

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	CTO	CTO
5	COLOR WHEEL 1	COLOR WHEEL 1
6	COLOR WHEEL 2	COLOR WHEEL 2
7	MACROCOLOR	MACROCOLOR
8	STOPPER / STROBE	STOPPER / STROBE
9	DIMMER	DIMMER
10	DIMMER FINE	DIMMER FINE
11	BLADE UP&DOWN	BLADE UP&DOWN
12	BLADE RIGHT 1	BLADE RIGHT 1
13	BLADE RIGHT 2	BLADE RIGHT 2
14	BLADE LEFT 1	BLADE LEFT 1
15	BLADE LEFT 2	BLADE LEFT 2
16	FRAME ROTATION	FRAME ROTATION
17	ZOOM	ZOOM
18	FOCUS ADJUSTMENT	FOCUS ADJUSTMENT
19	PAN	PAN
20	PAN FINE	PAN FINE
21	TILT	TILT
22	TILT FINE	TILT FINE
23	FUNCTION	FUNCTION
24	RESET	RESET
25	FUNCTION 2	PAN - TILT TIME
26	FREQUENCY	COLOUR TIME
27	-	BEAM TIME
28	-	DUMMY
29	-	FUNCTION 2
30	-	FREQUENCY

Channel Mode		DMX Value	Function
Standard	Vector		
1	1		CYAN
		000 - 255	Linear Cyan movement
2	2		MAGENTA
		000 - 255	Linear Magenta movement
3	3		YELLOW
		000 - 255	Linear Yellow movement
4	4		CTO
		000 - 255	Linear CTO movement
5	5		COLOR WHEEL 1
		000	Empty position
		011	Empty + Dark Red
		021	Dark Red
		032	Dark Red + Green
		042	Green
		053	Green + CRI
		063	CRI
		074	CRI + Gold Amber
		084	Gold Amber
		095	Gold Amber + Navy Blue
		106	Navy Blue
		118	Navy Blue + Empty position
		128 - 255	Continuous CCW Colour Wheel rotation at linearly variable speed from slow to fast
6	6		COLOR WHEEL 2
		000	Empty position
		011	Empty + Yellow Green
		021	Yellow Green
		032	Yellow Green + Yellow
		042	Yellow
		053	Yellow + Lavender
		063	Lavender
		074	Lavender + Pink
		084	Pink
		095	Pink + Aquamarine
		106	Aquamarine
		118	Aquamarine + Empty position
		128 - 255	Continuous CCW Colour Wheel rotation at linearly variable speed from slow to fast

Channel Mode		DMX Value	Function
Standard	Vector		
7	7		MACRO COLOR (To be defined)
		TBD	TBD
		TBD	TBD
		TBD	TBD
8	8		STROBE
		000 - 003	Light OFF
		004 - 103	Strobe at linearly variable frequency from slow (1 flash/sec) to fast (25 flashes/sec)
		104 - 107	Light ON
		108 - 207	Pulsation at linearly variable speed from slow to fast
		208 - 212	Light ON
		213 - 225	Random Strobe at low frequency
		226 - 238	Random Strobe at medium frequency
		239 - 251	Random Strobe at high frequency
252 - 255	Light ON		
9	9		DIMMER
		000 - 255	Light output linearly increase from no-light to maximum brightness
10	10		DIMMER FINE
		000 - 255	Fine Dimmer positioning
11	11		BLADE UP & DOWN
		000 - 255	Blades moves linearly into the light beam
12	12		BLADE RIGHT 1
		000 - 255	Blade moves linearly into the light beam
13	13		BLADE RIGHT 2
		000 - 255	Blade moves linearly into the light beam
14	14		BLADE LEFT 1
		000 - 255	Blade moves linearly into the light beam
15	15		BLADE LEFT 2
		000 - 255	Blade moves linearly into the light beam
16	16		FRAME ROTATION
		000 - 255	Frame CCW linearly rotate
17	17		ZOOM
		000 - 255	Zoom linearly moves from narrow to wide beam
18	18		FOCUS ADJUSTMENT
		000 - 255	Linear Focus adjustment
19	19		PAN
		000 - 255	Pan CCW movement/positioning from 0° to 540° (default setting)
20	20		PAN FINE
		000 - 255	Fine Pan positioning
21	21		TILT
		000 - 255	Tilt CW movement/positioning from 0° to 251° (default setting)
22	22		TILT FINE
		000 - 255	Fine Tilt positioning

Channel Mode		DMX Value	Function
Standard	Vector		
23	23		FUNCTION
		000 - 011	Unused range
		012 - 024	Fast Pan/Tilt speed
		025 - 037	Normal Pan/Tilt speed
		038 - 050	Conventional Dimmer curve
		051 - 062	Standard Dimmer curve
		063 - 139	Free
		140 - 152	Quadratic Dimmer curve
		153 - 164	400W LED Power
		165 - 177	500W LED Power
		178 - 215	Free
		216 - 228	Linear Dimmer Curve
		229 - 231	Option – Display On/Off reversal
		232 - 255	Free
	The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds		
24	24		RESET
		000 - 025	Unused range
		026 - 076	Effects Reset Effects Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds
		077 - 127	Pan / Tilt Reset Pan/Tilt Reset sequence passing through the unused levels range and staying in this range for 5 seconds.
		128 - 255	Complete Reset All-effects Reset sequence passing through the unused levels range and staying in this range for 5 seconds.

