Axcor Profile 600 TEATRO
Axcor Profile 600 HC TEATRO

CLAYPAKY
AN OSRAM BUSINESS

CHANNEL	CHANNEL MODE	
	STANDARD	**VECTOR**
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	CTO	CTO
5	COLOR WHEEL	COLOR WHEEL
6	STOPPER / STROBE	STOPPER / STROBE
7	DIMMER	DIMMER
8	DIMMER FINE	DIMMER FINE
9	IRIS	IRIS
10	ANIMATION DISC or STATIC GOBO INSERTION	ANIMATION DISC or STATIC GOBO INSERTION
11	ANIMATION DISC ROTATION or STATIC GOBO CHANGE	ANIMATION DISC ROTATION or STATIC GOBO CHANGE
12	ROTATING GOBO CHANGE	ROTATING GOBO CHANGE
13	GOBO ROTATION	GOBO ROTATION
14	FINE GOBO ROTATION	FINE GOBO ROTATION
15	PRISM INSERTION	PRISM INSERTION
16	PRISM ROTATION	PRISM ROTATION
17	FROST 1	FROST 1
18	BLADE UP 1	BLADE UP 1
19	BLADE UP 2	BLADE UP 2
20	BLADE DOWN 1	BLADE DOWN 1

CHANNEL	CHANNEL MODE	
	STANDARD	*VECTOR*
21	BLADE DOWN 2	BLADE DOWN 2
22	BLADE RIGHT 1	BLADE RIGHT 1
23	BLADE RIGHT 2	BLADE RIGHT 2
24	BLADE LEFT 1	BLADE LEFT 1
25	BLADE LEFT 2	BLADE LEFT 2
26	FRAME ROTATION	FRAME ROTATION
27	FOCUS	FOCUS
28	FOCUS FINE	FOCUS FINE
29	ZOOM	ZOOM
30	AUTOFOCUS DISTANCE	AUTOFOCUS DISTANCE
31	AUTOFOCUS ADJUSTMENT	AUTOFOCUS ADJUSTMENT
32	PAN	PAN
33	PAN FINE	PAN FINE
34	TILT	TILT
35	TILT FINE	TILT FINE
36	FUNCTION	FUNCTION
37	RESET	RESET
38	DUMMY	DUMMY
39	FUNCTION 2	PAN/TILT TIME
40	FREQUENCY	COLOUR TIME
41	-	BEAM TIME
42	-	ROTATING GOBO TIME
43	-	FUNCTION 2
44	-	FREQUENCY

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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**	
		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		**STROBE**	
		000 – 003	Light OFF	
		004 – 103	Strobe at linearly variable frequency from low (1 flash/sec) to high (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	
7	7		**DIMMER**	
		000 – 255	Light output linearly increase from no-light to maximum brightness	
8	8		**DIMMER FINE**	
		000 – 255	Fine Dimmer positioning	

Channel Mode		DMX Value	Function
Standard	**Vector**		
9	**9**		**IRIS**
		000 – 131	Iris linearly open from minimum to maximum aperture
		132 – 171	Iris pulsation from slow to fast speed
		172 – 211	Iris pulsation from slow to fast speed with fast opening
		212 – 251	Iris pulsation from slow to fast speed with fast closing
		252 – 255	Maximum aperture
10	**10**		**ANIMATION DISC / STATIC GOBO INSERTION**
		000	Animation Disc / Static Gobo out
		001 – 255	Animation Disc / Static Gobo linear insertion
11 **Standard**	**11** **Standard**		**ANIMATION DISC ROTATION** *If selected: Option → Animation Disk*
		000 – 124	Continuous animation disc CW rotation at linearly variable speed from fast (180 rpm) to slow (4.4 rph)
		125 – 130	Slow CW rotation
		131 – 255	Continuous animation disc CCW rotation at linearly variable speed from slow (4.4 rph) to fast (180 rpm)
11 **Optional**	**11** **Optional**		**STATIC GOBO CHANGE** *If selected: Option → Fix Gobo Disk*
		000 – 125	Linear Gobo rotation
		126	Gobo 1
		129	Gobo 2
		132	Gobo 3
		135	Gobo 4
		138	Gobo 5
		141	Gobo 6
		144	Gobo 7
		146	Gobo 8
		147 – 188	Continuous rotation CCW at linearly variable speed from fast to slow
		189 – 191	Stop
		192 – 233	Continuous rotation CW at linearly variable speed from fast to slow
		234 – 255	Gobo shakes at variable speed from slow to fast

