

DMX Values

56CH	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	Shutter	000◊019	Closed
			020◊024	Open
			025◊064	Fast to slow
			065◊069	Open
			070◊084	Fast on/ramp off
			085◊089	Open
			090◊104	Ramp off/fast on
			105◊109	Open
			110◊124	Random
			125◊129	Open
			130◊144	Random fast on/ramp off
			145◊149	Open
			150◊164	Random slow on/fast off
			165◊169	Open
			170◊184	Pulse
	185◊189	Open		
	190◊204	Random pulse		
	205◊209	Open		
	210◊224	Fade on/off		
	225◊229	Open		
	230◊244	Pulse		
	245◊255	Open		
	9	Red 1	000◊255	0–100%
	10	Fine Red 1	000◊255	Fine control (16-bit)
	11	Green 1	000◊255	0–100%
	12	Fine Green 1	000◊255	Fine control (16-bit)
	13	Blue 1	000◊255	0–100%
	14	Fine Blue 1	000◊255	Fine control (16-bit)
	15	White 1	000◊255	0–100%
	16	Fine White 1	000◊255	Fine control (16-bit)
	17	Red 2	000◊255	0–100%
	18	Fine Red 2	000◊255	Fine control (16-bit)

DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
	19	Green 2	000 ∘ 255	0–100%
	20	Fine Green 2	000 ∘ 255	Fine control (16-bit)
	21	Blue 2	000 ∘ 255	0–100%
	22	Fine Blue 2	000 ∘ 255	Fine control (16-bit)
	23	White 2	000 ∘ 255	0–100%
	24	Fine White 2	000 ∘ 255	Fine control (16-bit)
	25	Red 3	000 ∘ 255	0–100%
	26	Fine Red 3	000 ∘ 255	Fine control (16-bit)
	27	Green 3	000 ∘ 255	0–100%
	28	Fine Green 3	000 ∘ 255	Fine control (16-bit)
	29	Blue 3	000 ∘ 255	0–100%
	30	Fine Blue 3	000 ∘ 255	Fine control (16-bit)
	31	White 3	000 ∘ 255	0–100%
	32	Fine White 3	000 ∘ 255	Fine control (16-bit)
	33	Red 4	000 ∘ 255	0–100%
	34	Fine Red 4	000 ∘ 255	Fine control (16-bit)
	35	Green 4	000 ∘ 255	0–100%
	36	Fine Green 4	000 ∘ 255	Fine control (16-bit)
	37	Blue 4	000 ∘ 255	0–100%
	38	Fine Blue 4	000 ∘ 255	Fine control (16-bit)
	39	White 4	000 ∘ 255	0–100%
	40	Fine White 4	000 ∘ 255	Fine control (16-bit)
	41	Red 5	000 ∘ 255	0–100%
	42	Fine Red 5	000 ∘ 255	Fine control (16-bit)
	43	Green 5	000 ∘ 255	0–100%
	44	Fine Green 5	000 ∘ 255	Fine control (16-bit)
	45	Blue 5	000 ∘ 255	0–100%
	46	Fine Blue 5	000 ∘ 255	Fine control (16-bit)
	47	White 5	000 ∘ 255	0–100%
	48	Fine White 5	000 ∘ 255	Fine control (16-bit)

DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
			000	004 Open
			005	009 Color 1
			010	014 Color 2
			015	019 Color 3
			020	024 Color 4
			025	029 Color 5
			030	034 Color 6
			035	039 Color 7
			040	044 Color 8
			045	049 Color 9
			050	054 Color 10
			055	059 Color 11
			060	064 Color 12
			065	069 Color 13
			070	074 Color 14
			075	079 Color 15
			080	084 Color 16
			085	089 Color 17
			090	094 Color 18
			095	099 Color 19
	49	Color	100	104 Color 20
			105	109 Color 21
			110	114 Color 22
			115	119 Color 23
			120	124 Color 24
			125	129 Color 25
			130	134 Color 26
			135	139 Color 27
			140	144 Color 28
			145	149 Color 29
			150	154 Color 30
			155	159 Color 31
			160	164 Color 32
			165	169 Color 33
			170	174 Color 34
			175	179 Closed
			180	201 Clockwise color scroll, fast to slow
			202	207 Stop on current color
			208	229 Counter-clockwise color scroll, fast to slow
			230	234 Closed
			235	249 Color scroll
			250	255 Closed

DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
			000◊ 007	Zone 1, 2, 3, 4, 5
			008◊ 015	Zone 2, 3, 4, 5
			016◊ 023	Zone 3, 4, 5
			024◊ 031	Zone 4, 5
			032◊ 039	Zone 5
			040◊ 047	No function
			048◊ 055	Zone 1
			056◊ 063	Zone 1, 2
			064◊ 071	Zone 1, 2, 3
			072◊ 079	Zone 1, 2, 3, 4
			080◊ 087	Zone 1, 2, 3, 4, 5
			088◊ 095	Zone 1
			096◊ 103	Zone 2
			104◊ 111	Zone 3
			112◊ 119	Zone 4
			120◊ 127	Zone 5
50	Zone Selection		128◊ 135	Zone 1, 2
			136◊ 143	Zone 2, 3
			144◊ 151	Zone 3, 4
			152◊ 159	Zone 4, 5
			160◊ 167	Zone 1, 5
			168◊ 175	Zone 1, 2, 3
			176◊ 183	Zone 2, 3, 4
			184◊ 191	Zone 3, 4, 5
			192◊ 199	Zone 1, 4, 5
			200◊ 207	Zone 1, 2, 5
			208◊ 215	Zone 1, 2, 3, 4
			216◊ 223	Zone 2, 3, 4, 5
			224◊ 231	Zone 1, 3, 4, 5
			232◊ 239	Zone 1, 2, 4, 5
			240◊ 247	Zone 1, 2, 3, 5
			250◊ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 015	No function
			016 ∘ 020	Ring macro 1
			021 ∘ 025	Ring macro 2
			026 ∘ 030	Ring macro 3
			031 ∘ 035	Ring macro 4
			036 ∘ 040	Ring macro 5
			041 ∘ 045	Ring macro 6
			046 ∘ 050	Ring macro 7
			051 ∘ 055	Ring macro 8
			056 ∘ 060	Ring macro 9
			061 ∘ 065	Ring macro 10
			066 ∘ 070	Ring macro 11
			071 ∘ 075	Ring macro 12
			076 ∘ 080	Ring macro 13
			081 ∘ 085	Ring macro 14
			086 ∘ 090	Ring macro 15
			091 ∘ 095	Ring macro 16
			096 ∘ 100	Ring macro 17
			101 ∘ 105	Ring macro 18
			106 ∘ 110	Ring macro 19
			111 ∘ 115	Ring macro 20
			116 ∘ 120	Ring macro 21
			121 ∘ 125	Ring macro 22
			126 ∘ 130	Ring macro 23
			131 ∘ 135	Ring macro 24
			136 ∘ 140	Color ring macro 1
			141 ∘ 145	Color ring macro 2
			146 ∘ 150	Color ring macro 3
			151 ∘ 155	Color ring macro 4
			156 ∘ 160	Color ring macro 5
			161 ∘ 165	Color ring macro 6
			166 ∘ 170	Color ring macro 7
			171 ∘ 175	Color ring macro 8
			176 ∘ 180	Color ring macro 9
			181 ∘ 185	Color ring macro 10
			186 ∘ 190	Color ring macro 11
			191 ∘ 195	Color ring macro 12
			196 ∘ 200	Color ring macro 13
			201 ∘ 205	Color ring macro 14
			206 ∘ 210	Color ring macro 15
			211 ∘ 215	Color ring macro 16
			216 ∘ 220	Color ring macro 17
			221 ∘ 225	Color ring macro 18
			226 ∘ 230	Color ring macro 19
			231 ∘ 235	Color ring macro 20
			236 ∘ 240	Color ring macro 21
			241 ∘ 245	Color ring macro 22
			246 ∘ 250	Color ring macro 23
			251 ∘ 255	Color ring macro 24
	51	Programs		
	52	Auto Speed	000 ∘ 255	0–100% (Only when using Ch. 51)

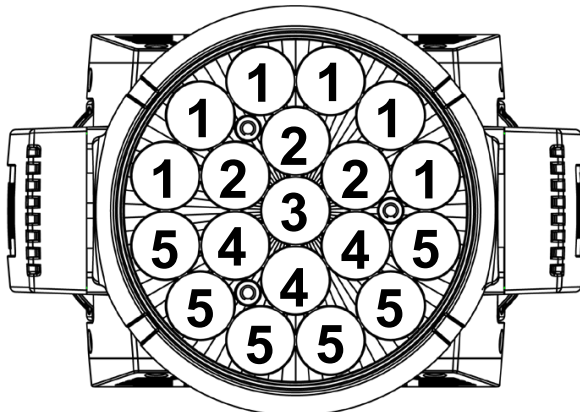
DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
			000○ 007	No function
			008○ 023	Effect 1
			024○ 039	Effect 2
			040○ 055	Effect 3
			056○ 071	Effect 4
			072○ 087	Effect 5
			088○ 103	Effect 6
			104○ 119	Effect 7
	53	Movement Macros	120○ 135	Effect 8
			136○ 151	Effect 9
			152○ 167	Effect 10
			168○ 183	Effect 11
			184○ 199	Effect 12
			200○ 215	Effect 13
			216○ 231	Effect 14
			232○ 247	Effect 15
			248○ 255	Effect 16
	54	Movement Macro Speed	000○ 255	0–100%
	55	Zoom	000○ 255	0–100%

DMX Values (Cont.)

