

ALPHA SPOT HPE 300

CHANNEL	Dmx MODALITY	
	Option Vect	Option Stnd
1	CYAN C y a n	CYAN C y a n
2	MAGENTA M g n t	MAGENTA M g n t
3	YELLOW Y e l w	YELLOW Y e l w
4	UNIFORM FIELD LENS U F L e	UNIFORM FIELD LENS U F L e
5	COLOUR WHEEL C o l	COLOUR WHEEL C o l
6	STOPPER/STROBE S h u t	STOPPER/STROBE S h u t
7	DIMMER D i m r	DIMMER D i m r
8	IRIS I r i s	IRIS I r i s
9	FIXED GOBO CHANGE G o b F	FIXED GOBO CHANGE G o b F
10	ROTATING GOBO CHANGE G o b R	ROTATING GOBO CHANGE G o b R
11	GOBO ROTATION G o R o	GOBO ROTATION G o R o
12	GOBO FINE G o R F	GOBO FINE G o R F
13	PRISM INSERTION P r s m	PRISM INSERTION P r s m
14	PRISM ROTATION R P r	PRISM ROTATION R P r
15	FROST F r s t	FROST F r s t
16	FOCUS F o c u	FOCUS F o c u
17	ZOOM Z o o m	ZOOM Z o o m
18	PAN P a n	PAN P a n
19	PAN FINE P a n F	PAN FINE P a n F
20	TILT T i l t	TILT T i l t
21	TILT FINE T I t F	TILT FINE T I t F
22	RESET	RESET
23	LAMP CONTROL (WITH OPTION LDMX ON)	LAMP CONTROL (WITH OPTION LDMX ON)
24	PAN - TILT TIME	
25	COLOUR TIME	
26	BEAM TIME	
27	GOBO TIME	

• COLOUR MIXING - channel 1 - 2 - 3

Operation with option **CMY On**



BIT	%	EFFECT
255	100	COLOUR INSERTED
0	0,0	COLOUR EXCLUDED

Operation with option **CMY Off**



BIT	%	EFFECT
255	100	COLOUR EXCLUDED
0	0,0	COLOUR INSERTED

• UNIFORM FIELD LENS - channel 4

BIT	%	EFFECT
255	100	LENS INSERTED
128 127	50,0 49,7	
0	0,0	LENS EXCLUDED

• COLOUR WHEEL - channel 5

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



BIT	%	EFFECT
255	100	FAST ROTATION (167rpm)
128 119-127 112-118 105-111 98-104 91-97 84-90 77-83 70-76 63-69 56-62 49-55 42-48 35-41 28-34 21-27 14-20 7-13 0-6	50,0 46,7-49,7 44,0-46,2 41,2-43,7 38,2-41,0 35,5-38,0 33,0-35,0 30,0-32,5 27,5-29,7 24,7-27,0 22,0-24,2 19,0-21,7 16,2-18,7 13,7-16,0 11,0-13,2 8,2-10,5 5,5-8,0 3,0-5,0 0,0-2,5	SLOW ROTATION (0,2 rpm) BLUE+WHITE BLUE ORANGE+BLUE ORANGE AQUAMARINE + ORANGE AQUAMARINE GREEN+AQUAMARINE GREEN CTO 3200 + GREEN CTO 3200 CTO 2500 + CTO 3200 CTO 2500 HALF MINUS GREEN RED + HALF MINUS GREEN RED WHITE + RED WHITE

