

DMX Values

21CH	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.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
17	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		
18	Zoom		000○ 255	0-100%

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
19	Movement Macros	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
		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		
20	Movement Macro Speed	000	255	0–100%
21	Control	000	009	No function
		010	014	Blackout during pan/tilt (5 s activation delay)
		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.)

19CH	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.)

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

DMX Values (Cont.)

19CH (Cont.)	Channel	Function	Value	Percent/Setting
			000◊ 009	No function
			010◊ 014	Blackout during pan/tilt (5 s activation delay)
			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)
19	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

15CH	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	Fine Dimmer	000 ó 255	Fine control (16-bit)
	8	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		
	9	Red	000 ó 255	0–100%
	10	Green	000 ó 255	0–100%
	11	Blue	000 ó 255	0–100%
	12	White	000 ó 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 (5 s activation delay)
			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

15 Control

DMX Values (Cont.)

14CH	Channel	Function	Value	Percent/Setting
	1	Pan	000ó255	0–100%
	2	Fine Pan	000ó255	Fine control (16-bit)
	3	Tilt	000ó255	0–100%
	4	Fine Tilt	000ó255	Fine control (16-bit)
	5	Pan/Tilt Speed	000ó255	0–100%
	6	Dimmer	000ó255	0–100%
	7	Shutter	000ó019	Closed
			020ó024	Open
			025ó064	Fast to slow
			065ó069	Open
			070ó084	Fast on/ramp off
			085ó089	Open
			090ó104	Ramp off/fast on
			105ó109	Open
			110ó124	Random
			125ó129	Open
			130ó144	Random fast on/ramp off
			145ó149	Open
			150ó164	Random slow on/fast off
			165ó169	Open
			170ó184	Pulse
	185ó189	Open		
	190ó204	Random pulse		
	205ó209	Open		
	210ó224	Fade on/off		
	225ó229	Open		
	230ó244	Pulse		
	245ó255	Open		
	8	Red	000ó255	0–100%
	9	Green	000ó255	0–100%
	10	Blue	000ó255	0–100%
	11	White	000ó255	0–100%

DMX Values (Cont.)

14CH (Cont.)	Channel	Function	Value	Percent/Setting
12	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		
13	Zoom	000	255	0–100%

DMX Values (Cont.)

14CH (Cont.)	Channel	Function	Value	Percent/Setting
			000◊ 009	No function
			010◊ 014	Blackout during pan/tilt (5 s activation delay)
			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