

**DMX Values**

21CH	Channel	Function	Value	Percent/Setting
	1	Pan	000 ∘ 255	0–100%
	2	Fine Pan	000 ∘ 255	0–100%
	3	Tilt	000 ∘ 255	0–100%
	4	Fine Tilt	000 ∘ 255	0–100%
	5	Pan/Tilt Speed	000 ∘ 255	0–100%
	6	Dimmer	000 ∘ 255	0–100%
	7	Fine Dimmer	000 ∘ 255	0–100%
	8	Shutter	000 ∘ 003	Closed
			004 ∘ 007	Open
			008 ∘ 076	Slow to fast
			077 ∘ 145	Pulse effect from slow to fast
			146 ∘ 215	Random effect from slow to fast
			216 ∘ 255	Open
	9	Color Wheel	000 ∘ 007	Open
			008 ∘ 015	Yellow
			016 ∘ 023	Light blue
			024 ∘ 031	Green
			032 ∘ 039	Red
			040 ∘ 047	Magenta
			048 ∘ 055	Dark blue
			056 ∘ 063	Orange
			064 ∘ 127	Split colors
			128 ∘ 191	Clockwise color scroll, slow to fast
			192 ∘ 255	Counter-clockwise color scroll, slow to fast
	10	Color Wheel 2	000 ∘ 007	Open
			008 ∘ 015	CTO 3200 K
			016 ∘ 023	CTO 5600 K
			024 ∘ 031	Green
			032 ∘ 039	UV
			040 ∘ 047	Orange
			048 ∘ 055	Pink
			056 ∘ 063	Light blue
			064 ∘ 127	Split colors
			128 ∘ 191	Clockwise color scroll, slow to fast
			192 ∘ 255	Counter-clockwise color scroll, slow to fast

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
11	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	119	Gobo shake 1–7, slow to fast
		120	127	Open
12	Gobo Wheel 1 Rotate	000	063	Gobo index
		064	147	Clockwise rotation, slow to fast
		148	231	Counter-clockwise rotation, slow to fast
		232	255	Boomerang effect, slow to fast
13	Gobo Wheel 2	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	120	Gobo shake 1–8, slow to fast
14	Focus	000	255	0–100%
15	Prism	000	004	No function
		005	255	Prism insert
16	Prism Rotate	000	127	Prism index
		128	189	Counter-clockwise rotation, fast to slow
		190	193	Stop
		194	255	Clockwise rotation, slow to fast
17	Iris	000	063	Wide to narrow
		064	127	Iris effect, slow to fast
		128	191	Iris effect, in slow, out fast
		192	255	Iris effect, out slow, in fast
18	Frost	000	007	No function
		008	255	Frost effect

**DMX Values (Cont.)**

21CH (Cont.)	Channel	Function	Value	Percent/Setting
			000○ 007	No function
			008○ 015	Effect 1
			016○ 023	Effect 2
			024○ 031	Effect 3
			032○ 039	Effect 4
			040○ 047	Effect 5
			048○ 055	Effect 6
			056○ 063	Effect 7
			064○ 071	Effect 8
			072○ 079	Effect 9
			080○ 087	Effect 10
			088○ 095	Effect 11
			096○ 103	Effect 12
			104○ 111	Effect 13
			112○ 119	Effect 14
			120○ 127	Effect 15
			128○ 135	Effect 16
			136○ 143	Effect 17
			144○ 151	Effect 18
			152○ 159	Effect 19
			160○ 167	Effect 20
			168○ 175	Effect 21
			176○ 183	Effect 22
			184○ 191	Effect 23
			192○ 199	Effect 24
			200○ 207	Effect 25
			208○ 215	Effect 26
			216○ 223	Effect 27
			224○ 231	Effect 28
			232○ 239	Effect 29
			240○ 247	Effect 30
			248○ 255	Effect 31
	<b>19</b>	<b>Movement Macros</b>		

**DMX Values (Cont.)**

21CH (Cont.)	Channel	Function	Value	Percent/Setting
	20	Movement Macro Speed	000 ∘ 255	0–100%
	21	Control	000 ∘ 007	No function
			008 ∘ 015	Blackout during pan/tilt (3 sec hold)
			016 ∘ 023	Blackout while color wheel moving (3 sec hold)
			024 ∘ 031	Blackout while gobo wheels moving (3 sec hold)
			032 ∘ 039	Disable pan/tilt blackout (3 sec hold)
			040 ∘ 047	Disable color wheel blackout (3 sec hold)
			048 ∘ 055	Disable gobo wheel blackout (3 sec hold)
			056 ∘ 095	No function
			096 ∘ 103	Pan reset
			104 ∘ 111	Tilt reset
			112 ∘ 119	Color wheel reset
			120 ∘ 127	Gobo wheel reset
			128 ∘ 135	Gobo rotation reset
			136 ∘ 143	Prism reset
			144 ∘ 151	Focus reset
			152 ∘ 159	All reset
			160 ∘ 167	Iris reset
	168 ∘ 239	No function		
	240 ∘ 247	Pan/Tilt movement ramp speed, increase on		
	248 ∘ 255	Pan/Tilt movement ramp speed, increase off		