56CH (Cont.)	Channel	Function	Value	Percent/Setting
			000↻ 009	No function
			010↻ 014	Blackout during pan/tilt
			015↻ 019	No function
			020↻ 024	No function
			025↻ 029	No function
			030↻ 034	No function
			035↻ 039	No function
			040↻ 044	No function
			045↻ 049	No function
			050↻ 054	Pan reset (5 s activation delay)
			055↻ 059	Tilt reset (5 s activation delay)
			060↻ 064	Zoom reset (5 s activation delay)
			065↻ 069	No function
			070↻ 074	All reset (5 s activation delay)
			075↻ 079	No function
			080↻ 084	Pan/Tilt movement reverse (5 s activation delay)
	56	Control	085↻ 089	Pan movement reverse (5 s activation delay)
			090↻ 094	Tilt movement reverse (5 s activation delay)
			095↻ 099	Disable Pan movement reverse (5 s activation delay)
			100↻ 104	Disable Tilt movement reverse (5 s activation delay)
			105↻ 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110↻ 114	No function
			115↻ 119	No function
			120↻ 124	Economy fan (5 s activation delay)
			125↻ 129	Full fan (5 s activation delay)
			130↻ 134	Auto fan (5 s activation delay)
			135↻ 139	Fast dimmer curve (5 s activation delay)
			140↻ 144	Smooth dimmer curve (5 s activation delay)
			145↻ 255	No function

Rogue™ R2 Wash Zone Selection for DMX Control



DMX Values (Cont.)

54CH	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	Shutter	000 ∘ 019	Closed
			020 ∘ 024	Open
			025 ∘ 064	Fast to slow
			065 ∘ 069	Open
			070 ∘ 084	Fast on/ramp off
			085 ∘ 089	Open
			090 ∘ 104	Ramp off/fast on
			105 ∘ 109	Open
			110 ∘ 124	Random
			125 ∘ 129	Open
			130 ∘ 144	Random fast on/ramp off
			145 ∘ 149	Open
			150 ∘ 164	Random slow on/fast off
			165 ∘ 169	Open
			170 ∘ 184	Pulse
			185 ∘ 189	Open
	190 ∘ 204	Random pulse		
	205 ∘ 209	Open		
	210 ∘ 224	Fade on/off		
	225 ∘ 229	Open		
	230 ∘ 244	Pulse		
	245 ∘ 255	Open		
	9	Red 1	000 ∘ 255	0–100%
	10	Fine Red 1	000 ∘ 255	Fine control (16-bit)
	11	Green 1	000 ∘ 255	0–100%
	12	Fine Green 1	000 ∘ 255	Fine control (16-bit)
	13	Blue 1	000 ∘ 255	0–100%
	14	Fine Blue 1	000 ∘ 255	Fine control (16-bit)
	15	White 1	000 ∘ 255	0–100%
	16	Fine White 1	000 ∘ 255	Fine control (16-bit)
	17	Red 2	000 ∘ 255	0–100%
	18	Fine Red 2	000 ∘ 255	Fine control (16-bit)

DMX Values (Cont.)

54CH (Cont.)	Channel	Function	Value	Percent/Setting
	19	Green 2	000 ∘ 255	0–100%
	20	Fine Green 2	000 ∘ 255	Fine control (16-bit)
	21	Blue 2	000 ∘ 255	0–100%
	22	Fine Blue 2	000 ∘ 255	Fine control (16-bit)
	23	White 2	000 ∘ 255	0–100%
	24	Fine White 2	000 ∘ 255	Fine control (16-bit)
	25	Red 3	000 ∘ 255	0–100%
	26	Fine Red 3	000 ∘ 255	Fine control (16-bit)
	27	Green 3	000 ∘ 255	0–100%
	28	Fine Green 3	000 ∘ 255	Fine control (16-bit)
	29	Blue 3	000 ∘ 255	0–100%
	30	Fine Blue 3	000 ∘ 255	Fine control (16-bit)
	31	White 3	000 ∘ 255	0–100%
	32	Fine White 3	000 ∘ 255	Fine control (16-bit)
	33	Red 4	000 ∘ 255	0–100%
	34	Fine Red 4	000 ∘ 255	Fine control (16-bit)
	35	Green 4	000 ∘ 255	0–100%
	36	Fine Green 4	000 ∘ 255	Fine control (16-bit)
	37	Blue 4	000 ∘ 255	0–100%
	38	Fine Blue 4	000 ∘ 255	Fine control (16-bit)
	39	White 4	000 ∘ 255	0–100%
	40	Fine White 4	000 ∘ 255	Fine control (16-bit)
	41	Red 5	000 ∘ 255	0–100%
	42	Fine Red 5	000 ∘ 255	Fine control (16-bit)
	43	Green 5	000 ∘ 255	0–100%
	44	Fine Green 5	000 ∘ 255	Fine control (16-bit)
	45	Blue 5	000 ∘ 255	0–100%
	46	Fine Blue 5	000 ∘ 255	Fine control (16-bit)
	47	White 5	000 ∘ 255	0–100%
	48	Fine White 5	000 ∘ 255	Fine control (16-bit)

DMX Values (Cont.)

54CH (Cont.)	Channel	Function	Value	Percent/Setting
			000	004 Open
			005	009 Color 1
			010	014 Color 2
			015	019 Color 3
			020	024 Color 4
			025	029 Color 5
			030	034 Color 6
			035	039 Color 7
			040	044 Color 8
			045	049 Color 9
			050	054 Color 10
			055	059 Color 11
			060	064 Color 12
			065	069 Color 13
			070	074 Color 14
			075	079 Color 15
			080	084 Color 16
			085	089 Color 17
			090	094 Color 18
			095	099 Color 19
			100	104 Color 20
			105	109 Color 21
			110	114 Color 22
			115	119 Color 23
			120	124 Color 24
			125	129 Color 25
			130	134 Color 26
			135	139 Color 27
			140	144 Color 28
			145	149 Color 29
			150	154 Color 30
			155	159 Color 31
			160	164 Color 32
			165	169 Color 33
			170	174 Color 34
			175	179 Closed
			180	201 Clockwise color scroll, fast to slow
			202	207 Stop on current color
			208	229 Counter-clockwise color scroll, fast to slow
			230	234 Closed
			235	249 Color scroll
			250	255 Closed

49 Color

DMX Values (Cont.)

