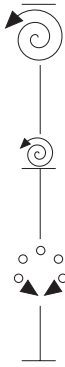


## ALPHA SPOT 300

CHANNEL	Dmx MODALITY	
	Option Vect	Option Stnd
1	COLOUR WHEEL 1 C o l 1	COLOUR WHEEL 1 C o l 1
2	COLOUR WHEEL 2 C o l 2	COLOUR WHEEL 2 C o l 2
3	STOPPER/STROBE S h u t	STOPPER/STROBE S h u t
4	DIMMER D i m r	DIMMER D i m r
5	FIXED GOBO CHANGE G o b F	FIXED GOBO CHANGE G o b F
6	ROTATING GOBO CHANGE G o b R	ROTATING GOBO CHANGE G o b R
7	GOBO ROTATION G o R o	GOBO ROTATION G o R o
8	GOBO FINE G o R F	GOBO FINE G o R F
9	PRISM INSERTION P r s m	PRISM INSERTION P r s m
10	PRISM ROTATION R P r	PRISM ROTATION R P r
11	FOCUS F o c u	FOCUS F o c u
12	PAN P a n	PAN P a n
13	PAN FINE P a n F	PAN FINE P a n F
14	TILT T i l t	TILT T i l t
15	TILT FINE T i l t F	TILT FINE T i l t F
16	RESET	RESET
17	LAMP CONTROL (with option LDMX ON)	LAMP CONTROL (with option LDMX ON)
18	PAN-TILT TIME	
19	COLOUR TIME	
20	BEAM TIME	
21	GOBO TIME	

• COLOUR WHEEL 1 - channel 1

Operation with option **LinC Off FulC Off Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128	50.0	SLOW ROTATION (0.2 rpm)
119-127	46.7-49.7	BLUE + WHITE
112-118	44.0-46.2	BLUE
105-111	41.2-43.7	CYAN + BLUE
98-104	38.2-41.0	CYAN
91-97	35.5-38.0	MAGENTA + CYAN
84-90	33.0-35.0	MAGENTA
77-83	30.0-32.5	YELLOW + MAGENTA
70-76	27.5-29.7	YELLOW
63-69	24.7-27.0	LIGHT GREEN + YELLOW
56-62	22.0-24.2	LIGHT GREEN
49-55	19.0-21.7	LAVENDER + LIGHT GREEN
42-48	16.2-18.7	LAVENDER
35-41	13.7-16.0	AQUAMARINE + LAVENDER
28-34	11.0-13.2	AQUAMARINE
21-27	8.2-10.5	RED + AQUAMARINE
14-20	5.5-8.0	RED
7-13	3.0-5.0	WHITE + RED
0-6	0.0-2.5	WHITE

Operation with option **LinC Off FulC On Rain Off**



BIT	%	EFFECT
224-255	88.0-100	BLUE
196-223	76.7-87.5	CYAN
168-195	66.0-76.2	MAGENTA
140-167	54.7-65.5	YELLOW
112-139	44.0-54.2	LIGHT GREEN
84-111	33.0-43.7	LAVENDER
56-83	22.0-32.5	AQUAMARINE
28-55	11.0-21.7	RED
0-27	0.0-10.5	WHITE

Operation with option **LinC Off FulC On Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128	50.0	SLOW ROTATION (0.2 rpm)
112 - 127	44.0 - 49.7	BLUE
98 - 111	38.2 - 43.7	CYAN
84 - 97	33.0 - 38.0	MAGENTA
70 - 83	27.5 - 32.5	YELLOW
56 - 69	22.0 - 27.0	LIGHT GREEN
42 - 55	16.2 - 21.7	LAVENDER
28 - 41	11.0 - 16.0	AQUAMARINE
14 - 27	5.5 - 10.5	RED
0 - 13	0.0 - 5.0	WHITE

