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Highlighted in yellow part to be confirmed
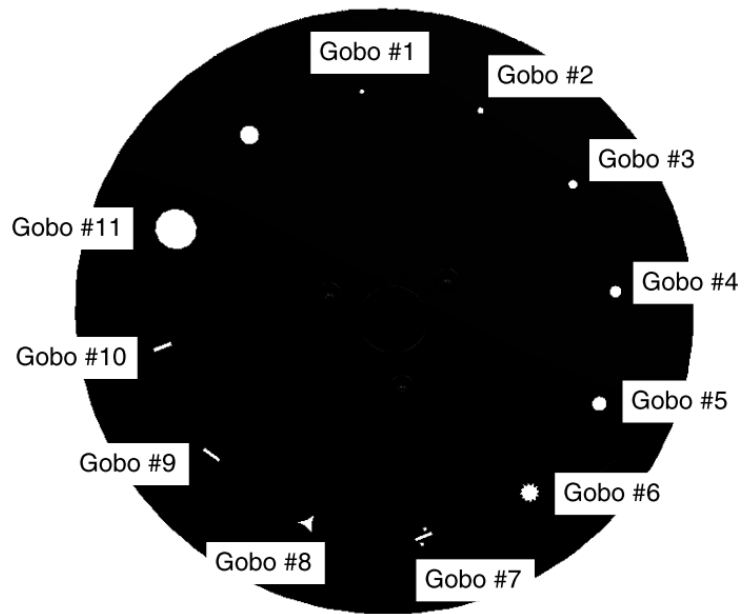
N°	CHANNEL
1	RED
2	RED FINE
3	GREEN
4	GREEN FINE
5	BLUE
6	BLUE FINE
7	CTO
8	SHOW-SETUP
9	DIMMER
10	DIMMER FINE
11	STOPPER / STROBE
12	STATIC GOBO CHANGE
13	ROTATING GOBO CHANGE
14	GOBO ROTATION
15	FINE GOBO ROTATION
16	PRISMS WHEEL CHANGE
17	PRISMS WHEEL ROTATION
18	PRISM INSERTION
19	PRISM ROTATION
20	SMART FADING
21	FOCUS
22	FOCUS FINE
23	PAN
24	PAN FINE
25	TILT
26	TILT FINE
27	FUNCTION
28	RESET
29	FUNCTION 2
30	FREQUENCY

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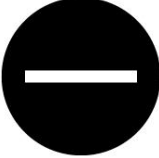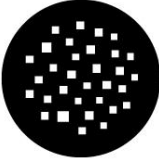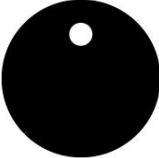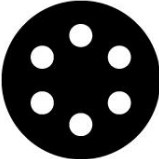
Channel	DMX Value	Function
1		**RED**
	000 – 255	Red colour linearly increases from no-light to maximum intensity
2		**RED FINE**
	000 – 255	Fine Red light adjustment
3		**GREEN**
	000 – 255	Green colour linearly increases from no-light to maximum intensity
4		**GREEN FINE**
	000 – 255	Fine Green light adjustment
5		**BLUE**
	000 – 255	Blue colour linearly increases from no-light to maximum intensity
6		**BLUE FINE**
	000 – 255	Fine Blue light adjustment
7		**CTO**
	000	Raw mode
	001 – 255	Linear CTO from 8000K to 2500K
8		**SHOW-SETUP**
	000 – 011	Unused range
	012 – 016	Limited Output On
	017 – 021	Limited Output Off
	022 – 027	Max output - HD=82ft (Smart Mode only)
	028 – 032	Max output - HD=70ft (Smart Mode only)
	033 – 037	Max output - HD=60ft (Smart Mode only)
	038 – 042	Max output - HD=50ft (Smart Mode only)
	043 – 047	Check Start
	048 – 052	Check Stop
	053 – 057	BAZ - Symmetric
	058 – 062	BAZ - Asymmetric
	063 – 067	BAZ - Asymmetric Custom - Tilt
	068 – 072	BAZ - Asymmetric Custom - Pan 1
	073 – 078	BAZ - Asymmetric Custom - Pan 2
	079 – 099	Reserved for future improvements
	100 – 104	BAZ - Invert
	105 – 108	BAZ - Reset
	109 – 113	Max output - Symmetric (Smart Mode only)
	114 – 118	Max output - Asymmetric (Smart Mode only)
	119 – 123	Max output - Asymmetric Custom - Tilt (Smart Mode only)
	124 – 129	Max output - Asymmetric Custom - Pan 1 (Smart Mode only)
	130 – 134	Max output - Asymmetric Custom - Pan 2 (Smart Mode only)
	135 – 154	Reserved for future improvements
	155 – 159	Max output - Invert (Smart Mode only)
	160 – 164	Max output - Reset (Smart Mode only)
	165 – 169	Complete channel Reset
	170 – 255	Free
		All functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds

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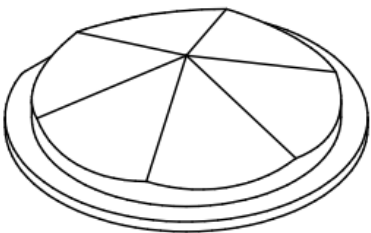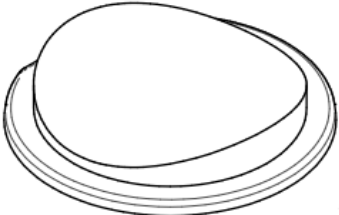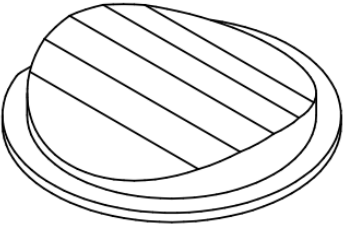
Channel	DMX Value	Function
9		**DIMMER**
	000 – 255	Light output linearly increase from no-light to maximum brightness
10		**DIMMER FINE**
	000 – 255	Fine Dimmer adjustment
11		**STOPPER / STROBE**
	000 – 003	Light OFF
	004 – 103	Strobe at linearly variable frequency from low (1 flash/sec) to high (25 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