54CH (Cont.)	Channel	Function	Value	Percent/Setting
			000○ 007	Zone 1, 2, 3, 4, 5
			008○ 015	Zone 2, 3, 4, 5
			016○ 023	Zone 3, 4, 5
			024○ 031	Zone 4, 5
			032○ 039	Zone 5
			040○ 047	No function
			048○ 055	Zone 1
			056○ 063	Zone 1, 2
			064○ 071	Zone 1, 2, 3
			072○ 079	Zone 1, 2, 3, 4
			080○ 087	Zone 1, 2, 3, 4, 5
			088○ 095	Zone 1
			096○ 103	Zone 2
			104○ 111	Zone 3
			112○ 119	Zone 4
			120○ 127	Zone 5
	50	Zone Selection	128○ 135	Zone 1, 2
			136○ 143	Zone 2, 3
			144○ 151	Zone 3, 4
			152○ 159	Zone 4, 5
			160○ 167	Zone 1, 5
			168○ 175	Zone 1, 2, 3
			176○ 183	Zone 2, 3, 4
			184○ 191	Zone 3, 4, 5
			192○ 199	Zone 1, 4, 5
			200○ 207	Zone 1, 2, 5
			208○ 215	Zone 1, 2, 3, 4
			216○ 223	Zone 2, 3, 4, 5
			224○ 231	Zone 1, 3, 4, 5
			232○ 239	Zone 1, 2, 4, 5
			240○ 247	Zone 1, 2, 3, 5
			250○ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

**54CH
(Cont.)**

Channel	Function	Value	Percent/Setting
51	Programs	000○ 015	No function
		016○ 020	Ring macro 1
		021○ 025	Ring macro 2
		026○ 030	Ring macro 3
		031○ 035	Ring macro 4
		036○ 040	Ring macro 5
		041○ 045	Ring macro 6
		046○ 050	Ring macro 7
		051○ 055	Ring macro 8
		056○ 060	Ring macro 9
		061○ 065	Ring macro 10
		066○ 070	Ring macro 11
		071○ 075	Ring macro 12
		076○ 080	Ring macro 13
		081○ 085	Ring macro 14
		086○ 090	Ring macro 15
		091○ 095	Ring macro 16
		096○ 100	Ring macro 17
		101○ 105	Ring macro 18
		106○ 110	Ring macro 19
		111○ 115	Ring macro 20
		116○ 120	Ring macro 21
		121○ 125	Ring macro 22
		126○ 130	Ring macro 23
131○ 135	Ring macro 24		
136○ 140	Color ring macro 1		
141○ 145	Color ring macro 2		
146○ 150	Color ring macro 3		
151○ 155	Color ring macro 4		
156○ 160	Color ring macro 5		
161○ 165	Color ring macro 6		
166○ 170	Color ring macro 7		
171○ 175	Color ring macro 8		
176○ 180	Color ring macro 9		
181○ 185	Color ring macro 10		
186○ 190	Color ring macro 11		
191○ 195	Color ring macro 12		
196○ 200	Color ring macro 13		
201○ 205	Color ring macro 14		
206○ 210	Color ring macro 15		
211○ 215	Color ring macro 16		
216○ 220	Color ring macro 17		
221○ 225	Color ring macro 18		
226○ 230	Color ring macro 19		
231○ 235	Color ring macro 20		
236○ 240	Color ring macro 21		
241○ 245	Color ring macro 22		
246○ 250	Color ring macro 23		
251○ 255	Color ring macro 24		
52	Auto Speed	000○ 255	0–100% (Only when using Ch. 51)

DMX Values (Cont.)

54CH (Cont.)	Channel	Function	Value	Percent/Setting
	53	Zoom	000○ 255	0–100%
			000○ 009	No function
			010○ 014	Blackout during pan/tilt
			015○ 019	No function
			020○ 024	No function
			025○ 029	No function
			030○ 034	No function
			035○ 039	No function
			040○ 044	No function
			045○ 049	No function
			050○ 054	Pan reset (5 s activation delay)
			055○ 059	Tilt reset (5 s activation delay)
			060○ 064	Zoom reset (5 s activation delay)
			065○ 069	No function
			070○ 074	All reset (5 s activation delay)
			075○ 079	No function
			080○ 084	Pan/Tilt movement reverse (5 s activation delay)
	54	Control	085○ 089	Pan movement reverse (5 s activation delay)
			090○ 094	Tilt movement reverse (5 s activation delay)
			095○ 099	Disable Pan movement reverse (5 s activation delay)
			100○ 104	Disable Tilt movement reverse (5 s activation delay)
			105○ 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110○ 114	No function
			115○ 119	No function
			120○ 124	Economy fan (5 s activation delay)
			125○ 129	Full fan (5 s activation delay)
			130○ 134	Auto fan (5 s activation delay)
			135○ 139	Fast dimmer curve (5 s activation delay)
			140○ 144	Smooth dimmer curve (5 s activation delay)
			145○ 255	No function

DMX Values (Cont.)

54CH MS	Channel	Function	Value	Percent/Setting
	1	Pan	000ó 255	0–100%
	2	Fine Pan	000ó 255	Fine control (16-bit)
	3	Tilt	000ó 255	0–100%
	4	Fine Tilt	000ó 255	Fine control (16-bit)
	5	Pan/Tilt Speed	000ó 255	0–100%
	6	Dimmer	000ó 255	0–100%
	7	Fine Dimmer	000ó 255	Fine control (16-bit)
	8	Shutter	000ó 019	Closed
			020ó 024	Open
			025ó 064	Fast to slow
			065ó 069	Open
			070ó 084	Fast on/ramp off
			085ó 089	Open
			090ó 104	Ramp off/fast on
			105ó 109	Open
			110ó 124	Random
			125ó 129	Open
			130ó 144	Random fast on/ramp off
			145ó 149	Open
			150ó 164	Random slow on/fast off
			165ó 169	Open
			170ó 184	Pulse
			185ó 189	Open
			190ó 204	Random pulse
	205ó 209	Open		
	210ó 224	Fade on/off		
	225ó 229	Open		
	230ó 244	Pulse		
	245ó 255	Open		

DMX Values (Cont.)

**54CH MS
(Cont.)**

Channel	Function	Value	Percent/Setting
9	Color	000 ∘ 004	Open
		005 ∘ 009	Color 1
		010 ∘ 014	Color 2
		015 ∘ 019	Color 3
		020 ∘ 024	Color 4
		025 ∘ 029	Color 5
		030 ∘ 034	Color 6
		035 ∘ 039	Color 7
		040 ∘ 044	Color 8
		045 ∘ 049	Color 9
		050 ∘ 054	Color 10
		055 ∘ 059	Color 11
		060 ∘ 064	Color 12
		065 ∘ 069	Color 13
		070 ∘ 074	Color 14
		075 ∘ 079	Color 15
		080 ∘ 084	Color 16
		085 ∘ 089	Color 17
		090 ∘ 094	Color 18
		095 ∘ 099	Color 19
		100 ∘ 104	Color 20
		105 ∘ 109	Color 21
		110 ∘ 114	Color 22
		115 ∘ 119	Color 23
		120 ∘ 124	Color 24
		125 ∘ 129	Color 25
		130 ∘ 134	Color 26
		135 ∘ 139	Color 27
		140 ∘ 144	Color 28
		145 ∘ 149	Color 29
		150 ∘ 154	Color 30
		155 ∘ 159	Color 31
		160 ∘ 164	Color 32
		165 ∘ 169	Color 33
170 ∘ 174	Color 34		
175 ∘ 179	Closed		
180 ∘ 201	Clockwise color scroll, fast to slow		
202 ∘ 207	Stop on current color		
208 ∘ 229	Counter-clockwise color scroll, fast to slow		
230 ∘ 234	Closed		
235 ∘ 249	Color scroll		
250 ∘ 255	Closed		

DMX Values (Cont.)

54CH MS (Cont.)	Channel	Function	Value	Percent/Setting
			000◊ 007	Zone 1, 2, 3, 4, 5
			008◊ 015	Zone 2, 3, 4, 5
			016◊ 023	Zone 3, 4, 5
			024◊ 031	Zone 4, 5
			032◊ 039	Zone 5
			040◊ 047	No function
			048◊ 055	Zone 1
			056◊ 063	Zone 1, 2
			064◊ 071	Zone 1, 2, 3
			072◊ 079	Zone 1, 2, 3, 4
			080◊ 087	Zone 1, 2, 3, 4, 5
			088◊ 095	Zone 1
			096◊ 103	Zone 2
			104◊ 111	Zone 3
			112◊ 119	Zone 4
			120◊ 127	Zone 5
	10	Zone Selection	128◊ 135	Zone 1, 2
			136◊ 143	Zone 2, 3
			144◊ 151	Zone 3, 4
			152◊ 159	Zone 4, 5
			160◊ 167	Zone 1, 5
			168◊ 175	Zone 1, 2, 3
			176◊ 183	Zone 2, 3, 4
			184◊ 191	Zone 3, 4, 5
			192◊ 199	Zone 1, 4, 5
			200◊ 207	Zone 1, 2, 5
			208◊ 215	Zone 1, 2, 3, 4
			216◊ 223	Zone 2, 3, 4, 5
			224◊ 231	Zone 1, 3, 4, 5
			232◊ 239	Zone 1, 2, 4, 5
			240◊ 247	Zone 1, 2, 3, 5
			250◊ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