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



BIT	%	EFFECT
255	100	FAST ROTATION (167 rpm)
128 112 - 127 98 - 111 84 - 97 70 - 83 56 - 69 42 - 55 28 - 41 14 - 27 0 - 13	50,0 44,0 - 49,7 38,2 - 43,7 33,0 - 38,0 27,5 - 32,5 22,0 - 27,0 16,2 - 21,7 11,0 - 16,0 5,5 - 10,5 0,0 - 5,0	SLOW ROTATION (0,2 rpm) BLUE ORANGE AQUAMARINE GREEN CTO 3200 CTO 2500 HALF MINUS GREEN RED 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) BLUE+WHITE
0	0,0	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	ORANGE + BLUE
196-209	76,7-82,0	ORANGE
182-195	71,2-76,2	AQUAMARINE+ORANGE
168-181	66,0-71,0	AQUAMARINE
154-167	60,5-65,5	GREEN+AQUAMARINE
140-153	54,7-60,0	GREEN
126-139	49,5-54,2	CTO 3200 + GREEN
112-125	44,0-49,0	CTO 3200
98-111	38,2-43,7	CTO 2500 + CTO 3200
84-97	33,0-38,0	CTO 2500
70-83	27,5-32,5	HALF MINUS GREEN + CTO 2500
56-69	22,0-27,0	HALF MINUS GREEN
42-55	16,2-21,7	RED + HALF MINUS GREEN
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 Off**



BIT	%	EFFECT
224-255	88,0-100	BLUE
196-223	76,7-87,5	ORANGE
168-195	66,0-76,2	AQUAMARINE
140-167	54,7-65,5	GREEN
112-139	44,0-54,2	CTO 3200
84-111	33,0-43,7	CTO 2500
56-83	22,0-32,5	HALF MINUS GREEN
28-55	11,0-21,7	RED
0-27	0,0-10,5	WHITE



BITS	%	EFFECT
255	100	BLUE+WHITE
0	0.0	WHITE

• STOPPER / STROBE - channel 6



BITS	%	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 7



BITS	%	EFFECT
255	100	DIMMER OPEN
0	0.0	DIMMER CLOSED

• IRIS - channel 8



BITS	%	EFFECT
254-255	99.5-100.0	STANDARD APERTURE
252-253	98.7-99.0	MAXIMUM APERTURE
251	98.2	FAST PULSATION, FAST CLOSING
212	83.2	SLOW PULSATION, FAST CLOSING
211	83	FAST PULSATION, FAST OPENING
172	67.5	SLOW PULSATION, FAST OPENING
171	67	FAST PULSATION
132	51.7	SLOW PULSATION
128 - 131	50.0 - 51.2	STANDARD APERTURE
0	0.0	MINIMUM APERTURE

• FIXED GOBO CHANGE - channel 9



BITS	%	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 10



BITS	%	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	78.0	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

• GOBO ROTATION - channel 11



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

• FROST - channel 15

BIT	%	EFFECT
255	100	FROST INSERTED
129	50,0	
128	49,7	
0	0	FROST EXCLUDED

• GOBO FINE - channel 12



BIT	%
255	100
127	50,0
0	0,0

• FOCUS - channel 16



BIT	%	EFFECT
255	100	NEAR
0	0,0	DISTANT

• PRISM - channel 13

BIT	%	EFFECT
255	100	5 FACE PRISM INSERTED
129	50,5	
128	50,0	
0	0	PRISM EXCLUDED

• ZOOM - channel 17



BIT	%	EFFECT
255	100	NARROW BEAM
0	0,0	WIDE BEAM

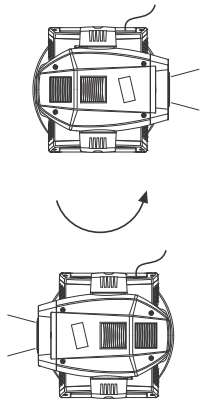
• PRISM ROTATION - channel 14



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°

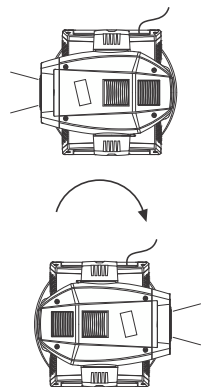
• PAN - channel 18

Operation with option Pan ⬢ Off
(Tilt conventionally represented at 15% and option Tilt ⬢ Off)



