







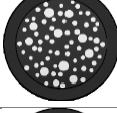

SPHERISCAN







DMX-CHANNELS LIST

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	COLOUR	COLOUR
5	STOPPER / STROBE	STOPPER / STROBE
6	DIMMER	DIMMER
7	FINE DIMMER	FINE DIMMER
8	IRIS	IRIS
9	STATIC GOBO CHANGE	STATIC GOBO CHANGE
10	ROTATING GOBO CHANGE	ROTATING GOBO CHANGE
11	GOBO ROTATION	GOBO ROTATION
12	FINE GOBO ROTATION	FINE GOBO ROTATION
13	PRISM INSERTION	PRISM INSERTION
14	PRISM ROTATION	PRISM ROTATION
15	FROST	FROST
16	ZOOM	ZOOM
17	FOCUS	FOCUS
18	FINE FOCUS	FINE FOCUS
19	FUNCTION	FUNCTION
20	RESET	RESET
21	LAMP CONTROL	LAMP CONTROL
22	PAN	PAN
23	FINE PAN	FINE PAN
24	PAN ROTATION	PAN ROTATION
25	TILT	TILT
26	FINE TILT	FINE TILT
27	STRIP LED RED	STRIP LED RED
28	STRIP LED GREEN	STRIP LED GREEN
29	STRIP LED BLUE	STRIP LED BLUE
30	-	PAN/TILT TIME
31	-	COLOUR TIME
32	-	BEAM TIME
33	-	ROTATING GOBO TIME

CHANNEL FUNCTION

Channel Mode		DMX Value	Function
Standard	Vector		
1	1		CYAN
		0 - 255	Linear Cyan movement
2	2		MAGENTA
		0 - 255	Linear Magenta movement
3	3		YELLOW
		0 - 255	Linear Yellow movement
4	4		COLOUR
		0	Empty position
		8	Empty + Dark Red
		16	Dark Red
		24	Dark Red + Brilliant Blue
		32	Brilliant Blue
		40	Brilliant Blue + Green
		48	Green
		56	Green + Half Minus Green
		64	Half Minus Green
		72	Half Minus Green + Gold Amber
		80	Gold Amber
		88	Gold Amber + Red
		96	Red
		104	Red + Navy Blue
		112	Navy Blue
120	Navy Blue + Empty		
128 - 255	Continuous clockwise >>>> rotation at linearly variable speed from Slow (4.4 rph) to Fast (160 rpm)		
5	5		STOPPER / STROBE
		0 - 3	Light OFF
		4 - 103	Strobe at linearly variable frequency from low (1 flash/sec) to high (12 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		
6	6		DIMMER
		0 - 255	Light output linearly increase from no-light to maximum brightness.
7	7		DIMMER FINE
		0 - 255	Fine Dimmer positioning
8	8		IRIS
		0 - 127	Iris linearly open from minimum to maximum aperture
		128 - 131	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		

Channel Mode		DMX Value	Function
Standard	Vector		
9	9		STATIC GOBO CHANGE
		0 - 7	Empty position
		8 - 15	Gobo 1 (Small Dots) 
		16 - 23	Gobo 2 (Shuffle) 
		24 - 31	Gobo 3 (Floating Squares) 
		32 - 39	Gobo 4 (Random Lines) 
		40 - 47	Gobo 5 (Large Bubbles) 
		48 - 55	Gobo 6 (Shattered) 
		56 - 63	Gobo 7 (Big Dots) 
		64 - 71	Gobo 8 (Tunnel) 
		72 - 113	Continuous gobo wheel clockwise >>>> rotation at linearly variable speed from fast (60 rpm) to slow (5 rpm)
		114 - 117	Stop rotation
		118 - 159	Continuous gobo wheel counter-clockwise <<<<< rotation at linearly variable speed from slow (5 rpm) to fast (60 rpm)
		160 - 171	Gobo 1 shakes at variable speed from slow (24 bpm) to fast (600 bpm)
		172 - 183	Gobo 2 shakes at variable speed from slow (24 bpm) to fast (600 bpm)
		184 - 195	Gobo 3 shakes at variable speed from slow (24 bpm) to fast (600 bpm)
		196 - 207	Gobo 4 shakes ...
		208 - 219	Gobo 5 shakes ...
		220 - 231	Gobo 6 shakes ...
		232 - 243	Gobo 7 shakes ...
		244 - 245	Gobo 8 shakes ...