54CH MS (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 015	No function
			016 ∘ 020	Ring macro 1
			021 ∘ 025	Ring macro 2
			026 ∘ 030	Ring macro 3
			031 ∘ 035	Ring macro 4
			036 ∘ 040	Ring macro 5
			041 ∘ 045	Ring macro 6
			046 ∘ 050	Ring macro 7
			051 ∘ 055	Ring macro 8
			056 ∘ 060	Ring macro 9
			061 ∘ 065	Ring macro 10
			066 ∘ 070	Ring macro 11
			071 ∘ 075	Ring macro 12
			076 ∘ 080	Ring macro 13
			081 ∘ 085	Ring macro 14
			086 ∘ 090	Ring macro 15
			091 ∘ 095	Ring macro 16
			096 ∘ 100	Ring macro 17
			101 ∘ 105	Ring macro 18
			106 ∘ 110	Ring macro 19
			111 ∘ 115	Ring macro 20
			116 ∘ 120	Ring macro 21
			121 ∘ 125	Ring macro 22
			126 ∘ 130	Ring macro 23
			131 ∘ 135	Ring macro 24
			136 ∘ 140	Color ring macro 1
			141 ∘ 145	Color ring macro 2
			146 ∘ 150	Color ring macro 3
			151 ∘ 155	Color ring macro 4
			156 ∘ 160	Color ring macro 5
			161 ∘ 165	Color ring macro 6
			166 ∘ 170	Color ring macro 7
			171 ∘ 175	Color ring macro 8
			176 ∘ 180	Color ring macro 9
			181 ∘ 185	Color ring macro 10
			186 ∘ 190	Color ring macro 11
			191 ∘ 195	Color ring macro 12
			196 ∘ 200	Color ring macro 13
			201 ∘ 205	Color ring macro 14
			206 ∘ 210	Color ring macro 15
			211 ∘ 215	Color ring macro 16
			216 ∘ 220	Color ring macro 17
			221 ∘ 225	Color ring macro 18
			226 ∘ 230	Color ring macro 19
			231 ∘ 235	Color ring macro 20
			236 ∘ 240	Color ring macro 21
			241 ∘ 245	Color ring macro 22
			246 ∘ 250	Color ring macro 23
			251 ∘ 255	Color ring macro 24
	11	Programs		
	12	Auto Speed	000 ∘ 255	0–100% (Only when using Ch. 11)

DMX Values (Cont.)

54CH MS (Cont.)	Channel	Function	Value	Percent/Setting
	13	Zoom	000○ 255	0–100%
			000○ 009	No function
			010○ 014	Blackout during pan/tilt
			015○ 019	No function
			020○ 024	No function
			025○ 029	No function
			030○ 034	No function
			035○ 039	No function
			040○ 044	No function
			045○ 049	No function
			050○ 054	Pan reset (5 s activation delay)
			055○ 059	Tilt reset (5 s activation delay)
			060○ 064	Zoom reset (5 s activation delay)
			065○ 069	No function
			070○ 074	All reset (5 s activation delay)
			075○ 079	No function
			080○ 084	Pan/Tilt movement reverse (5 s activation delay)
	14	Control	085○ 089	Pan movement reverse (5 s activation delay)
			090○ 094	Tilt movement reverse (5 s activation delay)
			095○ 099	Disable Pan movement reverse (5 s activation delay)
			100○ 104	Disable Tilt movement reverse (5 s activation delay)
			105○ 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110○ 114	No function
			115○ 119	No function
			120○ 124	Economy fan (5 s activation delay)
			125○ 129	Full fan (5 s activation delay)
			130○ 134	Auto fan (5 s activation delay)
			135○ 139	Fast dimmer curve (5 s activation delay)
			140○ 144	Smooth dimmer curve (5 s activation delay)
			145○ 255	No function
	15	Red 1	000○ 255	0–100%
	16	Fine Red 1	000○ 255	Fine control (16-bit)
	17	Green 1	000○ 255	0–100%
	18	Fine Green 1	000○ 255	Fine control (16-bit)
	19	Blue 1	000○ 255	0–100%
	20	Fine Blue 1	000○ 255	Fine control (16-bit)
	21	White 1	000○ 255	0–100%
	22	Fine White 1	000○ 255	Fine control (16-bit)
	23	Red 2	000○ 255	0–100%
	24	Fine Red 2	000○ 255	Fine control (16-bit)

DMX Values (Cont.)

54CH MS (Cont.)	Channel	Function	Value	Percent/Setting
	25	Green 2	000○255	0–100%
	26	Fine Green 2	000○255	Fine control (16-bit)
	27	Blue 2	000○255	0–100%
	28	Fine Blue 2	000○255	Fine control (16-bit)
	29	White 2	000○255	0–100%
	30	Fine White 2	000○255	Fine control (16-bit)
	31	Red 3	000○255	0–100%
	32	Fine Red 3	000○255	Fine control (16-bit)
	33	Green 3	000○255	0–100%
	34	Fine Green 3	000○255	Fine control (16-bit)
	35	Blue 3	000○255	0–100%
	36	Fine Blue 3	000○255	Fine control (16-bit)
	37	White 3	000○255	0–100%
	38	Fine White 3	000○255	Fine control (16-bit)
	39	Red 4	000○255	0–100%
	40	Fine Red 4	000○255	Fine control (16-bit)
	41	Green 4	000○255	0–100%
	42	Fine Green 4	000○255	Fine control (16-bit)
	43	Blue 4	000○255	0–100%
	44	Fine Blue 4	000○255	Fine control (16-bit)
	45	White 4	000○255	0–100%
	46	Fine White 4	000○255	Fine control (16-bit)
	47	Red 5	000○255	0–100%
	48	Fine Red 5	000○255	Fine control (16-bit)
	49	Green 5	000○255	0–100%
	50	Fine Green 5	000○255	Fine control (16-bit)
	51	Blue 5	000○255	0–100%
	52	Fine Blue 5	000○255	Fine control (16-bit)
	53	White 5	000○255	0–100%
	54	Fine White 5	000○255	Fine control (16-bit)

DMX Values (Cont.)

33CH	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	Shutter	000 ∘ 019	Closed
			020 ∘ 024	Open
			025 ∘ 064	Fast to slow
			065 ∘ 069	Open
			070 ∘ 084	Fast on/ramp off
			085 ∘ 089	Open
			090 ∘ 104	Ramp off/fast on
			105 ∘ 109	Open
			110 ∘ 124	Random
			125 ∘ 129	Open
			130 ∘ 144	Random fast on/ramp off
			145 ∘ 149	Open
			150 ∘ 164	Random slow on/fast off
			165 ∘ 169	Open
			170 ∘ 184	Pulse
			185 ∘ 189	Open
	190 ∘ 204	Random pulse		
	205 ∘ 209	Open		
	210 ∘ 224	Fade on/off		
	225 ∘ 229	Open		
	230 ∘ 244	Pulse		
	245 ∘ 255	Open		
	8	Red 1	000 ∘ 255	0–100%
	9	Green 1	000 ∘ 255	0–100%
	10	Blue 1	000 ∘ 255	0–100%
	11	White 1	000 ∘ 255	0–100%
	12	Red 2	000 ∘ 255	0–100%
	13	Green 2	000 ∘ 255	0–100%
	14	Blue 2	000 ∘ 255	0–100%
	15	White 2	000 ∘ 255	0–100%
	16	Red 3	000 ∘ 255	0–100%
	17	Green 3	000 ∘ 255	0–100%
	18	Blue 3	000 ∘ 255	0–100%
	19	White 3	000 ∘ 255	0–100%
	20	Red 4	000 ∘ 255	0–100%
	21	Green 4	000 ∘ 255	0–100%
	22	Blue 4	000 ∘ 255	0–100%
	23	White 4	000 ∘ 255	0–100%

DMX Values (Cont.)