Operation with option **LinC On Rain Off**



BIT	%	EFFECT
255	100	BLUE + WHITE
0	0.0	WHITE

Operation with option **LinC On Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128	50.0	SLOW ROTATION (0.2 rpm)
127	49.7	BLUE + WHITE
0	0.0	WHITE

• COLOUR WHEEL 2 - channel 2

Operation with option **LinC Off FulC Off Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128	50.0	SLOW ROTATION (0.2 rpm)
119-127	46.7-49.7	U.V. + WHITE
112-118	44.0-46.2	U.V.
105-111	41.2-43.7	PINK + U.V.
98-104	38.2-41.0	PINK
91-97	35.5-38.0	GREEN + PINK
84-90	33.0-35.0	GREEN
77-83	30.0-32.5	H.M. GREEN + GREEN
70-76	27.5-29.7	HALF MINUS GREEN
63-69	24.7-27.0	ORANGE + H.M. GREEN
56-62	22.0-24.2	ORANGE
49-55	19.0-21.7	CTB + ORANGE
42-48	16.2-18.7	CTB
35-41	13.7-16.0	CTO 2500 + CTB
28-34	11.0-13.2	CTO 2500
21-27	8.2-10.5	CTO 3200 + CTO 2500
14-20	5.5-8.0	CTO 3200
7-13	3.0-5.0	WHITE + CTO 3200
0-6	0.0-2.5	WHITE

Operation with option **LinC Off FulC Off Rain Off**



BIT	%	EFFECT
238-255	93.2-100	BLUE + WHITE
224-237	88.0-93.0	BLUE
210-223	82.5-87.5	CYAN + BLUE
196-209	76.7-82.0	CYAN
182-195	71.2-76.2	MAGENTA + CYAN
168-181	66.0-71.0	MAGENTA
154-167	60.5-65.5	YELLOW + MAGENTA
140-153	54.7-60.0	YELLOW
126-139	49.5-54.2	LIGHT GREEN + YELLOW
112-125	44.0-49.0	LIGHT GREEN
98-111	38.2-43.7	LAVENDER + LIGHT GREEN
84-97	33.0-38.0	LAVENDER
70-83	27.5-32.5	AQUAMARINE + LAVENDER
56-69	22.0-27.0	AQUAMARINE
42-55	16.2-21.7	RED + AQUAMARINE
28-41	11.0-16.0	RED
14-27	5.5-10.5	WHITE + RED
0-14	0.0-5.0	WHITE

Operation with option **LinC Off FulC On Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128	50.0	SLOW ROTATION (0.2 rpm)
112 - 127	44.0 - 49.7	U.V.
98 - 111	38.2 - 43.7	PINK
84 - 97	33.0 - 38.0	GREEN
70 - 83	27.5 - 32.5	HALF MINUS GREEN
56 - 69	22.0 - 27.0	ORANGE
42 - 55	16.2 - 21.7	CTB
28 - 41	11.0 - 16.0	CTO 2500
14 - 27	5.5 - 10.5	CTO 3200
0 - 13	0.0 - 5.0	WHITE

Operation with option **LinC On Rain On**



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128 127	50.0 49.7	SLOW ROTATION (0.2 rpm) U.V. + WHITE
0	0.0	WHITE

Operation with option **LinC Off FulC Off Rain Off**



BIT	%	EFFECT
238-255	93.2-100	U.V. + WHITE
224-237	88.0-93.0	U.V.
210-223	82.5-87.5	PINK + U.V.
196-209	76.7-82.0	PINK
182-195	71.2-76.2	GREEN + PINK
168-181	66.0-71.0	GREEN
154-167	60.5-65.5	H.M. GREEN + GREEN
140-153	54.7-60.0	HALF MINUS GREEN
126-139	49.5-54.2	ORANGE + H.M. GREEN
112-125	44.0-49.0	ORANGE
98-111	38.2-43.7	CTB + ORANGE
84-97	33.0-38.0	CTB
70-83	27.5-32.5	CTO 2500 + CTB
56-69	22.0-27.0	CTO 2500
42-55	16.2-21.7	CTO 3200 + CTO 2500
28-41	11.0-16.0	CTO 3200
14-27	5.5-10.5	WHITE + CTO 3200
0-14	0.0-5.0	WHITE