BIT	%
255	100
0	0,0

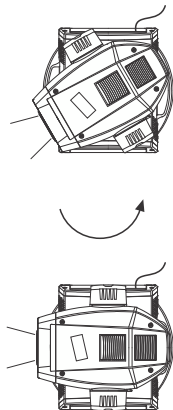
Operation with option Pan ⬢ On
(Tilt conventionally represented at 15% and option Tilt ⬢ Off)



BIT	%
255	100
0	0,0

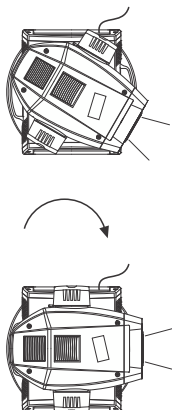
• PAN FINE - channel 19

Operation with option Pan ⬢ Off
(Tilt conventionally represented at 15% and option Til ⬢ Off)



BIT	%
255	100
0	0,0

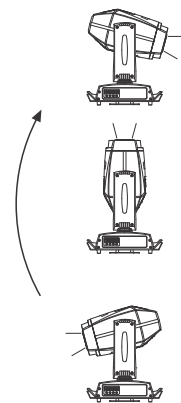
Operation with option Pan ⬢ On
(Tilt conventionally represented at 15% and option Til ⬢ Off)



BIT	%
255	100
0	0,0

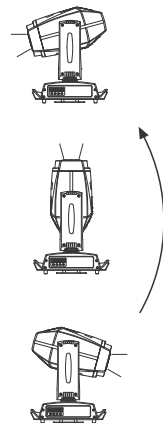
• TILT - channel 20

Operation with option Tilt ⬢ Off
(Pan conventionally represented at 0% and option Pan ⬢ Off)



BIT	%
255	100
128	50,0
0	0,0

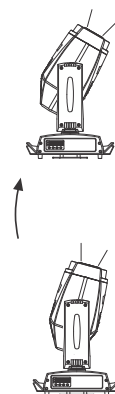
Operation with option Tilt ⬢ On
(Pan conventionally represented at 0% and option Pan ⬢ Off)



BIT	%
255	100
128	50,0
0	0,0

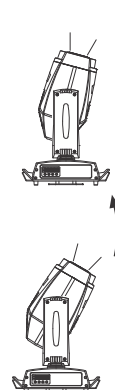
• TILT FINE - channel 21

Operation with option Til ⬢ Off
(Pan conventionally represented at 0% and option Pan ⬢ Off)



BIT	%
255	100
0	0,0

Operation with option Til ⬢ On
(Pan conventionally represented at 0% and option Pan ⬢ Off)



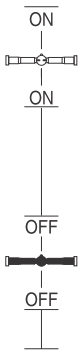
BIT	%
255	100
0	0,0

• RESET - channel 22

BIT	%	EFFECT
255	100	COMPLETE RESET
		Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
128	50,0	COMPLETE RESET
127	49,7	PAN / TILT RESET
		Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels.
77	30,0	PAN / TILT RESET
76	29,7	EFFECTS RESET
		Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
26	10,0	EFFECTS RESET
25	9,7	UNUSED RANGE
0	0,0	

• LAMP CONTROL (only with option LDmx On) - channel 23

IMPORTANT: Alpha Spot HPE 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	70,5	LAMP ON
179	70,0	
		UNUSED RANGE 2
101	39,5	LAMP OFF
100	39,0	
		The function is activated passing through the unused range 1 and staying 5s in Lamp OFF levels.
26	10,0	LAMP OFF
25	9,7	UNUSED RANGE 1
0	0,0	

TIMING CHANNELS

Timing Channel	Channel function
Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
Colour time	CMY - Colour wheel
Beam time	Zoom - Focus - Iris - Frost - Dimmer - Prism
Gobo time	Fixed Gobo wheel - Change Gobo

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