33CH (Cont.)	Channel	Function	Value	Percent/Setting
	24	Red 5	000↻ 255	0–100%
	25	Green 5	000↻ 255	0–100%
	26	Blue 5	000↻ 255	0–100%
	27	White 5	000↻ 255	0–100%
	28	Color	000↻ 004	Open
			005↻ 009	Color 1
			010↻ 014	Color 2
			015↻ 019	Color 3
			020↻ 024	Color 4
			025↻ 029	Color 5
			030↻ 034	Color 6
			035↻ 039	Color 7
			040↻ 044	Color 8
			045↻ 049	Color 9
			050↻ 054	Color 10
			055↻ 059	Color 11
			060↻ 064	Color 12
			065↻ 069	Color 13
			070↻ 074	Color 14
			075↻ 079	Color 15
			080↻ 084	Color 16
			085↻ 089	Color 17
			090↻ 094	Color 18
			095↻ 099	Color 19
			100↻ 104	Color 20
			105↻ 109	Color 21
			110↻ 114	Color 22
			115↻ 119	Color 23
			120↻ 124	Color 24
			125↻ 129	Color 25
			130↻ 134	Color 26
			135↻ 139	Color 27
			140↻ 144	Color 28
			145↻ 149	Color 29
			150↻ 154	Color 30
			155↻ 159	Color 31
			160↻ 164	Color 32
			165↻ 169	Color 33
	170↻ 174	Color 34		
	175↻ 179	Closed		
	180↻ 201	Clockwise color scroll, fast to slow		
	202↻ 207	Stop on current color		
	208↻ 229	Counter-clockwise color scroll, fast to slow		
	230↻ 234	Closed		
	235↻ 249	Color scroll		
	250↻ 255	Closed		

DMX Values (Cont.)

33CH (Cont.)	Channel	Function	Value	Percent/Setting
			000○ 007	Zone 1, 2, 3, 4, 5
			008○ 015	Zone 2, 3, 4, 5
			016○ 023	Zone 3, 4, 5
			024○ 031	Zone 4, 5
			032○ 039	Zone 5
			040○ 047	No function
			048○ 055	Zone 1
			056○ 063	Zone 1, 2
			064○ 071	Zone 1, 2, 3
			072○ 079	Zone 1, 2, 3, 4
			080○ 087	Zone 1, 2, 3, 4, 5
			088○ 095	Zone 1
			096○ 103	Zone 2
			104○ 111	Zone 3
			112○ 119	Zone 4
			120○ 127	Zone 5
	29	Zone Selection	128○ 135	Zone 1, 2
			136○ 143	Zone 2, 3
			144○ 151	Zone 3, 4
			152○ 159	Zone 4, 5
			160○ 167	Zone 1, 5
			168○ 175	Zone 1, 2, 3
			176○ 183	Zone 2, 3, 4
			184○ 191	Zone 3, 4, 5
			192○ 199	Zone 1, 4, 5
			200○ 207	Zone 1, 2, 5
			208○ 215	Zone 1, 2, 3, 4
			216○ 223	Zone 2, 3, 4, 5
			224○ 231	Zone 1, 3, 4, 5
			232○ 239	Zone 1, 2, 4, 5
			240○ 247	Zone 1, 2, 3, 5
			250○ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

33CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 015	No function
			016 ∘ 020	Ring macro 1
			021 ∘ 025	Ring macro 2
			026 ∘ 030	Ring macro 3
			031 ∘ 035	Ring macro 4
			036 ∘ 040	Ring macro 5
			041 ∘ 045	Ring macro 6
			046 ∘ 050	Ring macro 7
			051 ∘ 055	Ring macro 8
			056 ∘ 060	Ring macro 9
			061 ∘ 065	Ring macro 10
			066 ∘ 070	Ring macro 11
			071 ∘ 075	Ring macro 12
			076 ∘ 080	Ring macro 13
			081 ∘ 085	Ring macro 14
			086 ∘ 090	Ring macro 15
			091 ∘ 095	Ring macro 16
			096 ∘ 100	Ring macro 17
			101 ∘ 105	Ring macro 18
			106 ∘ 110	Ring macro 19
			111 ∘ 115	Ring macro 20
			116 ∘ 120	Ring macro 21
			121 ∘ 125	Ring macro 22
			126 ∘ 130	Ring macro 23
			131 ∘ 135	Ring macro 24
			136 ∘ 140	Color ring macro 1
			141 ∘ 145	Color ring macro 2
			146 ∘ 150	Color ring macro 3
			151 ∘ 155	Color ring macro 4
			156 ∘ 160	Color ring macro 5
			161 ∘ 165	Color ring macro 6
			166 ∘ 170	Color ring macro 7
			171 ∘ 175	Color ring macro 8
			176 ∘ 180	Color ring macro 9
			181 ∘ 185	Color ring macro 10
			186 ∘ 190	Color ring macro 11
			191 ∘ 195	Color ring macro 12
			196 ∘ 200	Color ring macro 13
			201 ∘ 205	Color ring macro 14
			206 ∘ 210	Color ring macro 15
			211 ∘ 215	Color ring macro 16
			216 ∘ 220	Color ring macro 17
			221 ∘ 225	Color ring macro 18
			226 ∘ 230	Color ring macro 19
			231 ∘ 235	Color ring macro 20
			236 ∘ 240	Color ring macro 21
			241 ∘ 245	Color ring macro 22
			246 ∘ 250	Color ring macro 23
			251 ∘ 255	Color ring macro 24
	30	Programs		
	31	Auto Speed	000 ∘ 255	0–100% (Only when using Ch. 30)

DMX Values (Cont.)

33CH (Cont.)	Channel	Function	Value	Percent/Setting
	32	Zoom	000○ 255	0–100%
	33	Control	000○ 009	No function
			010○ 014	Blackout during pan/tilt
			015○ 019	No function
			020○ 024	No function
			025○ 029	No function
			030○ 034	No function
			035○ 039	No function
			040○ 044	No function
			045○ 049	No function
			050○ 054	Pan reset (5 s activation delay)
			055○ 059	Tilt reset (5 s activation delay)
			060○ 064	Zoom reset (5 s activation delay)
			065○ 069	No function
			070○ 074	All reset (5 s activation delay)
			075○ 079	No function
			080○ 084	Pan/Tilt movement reverse (5 s activation delay)
			085○ 089	Pan movement reverse (5 s activation delay)
			090○ 094	Tilt movement reverse (5 s activation delay)
			095○ 099	Disable Pan movement reverse (5 s activation delay)
			100○ 104	Disable Tilt movement reverse (5 s activation delay)
			105○ 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110○ 114	No function
			115○ 119	No function
			120○ 124	Economy fan (5 s activation delay)
			125○ 129	Full fan (5 s activation delay)
			130○ 134	Auto fan (5 s activation delay)
	135○ 139	Fast dimmer curve (5 s activation delay)		
	140○ 144	Smooth dimmer curve (5 s activation delay)		
	145○ 255	No function		

DMX Values (Cont.)

33CH MS

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	Shutter	000○ 019	Closed
		020○ 024	Open
		025○ 064	Fast to slow
		065○ 069	Open
		070○ 084	Fast on/ramp off
		085○ 089	Open
		090○ 104	Ramp off/fast on
		105○ 109	Open
		110○ 124	Random
		125○ 129	Open
		130○ 144	Random fast on/ramp off
		145○ 149	Open
		150○ 164	Random slow on/fast off
		165○ 169	Open
		170○ 184	Pulse
		185○ 189	Open
		190○ 204	Random pulse
		205○ 209	Open
		210○ 224	Fade on/off
		225○ 229	Open
		230○ 244	Pulse
		245○ 255	Open

DMX Values (Cont.)

33CH MS (Cont.)	Channel	Function	Value	Percent/Setting
			000↻ 004	Open
			005↻ 009	Color 1
			010↻ 014	Color 2
			015↻ 019	Color 3
			020↻ 024	Color 4
			025↻ 029	Color 5
			030↻ 034	Color 6
			035↻ 039	Color 7
			040↻ 044	Color 8
			045↻ 049	Color 9
			050↻ 054	Color 10
			055↻ 059	Color 11
			060↻ 064	Color 12
			065↻ 069	Color 13
			070↻ 074	Color 14
			075↻ 079	Color 15
			080↻ 084	Color 16
			085↻ 089	Color 17
			090↻ 094	Color 18
			095↻ 099	Color 19
	8	Color	100↻ 104	Color 20
			105↻ 109	Color 21
			110↻ 114	Color 22
			115↻ 119	Color 23
			120↻ 124	Color 24
			125↻ 129	Color 25
			130↻ 134	Color 26
			135↻ 139	Color 27
			140↻ 144	Color 28
			145↻ 149	Color 29
			150↻ 154	Color 30
			155↻ 159	Color 31
			160↻ 164	Color 32
			165↻ 169	Color 33
			170↻ 174	Color 34
			175↻ 179	Closed
			180↻ 201	Clockwise color scroll, fast to slow
			202↻ 207	Stop on current color
			208↻ 229	Counter-clockwise color scroll, fast to slow
			230↻ 234	Closed
			235↻ 249	Color scroll
			250↻ 255	Closed

DMX Values (Cont.)

