockwise rotation, from slow to fast
		232 ⇄ 255	Bounce effect
12	Static Gobo Wheel	000 ⇄ 006	Open
		007 ⇄ 013	Gobo 1
		014 ⇄ 020	Gobo 2
		021 ⇄ 027	Gobo 3
		028 ⇄ 034	Gobo 4
		035 ⇄ 041	Gobo 5
		042 ⇄ 048	Gobo 6
		049 ⇄ 055	Gobo 7
		056 ⇄ 063	Gobo 8
		064 ⇄ 071	Gobo 8 shake, from slow to fast
		072 ⇄ 078	Gobo 7 shake, from slow to fast
		079 ⇄ 085	Gobo 6 shake, from slow to fast
		086 ⇄ 092	Gobo 5 shake, from slow to fast
		093 ⇄ 099	Gobo 4 shake, from slow to fast
		100 ⇄ 106	Gobo 3 shake, from slow to fast
		107 ⇄ 113	Gobo 2 shake, from slow to fast
		114 ⇄ 120	Gobo 1 shake, from slow to fast
121 ⇄ 127	Open		
128 ⇄ 191	Clockwise rotation, from slow to fast		
192 ⇄ 255	Counter clockwise rotation, from slow to fast		
13	Focus	000 ⇄ 255	0-100%
14	Zoom	000 ⇄ 255	0-100%
15	Prism	000 ⇄ 004	No function
		005 ⇄ 255	Prism Effect
16	Rotating Prism	000 ⇄ 127	Prism index
		128 ⇄ 189	Clockwise rotation, fast to slow
		190 ⇄ 193	Hold
		194 ⇄ 255	Counter-clockwise rotation, slow to fast
17	Iris	000 ⇄ 063	Big to small
		064 ⇄ 127	Auto change, slow to fast
		128 ⇄ 191	Slow zoom out, fast zoom in (slow to fast)
		192 ⇄ 255	Slow zoom in, fast zoom out (slow to fast)

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Channel	Function	Value	Percent/Setting
18	Frost	000 ⇔ 004	No function
		005 ⇔ 255	Frost effect
19	Control	000 ⇔ 007	No function
		008 ⇔ 015	Blackout during pan/tilt
		016 ⇔ 023	Blackout while color wheel is moving
		024 ⇔ 031	Blackout while gobo wheel is moving
		032 ⇔ 039	Blackout while pan/tilt/moving color wheel
		040 ⇔ 047	Blackout while pan/tilt/moving gobo wheel
		048 ⇔ 055	Blackout while pan/tilt/moving color wheel/moving gobo wheel
		056 ⇔ 087	No function
		088 ⇔ 095	No function
		096 ⇔ 103	Pan reset
		104 ⇔ 111	Tilt reset
		112 ⇔ 119	Color Reset
		120 ⇔ 127	Gobo reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prism reset
		144 ⇔ 151	No function
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 239	No function
		240 ⇔ 247	No function
		248 ⇔ 255	No function