VL1100 LED
Channel Mapping - Enhanced Shutters (Default)

DMX Channel	Parameter	Range DMX	Defaults	Description
1 2	**Intensity** High Byte Low Byte	0 - 65535	0	16-bit control of Fixture Intensity from 0 - 100%
3 4	**Pan** High Byte Low Byte	0 - 65535	32767	16-bit linear control of pan from 0°-540°.
5 6	**Tilt** High Byte Low Byte	0 - 65535	32767	16-bit linear control of tilt from 0°-270°.
7	**Edge**	0 - 255	127	8-bit linear control of edge functions.
8	**Zoom**	0 - 255	127	8-bit linear control of fixture zoom range between 0 (19°) to 255 (70°).
9	**Frost**	0 - 255	0	8-bit linear control of frost mechanism from 0 (No Frost) to 255 (Full Frost).
10	**Cyan**	0 - 255	0	8-bit control of Cyan color mechanism.
11	**Yellow**	0 - 255	0	8-bit control of Yellow color mechanism.
12	**Magenta**	0 - 255	0	8-bit control of Magenta color mechanism.
13	**Gobo Wheel**	0 - 255	0	8-bit control of Gobo Wheel.
		0	→	Open - No Gobo
		18	→	Gobo 1 (Index)
		41	→	Gobo 2 (Index)
		63	→	Gobo 3 (Index)
		86	→	Gobo 4 (Index)
		108	→	Gobo 5 (Index)
		128	→	Open - No Gobo
		146	→	Gobo 1 (Rotate)
		169	→	Gobo 2 (Rotate)
		191	→	Gobo 3 (Rotate)
		214	→	Gobo 4 (Rotate)
		236	→	Gobo 5 (Rotate)
14 15	**Gobo Rot/Index** High Byte Low Byte	0 - 65535	32767	16-bit control of index and rotation of gobo wheel 1.
		0 - 32756	→	Rotate Fast to Slow <<<
		32757 - 32780	→	Rotation STOP
		32781 - 65535	→	Rotate Slow to Fast >>>
16	**Frame 1A**	0 - 255	0	Control of Framing Shutter 1A from Open (DMX 0) to Full (DMX 255).
17	**Frame 1B**	0 - 255	0	Control of Framing Shutter 1B from Open (DMX 0) to Full (DMX 255).

DMX Channel	Parameter	Range DMX	Defaults	Description
18	**Frame 2A**	0 - 255	0	Control of Framing Shutter 2A from Open (DMX 0) to Full (DMX 255).
19	**Frame 2B**	0 - 255	0	Control of Framing Shutter 2B from Open (DMX 0) to Full (DMX 255).
20	**Frame 3A**	0 - 255	0	Control of Framing Shutter 3A from Open (DMX 0) to Full (DMX 255).
21	**Frame 3B**	0 - 255	0	Control of Framing Shutter 3B from Open (DMX 0) to Full (DMX 255).
22	**Frame 4A**	0 - 255	0	Control of Framing Shutter 4A from Open (DMX 0) to Full (DMX 255).
23	**Frame 4B**	0 - 255	0	Control of Framing Shutter 4B from Open (DMX 0) to Full (DMX 255).
24	**Frame Rotate**	0 - 255	127	Controls Framing Shutter mechanism from +/- 90°
25	**Fan Control**	0 - 255	0	Dynamically control fan speed vs LED Output operation. Control values as follows . . .
		0 - 5	→	Automatic fan/output adjustment (Default)
		6 - 255	→	Linear control of fan speed and LED max output. DMX 6 = Lowest Constant Fan Speed DMX 255 = Highest Constant Fan Speed
26	**Focus Timing**	0 - 255	255	Adjustment of fixture timing to control Pan/Tilt mechanisms. - See Timing Channel Chart in User Manual
27	**Color Timing**	0 - 255	255	Adjustment of fixture timing to control color mechanisms. - See Timing Channel Chart in User Manual
28	**Beam Timing**	0 - 255	255	Adjustment of fixture timing to control beam shaping mechanisms. - See Timing Channel Chart in User Manual
29	**Luminaire Control**	0 - 255	0	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set descreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
		0 - 5	→	Idle (Default)
		20 - 25	→	LED Instant Dim*
		30 - 35	→	LED Incandecent Dim*
		40 - 45	→	LED Match Output*
		50 - 55	→	LED Boost Output*
		81 - 87	→	Luminaire Reset
		100 - 104	→	ReCal Color
		113 - 117	→	ReCal Gobo/Index
		126 - 130	→	ReCal Zoom/Edge
		138 - 142	→	ReCal Shutters/Iris
				*Denotes 3 sec rule not used.

