

DMX Values

21CH	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	Fine Red	000 ó 255	Fine control (16-bit)
	11	Green	000 ó 255	0–100%
	12	Fine Green	000 ó 255	Fine control (16-bit)
	13	Blue	000 ó 255	0–100%
	14	Fine Blue	000 ó 255	Fine control (16-bit)
	15	White	000 ó 255	0–100%
	16	Fine White	000 ó 255	Fine control (16-bit)

DMX Values (Cont.)

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

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
19	Movement Macros		000 ó 007	No function
			008 ó 023	Effect 1
			024 ó 039	Effect 2
			040 ó 055	Effect 3
			056 ó 071	Effect 4
			072 ó 087	Effect 5
			088 ó 103	Effect 6
			104 ó 119	Effect 7
			120 ó 135	Effect 8
			136 ó 151	Effect 9
			152 ó 167	Effect 10
			168 ó 183	Effect 11
			184 ó 199	Effect 12
			200 ó 215	Effect 13
			216 ó 231	Effect 14
			232 ó 247	Effect 15
			248 ó 255	Effect 16
20	Movement Macro Speed		000 ó 255	0–100%
21	Control		000 ó 009	No function
			010 ó 014	Blackout during pan/tilt (5 s activation delay)
			015 ó 019	No function
			020 ó 024	No function
			025 ó 029	No function
			030 ó 034	No function
			035 ó 039	No function
			040 ó 044	No function
			045 ó 049	No function
			050 ó 054	Pan reset (5 s activation delay)
			055 ó 059	Tilt reset (5 s activation delay)
			060 ó 064	Zoom reset (5 s activation delay)
			065 ó 069	No function
			070 ó 074	All reset (5 s activation delay)
			075 ó 079	No function
			080 ó 084	Pan/Tilt movement reverse (5 s activation delay)
			085 ó 089	Pan movement reverse (5 s activation delay)
			090 ó 094	Tilt movement reverse (5 s activation delay)
			095 ó 099	Disable Pan movement reverse (5 s activation delay)
			100 ó 104	Disable Tilt movement reverse (5 s activation delay)
			105 ó 109	Disable Pan/Tilt movement reverse (5 s activation delay)
			110 ó 114	No function
			115 ó 119	No function
			120 ó 124	Economy fan (5 s activation delay)
			125 ó 129	Full fan (5 s activation delay)
			130 ó 134	Auto fan (5 s activation delay)
			135 ó 139	Fast dimmer curve (5 s activation delay)
			140 ó 144	Smooth dimmer curve (5 s activation delay)
			145 ó 255	No function

DMX Values (Cont.)

19CH	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 019 020 ó 024 025 ó 064 065 ó 069 070 ó 084 085 ó 089 090 ó 104 105 ó 109 110 ó 124 125 ó 129 130 ó 144 145 ó 149 150 ó 164 165 ó 169 170 ó 184 185 ó 189 190 ó 204 205 ó 209 210 ó 224 225 ó 229 230 ó 244 245 ó 255	Closed Open Fast to slow Open Fast on/ramp off Open Ramp off/fast on Open Random Open Random fast on/ramp off Open Random slow on/fast off Open Pulse Open Random pulse Open Fade on/off Open Pulse Open
	9	Red	000 ó 255	0–100%
	10	Fine Red	000 ó 255	Fine control (16-bit)
	11	Green	000 ó 255	0–100%
	12	Fine Green	000 ó 255	Fine control (16-bit)
	13	Blue	000 ó 255	0–100%
	14	Fine Blue	000 ó 255	Fine control (16-bit)
	15	White	000 ó 255	0–100%
	16	Fine White	000 ó 255	Fine control (16-bit)

DMX Values (Cont.)

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

DMX Values (Cont.)

19CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ó 009	No function
			010 ó 014	Blackout during pan/tilt (5 s activation delay)
			015 ó 019	No function
			020 ó 024	No function
			025 ó 029	No function
			030 ó 034	No function
			035 ó 039	No function
			040 ó 044	No function
			045 ó 049	No function
			050 ó 054	Pan reset (5 s activation delay)
			055 ó 059	Tilt reset (5 s activation delay)
			060 ó 064	Zoom reset (5 s activation delay)
			065 ó 069	No function
			070 ó 074	All reset (5 s activation delay)
			075 ó 079	No function
			080 ó 084	Pan/Tilt movement
				reverse (5 s activation delay)
			085 ó 089	Pan movement reverse (5 s activation delay)
			090 ó 094	Tilt movement reverse (5 s activation delay)
			095 ó 099	Disable Pan movement
				reverse (5 s activation delay)
			100 ó 104	Disable Tilt movement
				reverse (5 s activation delay)
			105 ó 109	Disable Pan/Tilt movement
				reverse (5 s activation delay)
			110 ó 114	No function
			115 ó 119	No function
			120 ó 124	Economy fan (5 s activation delay)
			125 ó 129	Full fan (5 s activation delay)
			130 ó 134	Auto fan (5 s activation delay)
			135 ó 139	Fast dimmer curve (5 s activation delay)
			140 ó 144	Smooth dimmer curve (5 s activation delay)
			145 ó 255	No function

19 **Control**

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

DMX Values (Cont.)

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

15 Control

DMX Values (Cont.)

14CH	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.)

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

DMX Values (Cont.)

14CH (Cont.)	Channel	Function	Value	Percent/Setting
			000 ó 009	No function
			010 ó 014	Blackout during pan/tilt (5 s activation delay)
			015 ó 019	No function
			020 ó 024	No function
			025 ó 029	No function
			030 ó 034	No function
			035 ó 039	No function
			040 ó 044	No function
			045 ó 049	No function
			050 ó 054	Pan reset (5 s activation delay)
			055 ó 059	Tilt reset (5 s activation delay)
			060 ó 064	Zoom reset (5 s activation delay)
			065 ó 069	No function
			070 ó 074	All reset (5 s activation delay)
			075 ó 079	No function
			080 ó 084	Pan/Tilt movement
				reverse (5 s activation delay)
			085 ó 089	Pan movement reverse (5 s activation delay)
			090 ó 094	Tilt movement reverse (5 s activation delay)
			095 ó 099	Disable Pan movement
				reverse (5 s activation delay)
			100 ó 104	Disable Tilt movement
				reverse (5 s activation delay)
			105 ó 109	Disable Pan/Tilt movement
				reverse (5 s activation delay)
			110 ó 114	No function
			115 ó 119	No function
			120 ó 124	Economy fan (5 s activation delay)
			125 ó 129	Full fan (5 s activation delay)
			130 ó 134	Auto fan (5 s activation delay)
			135 ó 139	Fast dimmer curve (5 s activation delay)
			140 ó 144	Smooth dimmer curve (5 s activation delay)
			145 ó 255	No function
	14	Control		