

5.2 DMX chart

CHANNEL	name	function	Min DMX	Max DMX
STANDARD				
1	Pan	Lineary from 0% to 100%	0	255
2	Pan fine	Lineary from 0% to 100%	0	255
3	Tilt	Lineary from 0% to 100%	0	255
4	Tilt fine	Lineary from 0% to 100%	0	255
5	XY Speed	Fast to Slow	0	255
6	Shutter	Close	0	1
		Strobe from slow to fast	2	62
		Open	63	64
		Pulse in from slow to fast	65	125
		Open	126	127
		Pulse out from slow to fast	128	188
		Open	189	190
		Randon from slow to fast	191	251
	Open	252	255	
7	Dimmer	Lineary from close to open	0	255
8	Dimmer Fine	Lineary from close to open	0	255
9	Cyan	Lineary from 0% to 100%	0	255
10	Magenta	Lineary from 0% to 100%	0	255
11	Yellow	Lineary from 0% to 100%	0	255
12	CTO	Lineary from 0% to 100%	0	255
13	Color Wheel	Indexed		
		Open	0	8
		Open + COLOR 1	9	15
		COLOR 1	16	22
		COLOR 1 + COLOR 2	23	29
		COLOR 2	30	36
		COLOR 2 + COLOR 3	37	43
		COLOR 3	44	50
		COLOR 3 + COLOR 4	51	57
		COLOR 4	58	64
		COLOR 4 + COLOR 5	65	71
		COLOR 5	72	78
		COLOR 5 + COLOR 6	79	85
		COLOR 6	86	92
		COLOR 6 + COLOR 7	93	99
		COLOR 7	100	106
		COLOR 7 +COLOR 8	107	113
		COLOR 8	114	120
		COLOR 8 + Open	121	127
		Forward Spin		
From fast to slow	128	190		
Stop				
Stop	191	192		

		Reverse Spin		
		From slow to fast	193	255
14	Rot Gobo	Indexed		
		Open	0	7
		GOBO 1	8	15
		GOBO 2	16	23
		GOBO 3	24	31
		GOBO 4	32	39
		GOBO 5	40	47
		GOBO 6	48	55
		GOBO 7	56	63
		Forward Spin		
		From fast to slow	64	130
		Stop		
		Stop	131	132
		Reverse Spin		
		From slow to fast	133	199
		Shake		
		GOBO 1 from slow to fast	200	207
		GOBO 2 from slow to fast	208	215
		GOBO 3 from slow to fast	216	223
		GOBO 4 from slow to fast	224	231
		GOBO 5 from slow to fast	232	239
		GOBO 6 from slow to fast	240	247
GOBO 7 from slow to fast	248	255		
15	Gobo Rot	Indexed		
		Lineary from 0° to 360°	0	127
		Forward Spin		
		From fast to slow	128	190
		Stop		
		Stop	191	192
		Reverse Spin		
From slow to fast	193	255		
16	Gobo Rot Fine	Lineary from 0° to 360° (Indexed)	0	255
17	Fixed Gobo	Indexed		
		Open	0	5
		GOBO 1	6	11
		GOBO 2	12	17
		GOBO 3	18	23
		GOBO 4	24	29
		GOBO 5	30	35
		GOBO 6	36	41
		GOBO 7	42	47
		GOBO 8	48	53
		Forward Spin		

		From fast to slow	54	125
		Stop		
		Stop	126	127
		Reverse Spin		
		From slow to fast	128	199
		Shake		
		GOBO 1 from slow to fast	200	205
		GOBO 2 from slow to fast	206	211
		GOBO 3 from slow to fast	212	217
		GOBO 4 from slow to fast	218	223
		GOBO 5 from slow to fast	224	229
		GOBO 6 from slow to fast	230	235
		GOBO 7 from slow to fast	236	241
		GOBO 8 from slow to fast	242	255
18	4f Prism	Open	0	127
		Prism insert	128	255
19	4f Prism Rotation	Indexed		
		Lineary from 0° to 360°	0	127
		Forward Spin		
		From fast to slow	128	190
		Stop		
		Stop	191	192
		Reverse Spin		
		From slow to fast	193	255
20	Frost	Continuous		
		Lineary from 0% to 100%	0	255
21	Zoom	Lineary from in to out	0	255
22	Zoom Fine	Lineary from in to out	0	255
23	Focus	Lineary from in to out	0	255
24	Focus Fine	Lineary from in to out	0	255
25	Animation Insertion	Continuous		
		Lineary from 0% to 100%	0	255
26	Animation Rotation	Indexed		
		Lineary from 0° to 360°	0	127
		Forward Spin		
		From fast to slow	128	190
		Stop		
		Stop	191	192
		Reverse Spin		
		From slow to fast	193	255
27	Iris	Open/No Function	0	31
		Indexed	32	63
		Pulse opening With Forward Backout	64	127
		Pulse opening With Reverse Backout	128	191
		Pulse closing With Forward Backout	192	223
		Pulse closing With Reverse Backout	224	255