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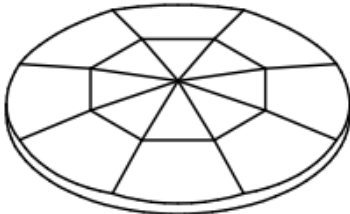| Channel	DMX Value	Function	
		STATIC GOBO CHANGE	
	000 – 005	Empty position	
12	006 – 011	Gobo 1	
	012 – 017	Gobo 2	
	018 – 023	Gobo 3	
	024 – 029	Gobo 4	
	030 – 035	Gobo 5	
	036 – 041	Gobo 6	
	042 – 047	Gobo 7	
	048 – 053	Gobo 8	
	054 – 059	Gobo 9	
	060 – 065	Gobo 10	
	066 – 071	Gobo 11	
	072 – 113	Continuous rotation CCW at linearly variable speed from fast to slow	
	114 – 117	Stop	
	118 – 159	Continuous rotation CW at linearly variable speed from fast to slow	
	160 – 168	Gobo 1 shakes at variable speed from slow to fast	
	169 – 177	Gobo 2 shakes at variable speed from slow to fast	
	178 – 186	Gobo 3 shakes at variable speed from slow to fast	
	187 – 194	Gobo 4 shakes at variable speed from slow to fast	
	195 – 203	Gobo 5 shakes at variable speed from slow to fast	
	204 – 212	Gobo 6 shakes at variable speed from slow to fast	
	213 – 221	Gobo 7 shakes at variable speed from slow to fast	
	222 – 229	Gobo 8 shakes at variable speed from slow to fast	
	230 – 238	Gobo 9 shakes at variable speed from slow to fast	
	239 – 247	Gobo 10 shakes at variable speed from slow to fast	
	248 – 255	Gobo 11 shakes at variable speed from slow to fast	

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Channel	DMX Value	Function
13		**ROTATING GOBO CHANGE**
	000 – 016	Empty position
	017 – 032	Gobo #1
	033 – 048	Gobo #2
	049 – 064	Gobo #3
	065 – 081	Gobo #4
	082 – 097	Gobo #5
	098 – 113	Gobo #6
	114 – 129	Gobo #7
	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	DMX Value	Function
14		**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 (1000 rpm) to slow (2.2 rph)
	191 – 192	Stop rotation
	193 – 255	Continuous CCW gobo rotation at linearly variable speed from slow (2.2 rph) to fast (1000 rpm)
15		**FINE GOBO ROTATION**
	000 – 255	Fine CW Gobo Indexing
16		**PRISMS WHEEL CHANGE**
	000 – 025	Prisms / Frost out of the light beam
	026 – 051	Prism 1 (6 Facets)
	052 – 077	Prism 2 (Elliptical)
	078 – 103	Prism 3 (6 Facets pyramidal)
	104 – 129	Frost
	130 – 161	Prism 1 shakes at variable speed from slow to fast
	162 – 192	Prism 2 shakes at variable speed from slow to fast
	193 – 224	Prism 3 shakes at variable speed from slow to fast
	225 – 255	Frost shakes at variable speed from slow to fast

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Channel	DMX Value	Function
17		**PRISMS WHEEL ROTATION**
	000 – 021	Prisms/Frost indexing: 0° to 90° range
	021 – 042	Prisms/Frost indexing: 90° to 180° range
	042 – 063	Prisms/Frost indexing: 180° to 270° range
	063 – 084	Prisms/Frost indexing: 270° to 360° range
	084 – 105	Prisms/Frost indexing: 360° to 450° range
	105 – 127	Prisms/Frost indexing: 450° to 540° range
	128 – 190	Continuous CCW Prisms/Frost rotation at linearly variable speed from fast (170 rpm) to slow (2.2 rph)
	191 – 192	Stop rotation
	193 – 255	Continuous CW Prisms/Frost rotation at linearly variable speed from slow (2.2 rph) to fast (170 rpm)
18		**PRISM INSERTION**
	000 – 127	Prism out
	128 – 255	Multi-facets prism into the light beam
19		**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 CW prism rotation at linearly variable speed from fast (170rpm) to slow (4rph)
	191 – 192	Stop rotation
	193 – 255	Continuous CCW prism rotation at linearly variable speed from slow (4rph) to fast (170rpm)
20		**SMART FADING**
	000 – 255	Linear fading (Smart Mode only)
21		**FOCUS**
	000 – 255	Focus moves linearly from far to near position
22		**FOCUS FINE**
	000 – 255	Fine Focus positioning
23		**PAN**
	000 – 255	Pan CCW movement/positioning from 0° to 540° (default setting)
24		**PAN FINE**
	000 – 255	Fine Pan positioning
25		**TILT**
	000 – 255	Tilt CCW movement/positioning from 0° to 268° (default setting)

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Channel	DMX Value	Function
26		**TILT FINE**
	000 – 255	Fine Tilt positioning
27		**FUNCTION**
	000 – 011	Unused range
	012 – 024	Fast Pan/Tilt speed
	025 – 037	Normal Pan/Tilt speed
	038 – 255	Free
		The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds
28		**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.

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Channel	DMX Value	Function			
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			
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

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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 Light 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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