33CH MS (Cont.)	Channel	Function	Value	Percent/Setting
9	Zone Selection	000	007	Zone 1, 2, 3, 4, 5
		008	015	Zone 2, 3, 4, 5
		016	023	Zone 3, 4, 5
		024	031	Zone 4, 5
		032	039	Zone 5
		040	047	No function
		048	055	Zone 1
		056	063	Zone 1, 2
		064	071	Zone 1, 2, 3
		072	079	Zone 1, 2, 3, 4
		080	087	Zone 1, 2, 3, 4, 5
		088	095	Zone 1
		096	103	Zone 2
		104	111	Zone 3
		112	119	Zone 4
		120	127	Zone 5
		128	135	Zone 1, 2
		136	143	Zone 2, 3
		144	151	Zone 3, 4
		152	159	Zone 4, 5
		160	167	Zone 1, 5
		168	175	Zone 1, 2, 3
		176	183	Zone 2, 3, 4
		184	191	Zone 3, 4, 5
		192	199	Zone 1, 4, 5
		200	207	Zone 1, 2, 5
		208	215	Zone 1, 2, 3, 4
		216	223	Zone 2, 3, 4, 5
224	231	Zone 1, 3, 4, 5		
232	239	Zone 1, 2, 4, 5		
240	247	Zone 1, 2, 3, 5		
250	255	Zone 1, 2, 3, 4, 5		
10	Programs	000	015	No function
		016	020	Ring macro 1
		021	025	Ring macro 2
		026	030	Ring macro 3
		031	035	Ring macro 4
		036	040	Ring macro 5
		041	045	Ring macro 6
		046	050	Ring macro 7
		051	055	Ring macro 8
		056	060	Ring macro 9
		061	065	Ring macro 10
		066	070	Ring macro 11
		071	075	Ring macro 12
		076	080	Ring macro 13
		081	085	Ring macro 14
		086	090	Ring macro 15
		091	095	Ring macro 16
		096	100	Ring macro 17
		101	105	Ring macro 18
106	110	Ring macro 19		

DMX Values (Cont.)

33CH MS (Cont.)	Channel	Function	Value	Percent/Setting
10	Programs (Cont.)	111	115	Ring macro 20
		116	120	Ring macro 21
		121	125	Ring macro 22
		126	130	Ring macro 23
		131	135	Ring macro 24
		136	140	Color ring macro 1
		141	145	Color ring macro 2
		146	150	Color ring macro 3
		151	155	Color ring macro 4
		156	160	Color ring macro 5
		161	165	Color ring macro 6
		166	170	Color ring macro 7
		171	175	Color ring macro 8
		176	180	Color ring macro 9
		181	185	Color ring macro 10
		186	190	Color ring macro 11
		191	195	Color ring macro 12
		196	200	Color ring macro 13
		201	205	Color ring macro 14
		206	210	Color ring macro 15
		211	215	Color ring macro 16
		216	220	Color ring macro 17
		221	225	Color ring macro 18
		226	230	Color ring macro 19
231	235	Color ring macro 20		
236	240	Color ring macro 21		
241	245	Color ring macro 22		
246	250	Color ring macro 23		
251	255	Color ring macro 24		
11	Auto Speed	000	255	0–100% (Only when using Ch. 10)
12	Zoom	000	255	0–100%
13	Control	000	009	No function
		010	014	Blackout during pan/tilt
		015	019	No function
		020	024	No function
		025	029	No function
		030	034	No function
		035	039	No function
		040	044	No function
		045	049	No function
		050	054	Pan reset (5 s activation delay)
		055	059	Tilt reset (5 s activation delay)
		060	064	Zoom reset (5 s activation delay)
		065	069	No function
		070	074	All reset (5 s activation delay)
		075	079	No function
		080	084	Pan/Tilt movement reverse (5 s activation delay)
		085	089	Pan movement reverse (5 s activation delay)
090	094	Tilt movement reverse (5 s activation delay)		

DMX Values (Cont.)

33CH MS (Cont.)	Channel	Function	Value	Percent/Setting		
	13	Control (Cont.)	095 ∘ 099	Disable Pan movement reverse (5 s activation delay)		
			100 ∘ 104	Disable Tilt movement reverse (5 s activation delay)		
			105 ∘ 109	Disable Pan/Tilt movement reverse (5 s activation delay)		
			110 ∘ 114	No function		
			115 ∘ 119	No function		
			120 ∘ 124	Economy fan (5 s activation delay)		
			125 ∘ 129	Full fan (5 s activation delay)		
			130 ∘ 134	Auto fan (5 s activation delay)		
			135 ∘ 139	Fast dimmer curve (5 s activation delay)		
			140 ∘ 144	Smooth dimmer curve (5 s activation delay)		
			145 ∘ 255	No function		
			14	Red 1	000 ∘ 255	0–100%
			15	Green 1	000 ∘ 255	0–100%
16	Blue 1	000 ∘ 255	0–100%			
17	White 1	000 ∘ 255	0–100%			
18	Red 2	000 ∘ 255	0–100%			
19	Green 2	000 ∘ 255	0–100%			
20	Blue 2	000 ∘ 255	0–100%			
21	White 2	000 ∘ 255	0–100%			
22	Red 3	000 ∘ 255	0–100%			
23	Green 3	000 ∘ 255	0–100%			
24	Blue 3	000 ∘ 255	0–100%			
25	White 3	000 ∘ 255	0–100%			
26	Red 4	000 ∘ 255	0–100%			
27	Green 4	000 ∘ 255	0–100%			
28	Blue 4	000 ∘ 255	0–100%			
29	White 4	000 ∘ 255	0–100%			
30	Red 5	000 ∘ 255	0–100%			
31	Green 5	000 ∘ 255	0–100%			
32	Blue 5	000 ∘ 255	0–100%			
33	White 5	000 ∘ 255	0–100%			

DMX Values (Cont.)

22CH	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	Shutter	000 ∘ 019	Closed
			020 ∘ 024	Open
			025 ∘ 064	Fast to slow
			065 ∘ 069	Open
			070 ∘ 084	Fast on/ramp off
			085 ∘ 089	Open
			090 ∘ 104	Ramp off/fast on
			105 ∘ 109	Open
			110 ∘ 124	Random
			125 ∘ 129	Open
			130 ∘ 144	Random fast on/ramp off
			145 ∘ 149	Open
			150 ∘ 164	Random slow on/fast off
			165 ∘ 169	Open
			170 ∘ 184	Pulse
			185 ∘ 189	Open
	190 ∘ 204	Random pulse		
	205 ∘ 209	Open		
	210 ∘ 224	Fade on/off		
	225 ∘ 229	Open		
	230 ∘ 244	Pulse		
	245 ∘ 255	Open		
	9	Red	000 ∘ 255	0–100%
	10	Fine Red	000 ∘ 255	Fine control (16-bit)
	11	Green	000 ∘ 255	0–100%
	12	Fine Green	000 ∘ 255	Fine control (16-bit)
	13	Blue	000 ∘ 255	0–100%
	14	Fine Blue	000 ∘ 255	Fine control (16-bit)
	15	White	000 ∘ 255	0–100%
	16	Fine White	000 ∘ 255	Fine control (16-bit)

DMX Values (Cont.)

22CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 004	Open
			005 ∘ 009	Color 1
			010 ∘ 014	Color 2
			015 ∘ 019	Color 3
			020 ∘ 024	Color 4
			025 ∘ 029	Color 5
			030 ∘ 034	Color 6
			035 ∘ 039	Color 7
			040 ∘ 044	Color 8
			045 ∘ 049	Color 9
			050 ∘ 054	Color 10
			055 ∘ 059	Color 11
			060 ∘ 064	Color 12
			065 ∘ 069	Color 13
			070 ∘ 074	Color 14
			075 ∘ 079	Color 15
			080 ∘ 084	Color 16
			085 ∘ 089	Color 17
			090 ∘ 094	Color 18
			095 ∘ 099	Color 19
	17	Color	100 ∘ 104	Color 20
			105 ∘ 109	Color 21
			110 ∘ 114	Color 22
			115 ∘ 119	Color 23
			120 ∘ 124	Color 24
			125 ∘ 129	Color 25
			130 ∘ 134	Color 26
			135 ∘ 139	Color 27
			140 ∘ 144	Color 28
			145 ∘ 149	Color 29
			150 ∘ 154	Color 30
			155 ∘ 159	Color 31
			160 ∘ 164	Color 32
			165 ∘ 169	Color 33
			170 ∘ 174	Color 34
			175 ∘ 179	Closed
			180 ∘ 201	Clockwise color scroll, fast to slow
			202 ∘ 207	Stop on current color
			208 ∘ 229	Counter-clockwise color scroll, fast to slow
			230 ∘ 234	Closed
			235 ∘ 249	Color scroll
			250 ∘ 255	Closed

DMX Values (Cont.)