28	Blade1 Position	Blade1 Position 0->100%	0	255
29	Blade1 Rot	Blade1 Rot	0	255
30	Blade2 Position	Blade2 Position 0->100%	0	255
31	Blade2 Rot	Blade2 Rot	0	255
32	Blade3 Position	Blade3 Position 0->100%	0	255
33	Blade3 Rot	Blade3 Rot	0	255
34	Blade4 Position	Blade4 Position 0->100%	0	255
35	Blade4 Rot	Blade4 Rot	0	255
36	Blade Rot	Blade All Rotation	0	255
37	Frame macros	No Function	0	3
		Macro 1	4	10
		Macro 2	11	17
		Macro 3	18	24
		Macro 4	25	31
		Macro 5	32	38
		Macro 6	39	45
		Macro 7	46	52
		Macro 8	53	59
		Macro 9	60	66
		Macro 10	67	73
		Macro 11	74	80
		Macro 12	81	87
		Macro 13	88	94
		Macro 14	95	101
		Macro 15	102	108
		Macro 16	109	115
		Macro 17	116	122
		Macro 18	123	129
		Macro 19	130	136
		Macro 20	137	143
		Macro 21	144	150
		Macro 22	151	157
		Macro 23	158	164
		Macro 24	165	171
		Macro 25	172	178
		Macro 26	179	185
		Macro 27	186	192
		Macro 28	193	199
		Macro 29	200	206
		Macro 30	207	213
		Macro 31	214	220
		Macro 32	221	227

		Macro 33	228	234
		Macro 34	235	241
		Macro 35	242	248
		Macro 36	249	255
38	Frame macros speed	Lineary from 0 to 100%	0	255
39	Control	No Function/Safe	0	1
		PAN REVERSE ON	2	3
		PAN REVERSE OFF	4	5
		TILT REVERSE ON	6	7
		TILT REVERSE OFF	8	9
		PAN/TILT MODE FAST	10	11
		PAN/TILT MODE MEDIUM	12	13
		PAN/TILT MODE SLOW	14	15
		HOME MODE STANDARD	16	17
		HOME MODE CUSTOM	18	19
		MOVEMENT IN BLACKOUT ON	20	21
		MOVEMENT IN BLACKOUT OFF	22	23
		COLOR WHEEL BLACKOUT ON (index)	24	25
		COLOR WHEEL BLACKOUT OFF (index)	26	27
		ROTATING GOBO WHEEL BLACKOUT ON (index)	28	29
		ROTATING GOBO WHEEL BLACKOUT OFF (index)	30	31
		FIX GOBO WHEEL BLACKOUT ON (index)	32	33
		FIX GOBO WHEEL BLACKOUT OFF (index)	34	35
		DISPLAY ON	36	37
		DISPLAY 10S	38	39
		DISPLAY 20S	40	41
		DISPLAY 30S	42	43
		FLIP DISPLAY ON	44	45
		FLIP DISPLAY OFF	46	47
		FLIP DISPLAY AUTO	48	49
		KEY LOCK ON	50	51
		KEY LOCK OFF	52	53
		FAN MODE AUTO	54	55
		FAN MODE SILENT	56	57
		FAN MODE HIGH	58	59
NO SIGNAL HOLD	60	61		
NO SIGNAL BLACKOUT	62	63		
STATUS LED ON	64	65		
STATUS LED OFF	66	67		
DIMMER CURVE LINEAR	68	69		
DIMMER CURVE S-CURVE	70	71		
DIMMER CURVE SQUARE LAW	72	73		
DIMMER CURVE INVERSE SQUARE LAW	74	75		
DIMMER SPEED AUTO	76	77		

DIMMER SPEED FAST	78	79
DIMMER SPEED MEDIUM	80	81
DIMMER SPEED SLOW	82	83
LED FREQUENCY 600HZ	84	85
LED FREQUENCY 1200HZ	86	87
LED FREQUENCY 2000HZ	88	89
LED FREQUENCY 4000HZ	90	91
LED FREQUENCY 6000HZ	92	93
LED FREQUENCY 25KHZ	94	95
LED FREQUENCY 50KHZ	96	97
INVERT ZOOM OFF	98	99
INVERT ZOOM ON	100	101
RESET ALL	102	103
RESET PAN	104	105
RESET TILT	106	107
RESET PAN & TILT	108	109
RESET CYAN	110	111
RESET MAGENTA	112	113
RESET YELLOW	114	115
RESET CTO	116	117
RESET COLOR WHEEL	118	119
RESET GOBO WHEEL	120	121
RESET GOBO ROTATION	122	123
RESET FIX GOBO WHEEL	124	125
RESET ANIMATION	126	127
RESET ANIMATION ROTATION	128	129
RESET PRISM	130	131
RESET PRISM ROTATION	132	133
RESET FROST	134	135
RESET IRIS	136	137
RESET ZOOM	138	139
RESET FOCUS	140	141
RESET FRAME ROT	142	143
RESET BLADE 1 POSITON	144	145
RESET BLADE 1 ROT	146	147
RESET BLADE 2 POSITON	148	149
RESET BLADE 2 ROT	150	151
RESET BLADE 3 POSITON	152	153
RESET BLADE 3 ROT	154	155
RESET BLADE 4 POSITON	156	157
RESET BLADE 4 ROT	158	159
Reserved	160~253	
FACTORY DEFAULT OF CONTROL FUNCTIONS	254	255