Channel Mode		DMX Value	Function			
Standard	Vector					
25	29		FUNCTION 2			
		000 - 011	Unused range			
		012	Base Frequency= 4700 Hz			
		013	Base Frequency= 6000 Hz			
		014	Base Frequency= 7300 Hz			
		015	Base Frequency= 8600 Hz			
		016	Base Frequency= 10000 Hz			
		017	Base Frequency= 12000 Hz			
		018	Base Frequency= 15000 Hz			
		019	Base Frequency= 17578 Hz			
		020	Base Frequency= 20000 Hz			
		021	Base Frequency= 22000 Hz			
			The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds			
26	30	000 - 255	FREQUENCY			
			Base Frequency (see Function 2)	Min Freq. @ 0 bit	Frequency @ 128 bit	Max Freq. @ 255 bit
			4700 Hz	4060 Hz	4700 Hz	5335 Hz
			6000 Hz	5360 Hz	6000 Hz	6635 Hz
			7300 Hz	6660 Hz	7300 Hz	7935 Hz
			8600 Hz	7960 Hz	8600 Hz	9235 Hz
			10000 Hz	9360 Hz	10000 Hz	10635 Hz
			12000 Hz	10720 Hz	12000 Hz	13270 Hz
			15000 Hz	13336 Hz	15000 Hz	16651 Hz
			17578 Hz	16682 Hz	17578 Hz	18467 Hz
			20000 Hz	18720 Hz	20000 Hz	21270 Hz
	22000 Hz	21360 Hz	22000 Hz	22635 Hz		
-	25		PAN-TILT TIME			
		000 - 255	Pan - Fine Pan - Tilt - Fine Tilt			
-	26		COLOUR TIME			
		000 - 255	Cyan - Magenta - Yellow - CTO - Colour wheels			
-	27		BEAM TIME			
		000 - 255	Focus			
-	28		DUMMY (To be defined)			
		TBD	TBD			

IMPORTANT

To prevent accidental breakage of the effects, which could collide with each others during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0 bit.).

To preserve the LED engine, it is suggested to set the Dimmer @ 0bit a few minutes before turning off the fixture.

To ensure reliable operation of the effects, it is suggested to keep the Light of the fixture On, for few minutes before moving the effects. Claypaky use a high-performance lubricant (Barrierta L55/0) that is designed to work within the high temperature environment in Claypaky's modern moving light fixtures. In cold environments, it may take several minutes for the lubricant to reach optimum fluidity and all functions to reach optimum performance.

VECTOR MODE TIME TABLE

BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds
0	Full	43	8.6	86		129		172		216	
1	0.2	44	8.8	87	24	130	41	173	58	217	170
2	0.4	45	9	88		131		174		218	
3	0.6	46	9.2	89	25	132	42	175		219	180
4	0.8	47	9.4	90		133		176	59	220	
5	1	48	9.6	91	26	134	43	177		221	190
6	1.2	49	9.8	92		135		178	60	222	
7	1.4	50	10	93	27	136	44	179		223	200
8	1.6	51	10.2	94		137		180	65	224	
9	1.8	52	10.4	95	28	138	45	181		225	200
10	2	53	10.6	96		139		182	70	226	
11	2.2	54	11	97	29	140	46	183		227	210
12	2.4	55		98		141		184	75	228	
13	2.6	56	12	99	30	142	47	185		229	220
14	2.8	57		100		143		186	80	230	
15	3	58	13	101	31	144	48	187		231	230
16	3.2	59		102		145		188	85	232	
17	3.4	60	14	103	32	146	49	189		233	240
18	3.6	61		104		147		190	90	234	
19	3.8	62	15	105	33	148	50	191		235	240
20	4	63		106		149		192	95	236	
21	4.2	64	16	107	34	150	51	193		237	250
22	4.4	65		108		151		194	100	238	
23	4.6	66	17	109	35	152	52	195		239	260
24	4.8	67		110		153		196	110	240	
25	5	68	18	111	36	154	53	197		241	270
26	5.2	69		112		155		198	120	242	
27	5.4	70	19	113	37	156	54	199		243	280
28	5.6	71		114		157		200	130	244	
29	5.8	72	20	115	38	158	55	201		245	280
30	6	73		116		159		202	140	246	
31	6.2	74	21	117	39	160	56	203		247	290
32	6.4	75		118		161		204	150	248	
33	6.6	76	22	119	40	162	57	205		249	300
34	6.8	77		120		163		206	160	250	
35	7	78	23	121		164		207		251	310
36	7.2	79		122		165		208		252	
37	7.4	80	24	123		166		209		253	
38	7.6	81		124		167		210		254	
39	7.8	82	25	125		168		211			
40	8	83		126		169		212		255	Follow cue Data
41	8.2	84		127		170		213			
42	8.4	85		128		171		214			
								215			