Operation with option **LinC Off FulC On Rain Off**



BIT	%	EFFECT
224-255	88.0-100	U.V.
196-223	76.7-87.5	PINK
168-195	66.0-76.2	GREEN
140-167	54.7-65.5	HALF MINUS GREEN
112-139	44.0-54.2	ORANGE
84-111	33.0-43.7	CTB
56-83	22.0-32.5	CTO 2500
28-55	11.0-21.7	CTO 3200
0-27	0.0-10.5	WHITE

Operation with option **LinC On Rain Off**



BIT	%	EFFECT
255	100	U.V. + WHITE
0	0.0	WHITE

• STOPPER / STROBE - channel 3



BIT	%	EFFECT
252 - 255	98.7 - 100	OPEN
239 - 251	93.7 - 98.2	RANDOM FAST STROBE
226 - 238	88.7 - 93.2	RANDOM MEDIUM STROBE
213 - 225	83.7 - 88.2	RANDOM SLOW STROBE
208 - 212	81.7 - 83.2	OPEN
207	81.2	FAST PULSATION
108	42.5	SLOW PULSATION
104 - 107	41.0 - 42.0	OPEN
103	40.5	FAST STROBE (13 flash/sec)
4	1.7	SLOW STROBE (1 flash/sec)
0 - 3	0.0 - 1.2	CLOSED

• DIMMER - channel 4



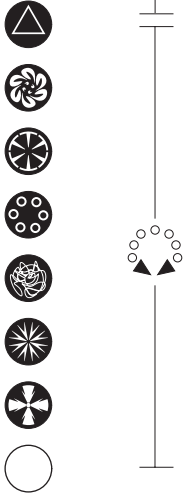
BIT	%	EFFECT
255	100	DIMMER OPEN
0	0.0	DIMMER CLOSED

• FIXED GOBO CHANGE - channel 5



BIT	%	EFFECT
255	100	GOBO 7 SHAKE, FAST SPEED
240	94.0	GOBO 7 SHAKE, SLOW SPEED
239	93.7	GOBO 6 SHAKE, FAST SPEED
224	88.0	GOBO 6 SHAKE, SLOW SPEED
223	87.5	GOBO 5 SHAKE, FAST SPEED
208	81.7	GOBO 5 SHAKE, SLOW SPEED
207	81.2	GOBO 4 SHAKE, FAST SPEED
192	75.0	GOBO 4 SHAKE, SLOW SPEED
191	74.7	GOBO 3 SHAKE, FAST SPEED
176	69.0	GOBO 3 SHAKE, SLOW SPEED
175	68.7	GOBO 2 SHAKE, FAST SPEED
160	63.0	GOBO 2 SHAKE, SLOW SPEED
159	62.5	FAST ROTATION (40 rpm)
118	46.2	SLOW ROTATION (1 rpm)
114 - 117	44.7 - 46.0	STOP
113	44.2	SLOW ROTATION (1 rpm)
72	28.2	FAST ROTATION (40 rpm)
64 - 71	25.0 - 28.0	GOBO 8
56 - 63	22.0 - 24.7	GOBO 7
48 - 55	18.7 - 21.7	GOBO 6
40 - 47	15.5 - 18.2	GOBO 5
32 - 39	12.5 - 15.0	GOBO 4
24 - 31	9.5 - 12.0	GOBO 3
16 - 23	6.2 - 9.0	GOBO 2
8 - 15	3.2 - 6.0	GOBO 1
0 - 7	0 - 3.0	WHITE