18CH	Channel	Function	Value	Percent/Setting
	1	Pan	000 ∘ 255	0–100%
	2	Fine Pan	000 ∘ 255	0–100%
	3	Tilt	000 ∘ 255	0–100%
	4	Fine Tilt	000 ∘ 255	0–100%
	5	Pan/Tilt Speed	000 ∘ 255	0–100%
	6	Dimmer	000 ∘ 255	0–100%
	7	Shutter	000 ∘ 003	Closed
			004 ∘ 007	Open
			008 ∘ 076	Slow to fast
			077 ∘ 145	Pulse effect from slow to fast
			146 ∘ 215	Random effect from slow to fast
	216 ∘ 255	Open		

## DMX Values (Cont.)

18CH (Cont.)	Channel	Function	Value	Percent/Setting
8	Color Wheel	000○ 007	Open	
		008○ 015	Yellow	
		016○ 023	Light blue	
		024○ 031	Green	
		032○ 039	Red	
		040○ 047	Magenta	
		048○ 055	Dark blue	
		056○ 063	Orange	
		064○ 127	Split colors	
		128○ 191	Clockwise color scroll, slow to fast	
192○ 255	Counter-clockwise color scroll, slow to fast			
9	Color Wheel 2	000○ 007	Open	
		008○ 015	CTO 3200 K	
		016○ 023	CTO 5600 K	
		024○ 031	Green	
		032○ 039	UV	
		040○ 047	Orange	
		048○ 055	Pink	
		056○ 063	Light blue	
		064○ 127	Split colors	
		128○ 191	Clockwise color scroll, slow to fast	
192○ 255	Counter-clockwise color scroll, slow to fast			
10	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○ 119	Gobo shake 1–7, slow to fast	
		120○ 127	Open	
128○ 191	Clockwise gobo scroll, slow to fast			
192○ 255	Counter-clockwise gobo scroll, slow to fast			
11	Gobo Wheel 1 Rotate	000○ 063	Gobo index	
		064○ 147	Clockwise rotation, slow to fast	
		148○ 231	Counter-clockwise rotation, slow to fast	
		232○ 255	Boomerang effect, slow to fast	
12	Gobo Wheel 2	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○ 120	Gobo shake 1–8, slow to fast	
		121○ 127	Open	
		128○ 191	Clockwise gobo scroll, slow to fast	
		192○ 255	Counter-clockwise gobo scroll, slow to fast	

## DMX Values (Cont.)

18CH (Cont.)	Channel	Function	Value	Percent/Setting
	13	Focus	000 ∘ 255	0–100%
	14	Prism	000 ∘ 004 005 ∘ 255	No function Prism insert
	15	Prism Rotate	000 ∘ 127 128 ∘ 189 190 ∘ 193 194 ∘ 255	Prism index Counter-clockwise rotation, fast to slow Stop Clockwise rotation, slow to fast
	16	Iris	000 ∘ 063 064 ∘ 127 128 ∘ 191 192 ∘ 255	Wide to narrow Iris effect, slow to fast Iris effect, in slow, out fast Iris effect, out slow, in fast
	17	Frost	000 ∘ 007 008 ∘ 255	No function Frost effect
	18	Control	000 ∘ 007 008 ∘ 015 016 ∘ 023 024 ∘ 031 032 ∘ 039 040 ∘ 047 048 ∘ 055 056 ∘ 095 096 ∘ 103 104 ∘ 111 112 ∘ 119 120 ∘ 127 128 ∘ 135 136 ∘ 143 144 ∘ 151 152 ∘ 159 160 ∘ 167 168 ∘ 239 240 ∘ 247 248 ∘ 255	No function Blackout during pan/tilt (3 sec hold) Blackout while color wheel moving (3 sec hold) Blackout while gobo wheels moving (3 sec hold) Disable pan/tilt blackout (3 sec hold) Disable color wheel blackout (3 sec hold) Disable gobo wheel blackout (3 sec hold) No function Pan reset Tilt reset Color wheel reset Gobo wheel reset Gobo rotation reset Prism reset Focus reset All reset Iris reset No function Pan/Tilt movement ramp speed, increase on Pan/Tilt movement ramp speed, increase off