22CH (Cont.)	Channel	Function	Value	Percent/Setting
			000○ 007	Zone 1, 2, 3, 4, 5
			008○ 015	Zone 2, 3, 4, 5
			016○ 023	Zone 3, 4, 5
			024○ 031	Zone 4, 5
			032○ 039	Zone 5
			040○ 047	No function
			048○ 055	Zone 1
			056○ 063	Zone 1, 2
			064○ 071	Zone 1, 2, 3
			072○ 079	Zone 1, 2, 3, 4
			080○ 087	Zone 1, 2, 3, 4, 5
			088○ 095	Zone 1
			096○ 103	Zone 2
			104○ 111	Zone 3
			112○ 119	Zone 4
			120○ 127	Zone 5
	18	Zone Selection	128○ 135	Zone 1, 2
			136○ 143	Zone 2, 3
			144○ 151	Zone 3, 4
			152○ 159	Zone 4, 5
			160○ 167	Zone 1, 5
			168○ 175	Zone 1, 2, 3
			176○ 183	Zone 2, 3, 4
			184○ 191	Zone 3, 4, 5
			192○ 199	Zone 1, 4, 5
			200○ 207	Zone 1, 2, 5
			208○ 215	Zone 1, 2, 3, 4
			216○ 223	Zone 2, 3, 4, 5
			224○ 231	Zone 1, 3, 4, 5
			232○ 239	Zone 1, 2, 4, 5
			240○ 247	Zone 1, 2, 3, 5
			250○ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

22CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 015	No function
			016 ∘ 020	Ring macro 1
			021 ∘ 025	Ring macro 2
			026 ∘ 030	Ring macro 3
			031 ∘ 035	Ring macro 4
			036 ∘ 040	Ring macro 5
			041 ∘ 045	Ring macro 6
			046 ∘ 050	Ring macro 7
			051 ∘ 055	Ring macro 8
			056 ∘ 060	Ring macro 9
			061 ∘ 065	Ring macro 10
			066 ∘ 070	Ring macro 11
			071 ∘ 075	Ring macro 12
			076 ∘ 080	Ring macro 13
			081 ∘ 085	Ring macro 14
			086 ∘ 090	Ring macro 15
			091 ∘ 095	Ring macro 16
			096 ∘ 100	Ring macro 17
			101 ∘ 105	Ring macro 18
			106 ∘ 110	Ring macro 19
			111 ∘ 115	Ring macro 20
			116 ∘ 120	Ring macro 21
			121 ∘ 125	Ring macro 22
			126 ∘ 130	Ring macro 23
			131 ∘ 135	Ring macro 24
			136 ∘ 140	Color ring macro 1
			141 ∘ 145	Color ring macro 2
			146 ∘ 150	Color ring macro 3
			151 ∘ 155	Color ring macro 4
			156 ∘ 160	Color ring macro 5
			161 ∘ 165	Color ring macro 6
			166 ∘ 170	Color ring macro 7
			171 ∘ 175	Color ring macro 8
			176 ∘ 180	Color ring macro 9
			181 ∘ 185	Color ring macro 10
			186 ∘ 190	Color ring macro 11
			191 ∘ 195	Color ring macro 12
			196 ∘ 200	Color ring macro 13
			201 ∘ 205	Color ring macro 14
			206 ∘ 210	Color ring macro 15
			211 ∘ 215	Color ring macro 16
			216 ∘ 220	Color ring macro 17
			221 ∘ 225	Color ring macro 18
			226 ∘ 230	Color ring macro 19
			231 ∘ 235	Color ring macro 20
			236 ∘ 240	Color ring macro 21
			241 ∘ 245	Color ring macro 22
			246 ∘ 250	Color ring macro 23
			251 ∘ 255	Color ring macro 24
	19	Programs		
	20	Auto Speed	000 ∘ 255	0–100% (Only when using Ch. 19)

DMX Values (Cont.)

22CH (Cont.)	Channel	Function	Value	Percent/Setting
	21	Zoom	000○ 255	0–100%
			000○ 009	No function
			010○ 014	Blackout during pan/tilt
			015○ 019	No function
			020○ 024	No function
			025○ 029	No function
			030○ 034	No function
			035○ 039	No function
			040○ 044	No function
			045○ 049	No function
			050○ 054	Pan reset (5 s activation delay)
			055○ 059	Tilt reset (5 s activation delay)
			060○ 064	Zoom reset (5 s activation delay)
			065○ 069	No function
			070○ 074	All reset (5 s activation delay)
			075○ 079	No function
			080○ 084	Pan/Tilt movement
	22	Control		reverse (5 s activation delay)
			085○ 089	Pan movement reverse (5 s activation delay)
			090○ 094	Tilt movement reverse (5 s activation delay)
			095○ 099	Disable Pan movement
				reverse (5 s activation delay)
			100○ 104	Disable Tilt movement
				reverse (5 s activation delay)
			105○ 109	Disable Pan/Tilt movement
				reverse (5 s activation delay)
			110○ 114	No function
			115○ 119	No function
			120○ 124	Economy fan (5 s activation delay)
			125○ 129	Full fan (5 s activation delay)
			130○ 134	Auto fan (5 s activation delay)
			135○ 139	Fast dimmer curve (5 s activation delay)
			140○ 144	Smooth dimmer curve (5 s activation delay)
			145○ 255	No function

DMX Values (Cont.)

17CH	Channel	Function	Value	Percent/Setting
	1	Pan	000 ó 255	0–100%
	2	Fine Pan	000 ó 255	Fine control (16-bit)
	3	Tilt	000 ó 255	0–100%
	4	Fine Tilt	000 ó 255	Fine control (16-bit)
	5	Pan/Tilt Speed	000 ó 255	0–100%
	6	Dimmer	000 ó 255	0–100%
	7	Shutter	000 ó 019	Closed
			020 ó 024	Open
			025 ó 064	Fast to slow
			065 ó 069	Open
			070 ó 084	Fast on/ramp off
			085 ó 089	Open
			090 ó 104	Ramp off/fast on
			105 ó 109	Open
			110 ó 124	Random
			125 ó 129	Open
			130 ó 144	Random fast on/ramp off
			145 ó 149	Open
			150 ó 164	Random slow on/fast off
			165 ó 169	Open
			170 ó 184	Pulse
	185 ó 189	Open		
	190 ó 204	Random pulse		
	205 ó 209	Open		
	210 ó 224	Fade on/off		
	225 ó 229	Open		
	230 ó 244	Pulse		
	245 ó 255	Open		
	8	Red	000 ó 255	0–100%
	9	Green	000 ó 255	0–100%
	10	Blue	000 ó 255	0–100%
	11	White	000 ó 255	0–100%

DMX Values (Cont.)

17CH (Cont.)	Channel	Function	Value	Percent/Setting
			000◊004	Open
			005◊009	Color 1
			010◊014	Color 2
			015◊019	Color 3
			020◊024	Color 4
			025◊029	Color 5
			030◊034	Color 6
			035◊039	Color 7
			040◊044	Color 8
			045◊049	Color 9
			050◊054	Color 10
			055◊059	Color 11
			060◊064	Color 12
			065◊069	Color 13
			070◊074	Color 14
			075◊079	Color 15
			080◊084	Color 16
			085◊089	Color 17
			090◊094	Color 18
			095◊099	Color 19
	12	Color	100◊104	Color 20
			105◊109	Color 21
			110◊114	Color 22
			115◊119	Color 23
			120◊124	Color 24
			125◊129	Color 25
			130◊134	Color 26
			135◊139	Color 27
			140◊144	Color 28
			145◊149	Color 29
			150◊154	Color 30
			155◊159	Color 31
			160◊164	Color 32
			165◊169	Color 33
			170◊174	Color 34
			175◊179	Closed
			180◊201	Clockwise color scroll, fast to slow
			202◊207	Stop on current color
			208◊229	Counter-clockwise color scroll, fast to slow
			230◊234	Closed
			235◊249	Color scroll
			250◊255	Closed

DMX Values (Cont.)

17CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ∘ 007	Zone 1, 2, 3, 4, 5
			008 ∘ 015	Zone 2, 3, 4, 5
			016 ∘ 023	Zone 3, 4, 5
			024 ∘ 031	Zone 4, 5
			032 ∘ 039	Zone 5
			040 ∘ 047	No function
			048 ∘ 055	Zone 1
			056 ∘ 063	Zone 1, 2
			064 ∘ 071	Zone 1, 2, 3
			072 ∘ 079	Zone 1, 2, 3, 4
			080 ∘ 087	Zone 1, 2, 3, 4, 5
			088 ∘ 095	Zone 1
			096 ∘ 103	Zone 2
			104 ∘ 111	Zone 3
			112 ∘ 119	Zone 4
			120 ∘ 127	Zone 5
	13	Zone Selection	128 ∘ 135	Zone 1, 2
			136 ∘ 143	Zone 2, 3
			144 ∘ 151	Zone 3, 4
			152 ∘ 159	Zone 4, 5
			160 ∘ 167	Zone 1, 5
			168 ∘ 175	Zone 1, 2, 3
			176 ∘ 183	Zone 2, 3, 4
			184 ∘ 191	Zone 3, 4, 5
			192 ∘ 199	Zone 1, 4, 5
			200 ∘ 207	Zone 1, 2, 5
			208 ∘ 215	Zone 1, 2, 3, 4
			216 ∘ 223	Zone 2, 3, 4, 5
			224 ∘ 231	Zone 1, 3, 4, 5
			232 ∘ 239	Zone 1, 2, 4, 5
			240 ∘ 247	Zone 1, 2, 3, 5
			250 ∘ 255	Zone 1, 2, 3, 4, 5

DMX Values (Cont.)

**17CH
(Cont.)**

Channel	Function	Value	Percent/Setting
14	Programs	000○ 015	No function
		016○ 020	Ring macro 1
		021○ 025	Ring macro 2
		026○ 030	Ring macro 3
		031○ 035	Ring macro 4
		036○ 040	Ring macro 5
		041○ 045	Ring macro 6
		046○ 050	Ring macro 7
		051○ 055	Ring macro 8
		056○ 060	Ring macro 9
		061○ 065	Ring macro 10
		066○ 070	Ring macro 11
		071○ 075	Ring macro 12
		076○ 080	Ring macro 13
		081○ 085	Ring macro 14
		086○ 090	Ring macro 15
		091○ 095	Ring macro 16
		096○ 100	Ring macro 17
		101○ 105	Ring macro 18
		106○ 110	Ring macro 19
		111○ 115	Ring macro 20
		116○ 120	Ring macro 21
		121○ 125	Ring macro 22
		126○ 130	Ring macro 23
		131○ 135	Ring macro 24
		136○ 140	Color ring macro 1
		141○ 145	Color ring macro 2
		146○ 150	Color ring macro 3
		151○ 155	Color ring macro 4
		156○ 160	Color ring macro 5
		161○ 165	Color ring macro 6
		166○ 170	Color ring macro 7
		171○ 175	Color ring macro 8
176○ 180	Color ring macro 9		
181○ 185	Color ring macro 10		
186○ 190	Color ring macro 11		
191○ 195	Color ring macro 12		
196○ 200	Color ring macro 13		
201○ 205	Color ring macro 14		
206○ 210	Color ring macro 15		
211○ 215	Color ring macro 16		
216○ 220	Color ring macro 17		
221○ 225	Color ring macro 18		
226○ 230	Color ring macro 19		
231○ 235	Color ring macro 20		
236○ 240	Color ring macro 21		
241○ 245	Color ring macro 22		
246○ 250	Color ring macro 23		
251○ 255	Color ring macro 24		
15	Auto Speed	000○ 255	0–100% (Only when using Ch. 14)

DMX Values (Cont.)

17CH (Cont.)	Channel	Function	Value	Percent/Setting
	16	Zoom	000-255	0-100%
			000-009	No function
			010-014	Blackout during pan/tilt
			015-019	No function
			020-024	No function
			025-029	No function
			030-034	No function
			035-039	No function
			040-044	No function
			045-049	No function
			050-054	Pan reset (5 s activation delay)
			055-059	Tilt reset (5 s activation delay)
			060-064	Zoom reset (5 s activation delay)
			065-069	No function
			070-074	All reset (5 s activation delay)
			075-079	No function
			080-084	Pan/Tilt movement reverse (5 s activation delay)
			085-089	Pan movement reverse (5 s activation delay)
			090-094	Tilt movement reverse (5 s activation delay)
			095-099	Disable Pan movement reverse (5 s activation delay)
			100-104	Disable Tilt movement reverse (5 s activation delay)
			105-109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110-114	No function
			115-119	No function
			120-124	Economy fan (5 s activation delay)
			125-129	Full fan (5 s activation delay)
			130-134	Auto fan (5 s activation delay)
			135-139	Fast dimmer curve (5 s activation delay)
			140-144	Smooth dimmer curve (5 s activation delay)
			145-255	No function
	17	Control		

DMX Values (Cont.)

15CH	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	Shutter	000 ∘ 019	Closed
			020 ∘ 024	Open
			025 ∘ 064	Fast to slow
			065 ∘ 069	Open
			070 ∘ 084	Fast on/ramp off
			085 ∘ 089	Open
			090 ∘ 104	Ramp off/fast on
			105 ∘ 109	Open
			110 ∘ 124	Random
			125 ∘ 129	Open
			130 ∘ 144	Random fast on/ramp off
			145 ∘ 149	Open
			150 ∘ 164	Random slow on/fast off
			165 ∘ 169	Open
			170 ∘ 184	Pulse
			185 ∘ 189	Open
	190 ∘ 204	Random pulse		
	205 ∘ 209	Open		
	210 ∘ 224	Fade on/off		
	225 ∘ 229	Open		
	230 ∘ 244	Pulse		
	245 ∘ 255	Open		
	9	Red	000 ∘ 255	0–100%
	10	Green	000 ∘ 255	0–100%
	11	Blue	000 ∘ 255	0–100%
	12	White	000 ∘ 255	0–100%

DMX Values (Cont.)

15CH (Cont.)	Channel	Function	Value	Percent/Setting
	13	Color	000 004	Open
			005 009	Color 1
			010 014	Color 2
			015 019	Color 3
			020 024	Color 4
			025 029	Color 5
			030 034	Color 6
			035 039	Color 7
			040 044	Color 8
			045 049	Color 9
			050 054	Color 10
			055 059	Color 11
			060 064	Color 12
			065 069	Color 13
			070 074	Color 14
			075 079	Color 15
			080 084	Color 16
			085 089	Color 17
			090 094	Color 18
			095 099	Color 19
			100 104	Color 20
			105 109	Color 21
			110 114	Color 22
			115 119	Color 23
			120 124	Color 24
			125 129	Color 25
130 134	Color 26			
135 139	Color 27			
140 144	Color 28			
145 149	Color 29			
150 154	Color 30			
155 159	Color 31			
160 164	Color 32			
165 169	Color 33			
170 174	Color 34			
175 179	Closed			
180 201	Clockwise color scroll, fast to slow			
202 207	Stop on current color			
208 229	Counter-clockwise color scroll, fast to slow			
230 234	Closed			
235 249	Color scroll			
250 255	Closed			
	14	Zoom	000 255	0–100%

DMX Values (Cont.)

15CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 009	No function
			010 014	Blackout during pan/tilt
			015 019	No function
			020 024	No function
			025 029	No function
			030 034	No function
			035 039	No function
			040 044	No function
			045 049	No function
			050 054	Pan reset (5 s activation delay)
			055 059	Tilt reset (5 s activation delay)
			060 064	Zoom reset (5 s activation delay)
			065 069	No function
			070 074	All reset (5 s activation delay)
			075 079	No function
			080 084	Pan/Tilt movement reverse (5 s activation delay)
	15	Control	085 089	Pan movement reverse (5 s activation delay)
			090 094	Tilt movement reverse (5 s activation delay)
			095 099	Disable Pan movement reverse (5 s activation delay)
			100 104	Disable Tilt movement reverse (5 s activation delay)
			105 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110 114	No function
			115 119	No function
			120 124	Economy fan (5 s activation delay)
			125 129	Full fan (5 s activation delay)
			130 134	Auto fan (5 s activation delay)
			135 139	Fast dimmer curve (5 s activation delay)
			140 144	Smooth dimmer curve (5 s activation delay)
			145 255	No function