Channel Mode		DMX Value	Function
Standard	Vector		
10	10		ROTATING GOBO CHANGE
		0 - 18	Empty position
		19 - 37	Gobo 1 (Clouds) 
		38 - 56	Gobo 2 (Eccentric Circle) 
		56 - 74	Gobo 3 (Multiple Cones) 
		75 - 92	Gobo 4 (Fat Line) 
		93 - 111	Gobo 5 (Half Circle) 
		112 - 129	Gobo 6 (Linear Dots) 
		130 - 150	Gobo 1 shakes at variable speed from slow to fast
		151 - 171	Gobo 2 shakes at variable speed from slow to fast
		172 - 192	Gobo 3 shakes at variable speed from slow to fast
		193 - 213	Gobo 4 shakes at variable speed from slow to fast
		214 - 234	Gobo 5 shakes at variable speed from slow to fast
		235 - 255	Gobo 6 shakes at variable speed from slow to fast
		11	11
0 - 21	Gobo indexing <<<<<<: 0° to 90° range		
21 - 42	Gobo indexing <<<<<<: 90° to 180° range		
42 - 63	Gobo indexing <<<<<<: 180° to 270° range		
63 - 84	Gobo indexing <<<<<<: 270° to 360° range		
84 - 105	Gobo indexing <<<<<<: 360° to 450° range		
105 - 127	Gobo indexing <<<<<<: 450° to 540° range		
128 - 190	Continuous clockwise >>>>> gobo rotation at linearly variable speed from fast (180 rpm) to slow (2.2 rph)		
191 - 192	Stop rotation		
193 - 255	Continuous counter-clockwise <<<<< gobo rotation at linearly variable speed from slow (2.2 rph) to fast (180 rpm)		
12	12		FINE GOBO ROTATION
		0 - 255	Fine Gobo Indexing
13	13		PRISM INSERTION
		0 - 127	Prism out
		128 - 255	Prism into the light beam (8 facet prism)

Channel Mode		DMX Value	Function
Standard	Vector		
14	14		PRISM ROTATION
		0 - 21	Prism indexing <<<<<: 0° to 90° range
		21 - 42	Prism indexing <<<<<: 90° to 180° range
		42 - 63	Prism indexing <<<<<: 180° to 270° range
		63 - 84	Prism indexing <<<<<: 270° to 360° range
		84 - 105	Prism indexing <<<<<: 360° to 450° range
		105 - 127	Prism indexing <<<<<: 450° to 540° range
		128 - 190	Continuous prism rotation clockwise >>>>> at linearly variable speed from fast (80 rpm) to slow (3 rph)
		191 - 192	Stop rotation
	193 - 255	Continuous prism rotation counter-clockwise <<<<< at linearly variable speed from slow (3 rph) to fast (80 rpm)	
15	15		FROST
		0 - 255	Frost moves linearly into the light beam Frost blades move from no-diffusion to maximum diffusion
16	16		ZOOM
		0 - 255	Zoom linearly moves from narrow to wide beam
17	17		FOCUS
		0 - 255	Focus moves linearly from far to near position
18	18		FINE FOCUS
		0 - 255	Fine Focus positioning
19	19		FUNCTION
		0 - 11	Unused range
		12 - 24	Fast Pan / Tilt Speed (default)
		25 - 37	Normal Pan / Tilt Speed
		38 - 50	Conventional Dimmer curve
		51 - 62	Standard Dimmer curve (default)
		63 - 139	Free
		140 - 152	Fast Gobo change (default)
		153 - 164	Normal Gobo change
		165 - 177	Free
		178 - 203	Mirror rotation inversion (instant activation, no 5 seconds needed)
		204 - 255	Free
		The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds	
20	20		RESET
		0 - 25	Unused range
		26 - 76	Zoom Reset Zoom Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds
		77 - 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		
21	21		LAMP CONTROL (Fixture not provided with hot re-strike igniter)
		0 - 25	Unused range
		26 - 100	Lamp OFF Lamp switch-off passing through the unused levels range and staying in this range for 5 seconds
		101 - 255	Lamp ON Lamp switch-on passing through the unused levels range and staying in this range for 5 seconds.
22	22		PAN
		0 - 255	Pan Mirror movement/positioning from 0° to 720°
23	23		FINE PAN
		0 - 255	Fine Pan positioning
24	24		PAN MIRROR ROTATION
		0	Stop rotation
		1 - 126	Mirror rotation clockwise >>>> from fast to slow speed
		127 - 129	Stop rotation
		130 - 255	Mirror rotation counter-clockwise <<<< from slow to fast speed
25	25		TILT
		0 - 255	Tilt movement/positioning
26	26		FINE TILT
		0 - 255	Fine Tilt positioning
27	27		STRIP LED RED
		0	Led OFF
		1 - 255	Led light linearly increase from low to maximum intensity
28	28		STRIP LED GREEN
		0	Led OFF
		1 - 255	Led light linearly increase from low to maximum intensity
29	29		STRIP LED BLUE
		0	Led OFF
		1 - 255	Led light linearly increase from low to maximum intensity
-	30		PAN-TILT TIME
		0 - 255	Pan - Fine Pan - Tilt - Fine Tilt
-	31		COLOUR TIME
		0 - 255	Cyan - Magenta – Yellow
-	32		BEAM TIME
		0 - 255	Dimmer - Frost - Prism – Focus - Zoom
-	33		GOBO TIME
		0 - 255	Rotating Gobo

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.)

Please also remember to Switch-Off the bulb before to switch-off the fixture

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