DMX Channel	Parameter	Range DMX	Defaults	Description
1	**Intensity**	0 - 255	0	8-bit control of Fixture Intensity from 0 - 100%
2 3	**Pan** High Byte Low Byte	0 - 65535	32767	16-bit linear control of pan from 0°-540°.
4 5	**Tilt** High Byte Low Byte	0 - 65535	32767	16-bit linear control of tilt from 0°-270°.
6	**Edge**	0 - 255	127	8-bit linear control of edge functions.
7	**Zoom**	0 - 255	127	8-bit linear control of fixture zoom range between 0 (19°) to 255 (70°).
8	**Frost**	0 - 255	0	8-bit linear control of frost mechanism from 0 (No Frost) to 255 (Full Frost).
9	**Cyan**	0 - 255	0	8-bit control of Cyan color mechanism.
10	**Yellow**	0 - 255	0	8-bit control of Yellow color mechanism.
11	**Magenta**	0 - 255	0	8-bit control of Magenta color mechanism.
12	**Gobo Wheel**	0 - 255 0 18 41 63 86 108 128 146 169 191 214 236	0 → → → → → → → → → → → →	8-bit control of Gobo Wheel. Open - No Gobo Gobo 1 (Index) Gobo 2 (Index) Gobo 3 (Index) Gobo 4 (Index) Gobo 5 (Index) Open - No Gobo Gobo 1 (Rotate) Gobo 2 (Rotate) Gobo 3 (Rotate) Gobo 4 (Rotate) Gobo 5 (Rotate)
13 14	**Gobo Rot/Index** High Byte Low Byte	0 - 65535 0 - 32756 32757 - 32780 32781 - 65535	32767 → → →	16-bit control of index and rotation of gobo wheel 1. Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
15	**Frame 1A**	0 - 255	0	Control of Framing Shutter 1A from Open (DMX 0) to Full (DMX 255).
16	**Frame 1B**	0 - 255	0	Control of Framing Shutter 1B from Open (DMX 0) to Full (DMX 255).

DMX Channel	Parameter	Range DMX	Defaults	Description
17	Frame 2A	0 - 255	0	Control of Framing Shutter 2A from Open (DMX 0) to Full (DMX 255).
18	Frame 2B	0 - 255	0	Control of Framing Shutter 2B from Open (DMX 0) to Full (DMX 255).
19	Frame 3A	0 - 255	0	Control of Framing Shutter 3A from Open (DMX 0) to Full (DMX 255).
20	Frame 3B	0 - 255	0	Control of Framing Shutter 3B from Open (DMX 0) to Full (DMX 255).
21	Frame 4A	0 - 255	0	Control of Framing Shutter 4A from Open (DMX 0) to Full (DMX 255).
22	Frame 4B	0 - 255	0	Control of Framing Shutter 4B from Open (DMX 0) to Full (DMX 255).
23	Frame Rotate	0 - 255	127	Controls Framing Shutter mechanism from +/- 90°
24	Focus Timing	0 - 255	255	Adjustment of fixture timing to control Pan/Tilt mechanisms. - See Timing Channel Chart in User Manual
25	Color Timing	0 - 255	255	Adjustment of fixture timing to control color mechanisms. - See Timing Channel Chart in User Manual
26	Beam Timing	0 - 255	255	Adjustment of fixture timing to control beam shaping mechanisms. - See Timing Channel Chart in User Manual
27	Luminaire Control	0 - 255	0	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set descreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
		0 - 5	→	Idle (Default)
		20 - 25	→	LED Instant Dim*
		30 - 35	→	LED Incandecent Dim*
		40 - 45	→	LED Match Output*
		50 - 55	→	LED Boost Output*
		81 - 87	→	Luminaire Reset
		100 - 104	→	ReCal Color
		113 - 117	→	ReCal Gobo/Index
		126 - 130	→	ReCal Zoom/Edge
		138 - 142	→	ReCal Shutters/Iris
				*Denotes 3 sec rule not used.