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Channel Mode		DMX Value	Function	
Standard	**Vector**			
12	**12**		**ROTATING GOBO CHANGE**	
		000 – 016	Empty position	
		017 – 032	Gobo 1 - GOD019/008 (Plumens)	
		033 – 048	Gobo 2 - GOD019/009 (Water Lines)	
		049 – 064	Gobo 3 - GOD019/010 (Multiple Cones)	
		065 – 081	Gobo 4 - GOD019/011 (Shattered)	
		082 – 097	Gobo 5 - GOD019/012 (Small Dots)	
		098 – 113	Gobo 6 - GOD019/014 (Broken Circle)	
		114 – 129	Gobo 7 - GOD019/013 (Half Circle)	
		130 – 147	Gobo 1 shakes at variable speed from slow to fast	
		148 – 165	Gobo 2 shakes at variable speed from slow to fast	
		166 – 183	Gobo 3 shakes at variable speed from slow to fast	
		184 – 201	Gobo 4 shakes at variable speed from slow to fast	
		202 – 219	Gobo 5 shakes at variable speed from slow to fast	
		220 – 237	Gobo 6 shakes at variable speed from slow to fast	
		238 – 255	Gobo 7 shakes at variable speed from slow to fast	
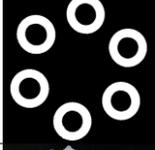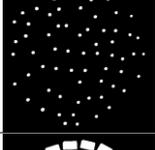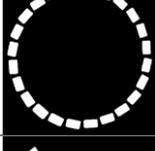
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Channel Mode		DMX Value	Function
Standard	**Vector**		
13	**13**		**GOBO ROTATION**
		000 – 021	Gobo indexing: 0° to 90° range
		021 – 042	Gobo indexing: 90° to 180° range
		042 – 063	Gobo indexing: 180° to 270° range
		063 – 084	Gobo indexing: 270° to 360° range
		084 – 105	Gobo indexing: 360° to 450° range
		105 – 127	Gobo indexing: 450° to 540° range
		128 – 190	Continuous CW gobo rotation at linearly variable speed from fast (180rpm) to slow (2.2rph)
		191 – 192	Stop rotation
		193 – 255	Continuous CCW gobo rotation at linearly variable speed from slow (2.2rph) to fast (180rpm)
14	**14**		**FINE GOBO ROTATION**
		000 – 255	Fine CCW Gobo Indexing
15	**15**		**PRISM INSERTION**
		000 – 127	Prism out
		128 – 255	4 facet Prism into the light beam
16	**16**		**PRISM ROTATION**
		000 – 021	Prism indexing: 0° to 90° range
		021 – 042	Prism indexing: 90° to 180° range
		042 – 063	Prism indexing: 180° to 270° range
		063 – 084	Prism indexing: 270° to 360° range
		084 – 105	Prism indexing: 360° to 450° range
		105 – 127	Prism indexing: 450° to 540° range
		128 – 190	Continuous CCW prism rotation at linearly variable speed from fast (80rpm) to slow (3rph)
		191 – 192	Stop rotation
		193 – 255	Continuous CW prism rotation at linearly variable speed from slow (3rph) to fast (80rpm)
17	**17**		**FROST**
		000 – 255	Frost moves linearly into the light beam. Frost blades move from no-diffusion to maximum diffusion
18	**18**		**BLADE UP 1**
		000 – 255	Blade moves linearly into the light beam
19	**19**		**BLADE UP 2**
		000 – 255	Blade moves linearly into the light beam
20	**20**		**BLADE DOWN 1**
		000 – 255	Blade moves linearly into the light beam
21	**21**		**BLADE DOWN 2**
		000 – 255	Blade moves linearly into the light beam

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Channel Mode		DMX Value	Function	
Standard	**Vector**			
22	**22**		**BLADE RIGHT 1**	
		000 – 255	Blade moves linearly into the light beam	
23	**23**		**BLADE RIGHT 2**	
		000 – 255	Blade moves linearly into the light beam	
24	**24**		**BLADE LEFT 1**	
		000 – 255	Blade moves linearly into the light beam	
25	**25**		**BLADE LEFT 2**	
		000 – 255	Blade moves linearly into the light beam	
26	**26**		**FRAME ROTATION**	
		000 – 255	Frame CCW linearly rotate	
27	**27**		**FOCUS**	
		000 – 255	Focus moves linearly from far to near position	
28	**28**		**FOCUS FINE**	
		000 – 255	Fine Focus positioning	
29	**29**		**ZOOM**	
		000 – 255	Zoom linearly moves from narrow to wide beam	
30	**30**		**AUTOFOCUS DISTANCE**	
		000 – 006	Autofocus disabled	
		007 – 255	Autofocus from 4mt. (bit 7) to 100mt. (bit 255)	
31	**31**		**AUTOFOCUS ADJUSTMENT**	
		000 – 127	Focus Fine	
		128	Stop	
		129 – 255	Focus Fine	
32	**32**		**PAN**	
		000 – 255	Pan CCW movement/positioning from 0° to 540° (default setting)	
33	**33**		**PAN FINE**	
		000 – 255	Fine Pan positioning	
34	**34**		**TILT**	
		000 – 255	Tilt CCW movement/positioning from 0° to 268° (default setting)	
35	**35**		**TILT FINE**	
		000 – 255	Fine Tilt positioning	

Channel Mode		DMX Value	Function	
Standard	**Vector**			
36	**36**		**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 – 075	CMY shortcut ON	
		076 – 088	CMY shortcut OFF	
		089 – 101	Slow blades speed	
		102 – 113	Fast blades speed	
		114 – 126	Fast rotating Gobos change	
		127 – 139	Normal rotating Gobos change	
		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 – 233	300W Led Power	
		234 – 255	Free	
			The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds	
37	**37**		**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.	
38	**38**		**DUMMY**	
		000 – 255	-	

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Channel Mode		DMX Value	Function		
Standard	Vector				
39	**43**		**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		
40	**44**	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
-	**39**		**PAN-TILT TIME**		
		000 – 255	Pan - Fine Pan - Tilt - Fine Tilt		
-	**40**		**COLOUR TIME**		
		000 – 255	Cyan - Magenta – Yellow – CTO – Color wheel		
-	**41**		**BEAM TIME**		
		000 – 255	Dimmer - Frost - Prism – Focus – Zoom		
-	**42**		**ROTATING GOBO TIME**		
		000 – 255	Rotating Gobo		

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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.

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VECTOR MODE TIME TABLE

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