• ROTATING GOBO CHANGE - channel: 6



BIT	%	EFFECT
255	100	GOBO 7 SHAKE, FAST SPEED
238	93.2	GOBO 7 SHAKE, SLOW SPEED
237	93.0	GOBO 6 SHAKE, FAST SPEED
220	86.2	GOBO 6 SHAKE, SLOW SPEED
219	86.0	GOBO 5 SHAKE, FAST SPEED
202	79.0	GOBO 5 SHAKE, SLOW SPEED
201	78.7	GOBO 4 SHAKE, FAST SPEED
184	72.0	GOBO 4 SHAKE, SLOW SPEED
183	71.7	GOBO 3 SHAKE, FAST SPEED
166	65.0	GOBO 3 SHAKE, SLOW SPEED
165	64.7	GOBO 2 SHAKE, FAST SPEED
148	58.0	GOBO 2 SHAKE, SLOW SPEED
147	57.5	GOBO 1 SHAKE, FAST SPEED
130	51.0	GOBO 1 SHAKE, SLOW SPEED
112 - 129	44.0 - 50.5	GOBO 7
96 - 111	37.5 - 43.7	GOBO 6
80 - 95	31.2 - 37.0	GOBO 5
64 - 79	25.0 - 31.0	GOBO 4
48 - 63	18.7 - 24.7	GOBO 3
32 - 47	12.5 - 18.2	GOBO 2
16 - 31	6.2 - 12.0	GOBO 1
0 - 17	0 - 6.0	WHITE

• PRISM - channel 9

BIT	%	EFFECT
255	100	5 FACE PRISM INSERTED
129 128	50.5 50.0	
0	0	PRISM EXCLUDED

• PRISM ROTATION - channel: 10



BIT	%	EFFECT
255	100	FAST ROTATION (168 rpm)
193	75.5	SLOW ROTATION (4 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (4 rph)
128	50.0	FAST ROTATION (168 rpm)
127	49.7	POSITION 540°
105	41.7	POSITION 450°
84	33.0	POSITION 360°
63	24.7	POSITION 270°
42	16.2	POSITION 180°
21	8.2	POSITION 90°
0	0.0	POSITION 0°

• GOBO ROTATION - channel: 7



BIT	%	EFFECT
255	100	FAST ROTATION (240 rpm)
193	75.5	SLOW ROTATION (4,4 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (4,4 rph)
128	50.0	FAST ROTATION (240 rpm)
127	49.7	540° POSITION
105	41.7	450° POSITION
84	33.0	360° POSITION
63	24.7	270° POSITION
42	16.2	180° POSITION
21	8.2	90° POSITION
0	0.0	0° POSITION

• FOCUS - channel: 11



BIT	%	EFFECT
255	100	NEAR
0	0.0	DISTANT

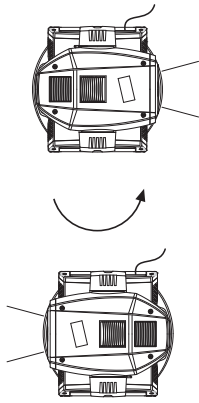
• GOBO FINE - channel: 8



BIT	%
255	100
127	50.0
0	0.0

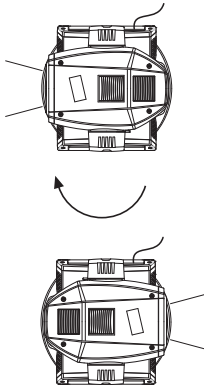
• PAN - channel: 12

Operation with option Pan  $\diamond$  Off  
(Tilt conventionally represented at 15% and option Tilt  $\diamond$  Off)



BIT	%
255	100
0	0.0

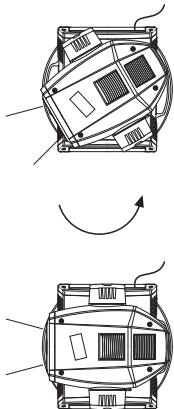
Operation with option Pan  $\diamond$  On  
(Tilt conventionally represented at 15% and option Tilt  $\diamond$  Off)