DMX Channel	Parameter	Range DMX	Defaults	Description
1 2	**Intensity** High Byte Low Byte	0 - 65535	0	16-bit control of Fixture Intensity from 0 - 100%
3 4	**Pan** High Byte Low Byte	0 - 65535	32767	16-bit linear control of pan from 0°-540°.
5 6	**Tilt** High Byte Low Byte	0 - 65535	32767	16-bit linear control of tilt from 0°-270°.
7	**Edge**	0 - 255	127	8-bit linear control of edge functions.
8	**Zoom**	0 - 255	127	8-bit linear control of fixture zoom range between 0 (19°) to 255 (70°).
9	**Frost**	0 - 255	0	8-bit linear control of frost mechanism from 0 (No Frost) to 255 (Full Frost).
10	**Cyan**	0 - 255	0	8-bit control of Cyan color mechanism.
11	**Yellow**	0 - 255	0	8-bit control of Yellow color mechanism.
12	**Magenta**	0 - 255	0	8-bit control of Magenta color mechanism.
13	**Gobo Wheel**	0 - 255 0 18 41 63 86 108 128 146 169 191 214 236	0 → → → → → → → → → → → →	8-bit control of Gobo Wheel. Open - No Gobo Gobo 1 (Index) Gobo 2 (Index) Gobo 3 (Index) Gobo 4 (Index) Gobo 5 (Index) Open - No Gobo Gobo 1 (Rotate) Gobo 2 (Rotate) Gobo 3 (Rotate) Gobo 4 (Rotate) Gobo 5 (Rotate)
14 15	**Gobo Rot/Index** High Byte Low Byte	0 - 65535 0 - 32756 32757 - 32780 32781 - 65535	32767 → → →	16-bit control of index and rotation of gobo wheel 1. Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
16	**Iris**	0 - 255	255	Controls Iris mechanism from 0 (Narrow) - 255 (Open)
17	**Fan Control**	0 - 255 0 - 5 6 - 255	0 → →	Dynamically control fan speed vs LED Output operation. Control values as follows . . . Automatic fan/output adjustment (Default) Linear control of fan speed and LED max output. DMX 6 = Lowest Constant Fan Speed DMX 255 = Highest Constant Fan Speed

DMX Channel	Parameter	Range DMX	Defaults	Description
18	**Focus Timing**	0 - 255	255	Adjustment of fixture timing to control Pan/Tilt mechanisms. - See Timing Channel Chart in User Manual
19	**Color Timing**	0 - 255	255	Adjustment of fixture timing to control color mechanisms. - See Timing Channel Chart in User Manual
20	**Beam Timing**	0 - 255	255	Adjustment of fixture timing to control beam shaping mechanisms. - See Timing Channel Chart in User Manual
21	**Luminaire Control**	0 - 255	0	Control Channel used for full fixture settings, LED controls, and miscellaneous modes. Set descreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
		0 - 5	→	Idle (Default)
		20 - 25	→	LED Instant Dim*
		30 - 35	→	LED Incandecent Dim*
		40 - 45	→	LED Match Output*
		50 - 55	→	LED Boost Output*
		81 - 87	→	Luminaire Reset
		100 - 104	→	ReCal Color
		113 - 117	→	ReCal Gobo/Index
		126 - 130	→	ReCal Zoom/Edge
		138 - 142	→	ReCal Shutters/Iris
				* Denotes 3 sec rule not used.

VL1100 LED
Channel Mapping - Classic w/ Iris

DMX Channel	Parameter	Range DMX	Defaults	Description
1	**Intensity**	0 - 255	0	8-bit control of Fixture Intensity from 0 - 100%
2 3	**Pan** High Byte Low Byte	0 - 65535	32767	16-bit linear control of pan from 0°-540°.
4 5	**Tilt** High Byte Low Byte	0 - 65535	32767	16-bit linear control of tilt from 0°-270°.
6	**Edge**	0 - 255	127	8-bit linear control of edge functions.
7	**Zoom**	0 - 255	127	8-bit linear control of fixture zoom range between 0 (19°) to 255 (70°).
8	**Frost**	0 - 255	0	8-bit linear control of frost mechanism from 0 (No Frost) to 255 (Full Frost).
9	**Cyan**	0 - 255	0	8-bit control of Cyan color mechanism.
10	**Yellow**	0 - 255	0	8-bit control of Yellow color mechanism.
11	**Magenta**	0 - 255	0	8-bit control of Magenta color mechanism.
12	**Gobo Wheel**	0 - 255 0 18 41 63 86 108 128 146 169 191 214 236	0 → → → → → → → → → → → →	8-bit control of Gobo Wheel. Open - No Gobo Gobo 1 (Index) Gobo 2 (Index) Gobo 3 (Index) Gobo 4 (Index) Gobo 5 (Index) Open - No Gobo Gobo 1 (Rotate) Gobo 2 (Rotate) Gobo 3 (Rotate) Gobo 4 (Rotate) Gobo 5 (Rotate)
13 14	**Gobo Rot/Index** High Byte Low Byte	0 - 65535 0 - 32756 32757 - 32780 32781 - 65535	32767 → → →	16-bit control of index and rotation of gobo wheel 1. Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
15	**Iris**	0 - 255	255	Controls Iris mechanism from 0 (Narrow) - 255 (Open)