BIT	%
255	100
0	0.0

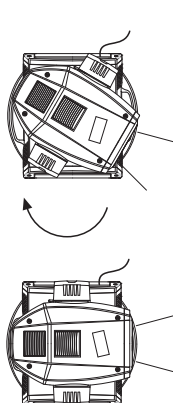
• PAN FINE - channel: 13

Operation with option Pan  $\diamond$  Off  
(Tilt conventionally represented at 15% and option Til  $\diamond$  Off)



BIT	%
255	100
0	0.0

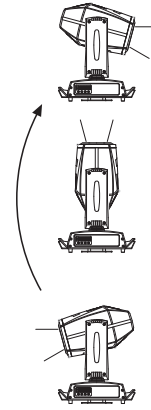
Operation with option Pan  $\diamond$  On  
(Tilt conventionally represented at 15% and option Til  $\diamond$  Off)



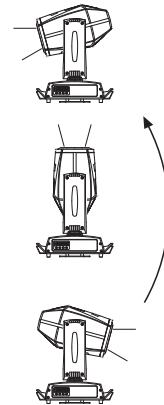
BIT	%
255	100
0	0.0

• TILT - channel: 14

Operation with option Tilt  $\diamond$  Off  
(Pan conventionally represented at 0% and option Pan  $\diamond$  Off)



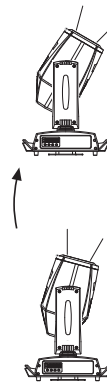
Operation with option Tilt  $\diamond$  On  
(Pan conventionally represented at 0% and option Pan  $\diamond$  Off)



BIT	%
255	100
128	50.0
0	0.0

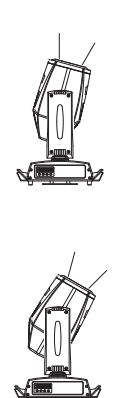
• TILT FINE - channel: 15

Operation with option Til  $\diamond$  Off  
(Pan conventionally represented at 0% and option Pan  $\diamond$  Off)



BIT	%
255	100
0	0.0

Operation with option Til  $\diamond$  On  
(Pan conventionally represented at 0% and option Pan  $\diamond$  Off)



BIT	%
255	100
0	0.0

• RESET - channel: 16

BIT	%	EFFECT
255	100	COMPLETE RESET  Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
128 127	50.0 49.7	COMPLETE RESET PAN / TILT RESET  Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels.
77 76	30.0 29.7	PAN / TILT RESET EFFECTS RESET  Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
26 25	10.0 9.7	EFFECTS RESET
0	0.0	UNUSED RANGE

• LAMP CONTROL (only with option LDmx On) - channel: 17

**IMPORTANT: Alpha Spot 300 is not provided with hot restrike igniter**



BIT	%	EFFECT
255	100	LAMP ON  The function is activated staying 5 s in Lamp ON levels.
180 179	70.5 70.0	LAMP ON  UNUSED RANGE 2
101 100	39.5 39.0	LAMP OFF  The function is activated passing through the unused range 1 and staying 5s in Lamp OFF levels.
26 25	10.0 9.7	LAMP OFF
0	0.0	UNUSED RANGE 1

## TIMING CHANNELS

Timing Channel	Channel function
Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
Colour time	Colour wheel 1 - Colour wheel 2
Beam time	Dimmer - Focus
Gobo time	Fixed Gobo - Rotating gobo

## 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	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	280
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	310
34	6.8	77		120		163		206		250	
35	7	78	23	121	41	164		207		251	
36	7.2	79		122		165		208		252	
37	7.4	80	24	123	42	166		209	140	253	
38	7.6	81		124		167		210		254	
39	7.8	82	25	125	43	168	56	211	150		
40	8	83		126		169		212			
41	8.2	84	26	127	44	170	57	213	160	255	Follow cue Data
42	8.4	85		128		171		214			
								215			