DMX Channel	Parameter	Range DMX	Defaults	Description
16	**Focus Timing**	0 - 255	255	Adjustment of fixture timing to control Pan/Tilt mechanisms. - See Timing Channel Chart in User Manual
17	**Color Timing**	0 - 255	255	Adjustment of fixture timing to control color mechanisms. - See Timing Channel Chart in User Manual
18	**Beam Timing**	0 - 255	255	Adjustment of fixture timing to control beam shaping mechanisms. - See Timing Channel Chart in User Manual
19	**Luminaire Control**	0 - 255	0	Control Channel used for full fixture settings, LED controls, and miscellaneous modes. Set descreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
		0 - 5	→	Idle (Default)
		20 - 25	→	LED Instant Dim*
		30 - 35	→	LED Incandecent Dim*
		40 - 45	→	LED Match Output*
		50 - 55	→	LED Boost Output*
		81 - 87	→	Luminaire Reset
		100 - 104	→	ReCal Color
		113 - 117	→	ReCal Gobo/Index
		126 - 130	→	ReCal Zoom/Edge
		138 - 142	→	ReCal Shutters/Iris
				* Denotes 3 sec rule not used.

DMX Value	% Values	Time
0		Full Speed
1		0.2
2		0.4
3	1	0.6
4		0.8
5	2	1
6		1.2
7		1.4
8	3	1.6
9		1.8
10	4	2
11		2.2
12		2.4
13	5	2.6
14		2.8
15	6	3
16		3.2
17		3.4
18	7	3.6
19		3.8
20	8	4
21		4.2
22		4.4
23	9	4.6
24		4.8
25	10	5
26		5.2
27		5.4
28	11	5.6
29		5.8
30		6
31	12	6.2
32		6.4
33	13	6.6
34		6.8
35		7
36	14	7.2
37		7.4
38	15	7.6
39		7.8
40		8
41	16	8.2
42		8.4
43	17	8.6
44		8.8
45		9
46	18	9.2

VL1100 LED
Timing Channels

DMX Value	% Values	Time
47		9.4
48	19	9.6
49		9.8
50		10
51	20	10.2
52		10.4
53		10.6
54	21	11
55		11
56	22	12
57		12
58		13
59	23	13
60		14
61	24	14
62		14
63		15
64	25	15
65		16
66	26	16
67		16
68		17
69	27	17
70		18
71	28	18
72		18
73		19
74	29	19
75		20
76	30	20
77		20
78		21
79	31	21
80		21
81		22
82	32	22
83		23
84	33	23
85		23
86		24
87	34	24
88		25
89	35	25
90		25
91		26
92	36	26
93		27

VL1100 LED
Timing Channels

DMX Value	% Values	Time
94	37	27
95		27
96		28
97	38	28
98		29
99	39	29
100		29
101		30
102	40	30
103		30
104		31
105	41	31
106		32
107	42	32
108		32
109		33
110	43	33
111		34
112	44	34
113		34
114		35
115	45	35
116		36
117	46	36
118		36
119		37
120	47	37
121		38
122	48	38
123		38
124		39
125	49	39
126		39
127		40
128	50	40
129		41
130	51	41
131		41
132		42
133	52	42
134		43
135	53	43
136		43
137		44
138	54	44
139		45
140	55	45

VL1100 LED
Timing Channels

DMX Value	% Values	Time
141		45
142		46
143	56	46
144		47
145	57	47
146		47
147		48
148	58	48
149		49
150	59	49
151		49
152		50
153	60	50
154		50
155		51
156	61	51
157		52
158	62	52
159		52
160		53
161	63	53
162		54
163	64	54
164		54
165		55
166	65	55
167		56
168	66	56
169		56
170		57
171	67	57
172		58
173	68	58
174		58
175		59
176	69	59
177		59
178		60
179	70	60
180		65
181	71	65
182		65
183		70
184	72	70
185		75
186	73	75
187		75

VL1100 LED
Timing Channels

DMX Value	% Values	Time
188		80
189	74	80
190		85
191	75	85
192		85
193		90
194	76	90
195		95
196	77	95
197		95
198		100
199	78	100
200		110
201	79	110
202		110
203		120
204	80	120
205		120
206	81	130
207		130
208		140
209	82	140
210		140
211		150
212	83	150
213		160
214	84	160
215		160
216		170
217	85	170
218		180
219	86	180
220		180
221		190
222	87	190
223		200
224	88	200
225		200
226		210
227	89	210
228		210
229		220
230	90	220
231		230
232	91	230
233		230
234		240

VL1100 LED
Timing Channels

DMX Value	% Values	Time
235	92	240
236		250
237	93	250
238		250
239		260
240	94	260
241		270
242	95	270
243		270
244		280
245	96	280
246		290
247	97	290
248		290
249		300
250	98	300
251		310
252	99	310
253		310
254		310
255	100	Follows Cue Data