

CHANNEL FUNCTION

ALPHA BEAM 1500

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	COLOUR WHEEL	COLOUR WHEEL
5	STOP / STROBE	STOP / STROBE
6	DIMMER	DIMMER
7	DIMMER FINE	DIMMER FINE
8	IRIS	IRIS
9	STATIC GOBO CHANGE	STATIC GOBO CHANGE
10	ROTATING GOBO CHANGE	ROTATING GOBO CHANGE
11	GOBO ROTATION	GOBO ROTATION
12	ROTATING PRISM CHANGE	ROTATING PRISM CHANGE
13	PRISM ROTATION	PRISM ROTATION
14	LIGHT FOST	LIGHT FROST
15	MEDIUM FROST	MEDIUM FROST
16	HEAVY FROST	HEAVY FROST
17	FOCUS	FOCUS
18	PAN	PAN
19	PAN FINE	PAN FINE
20	TILT	TILT
21	TILT FINE	TILT FINE
22	FUNCTION	FUNCTION
23	RESET	RESET
24	LAMP CONTROL (with Option "Lamp Dmx" ON)	LAMP CONTROL (with Option "Lamp Dmx" ON)
25		PAN - TILT TIME
26		COLOUR TIME
27		BEAM TIME
28		GOBO TIME

• STATIC GOBO CHANGE - channel 9

BIT	%	EFFECT
255	100	GOBO 8 SHAKE, FAST SPEED
244	95.5	GOBO 8 SHAKE, SLOW SPEED
243	95.0	GOBO 7 SHAKE, FAST SPEED
232	91.0	GOBO 7 SHAKE, SLOW SPEED
231	90.5	GOBO 6 SHAKE, FAST SPEED
220	86.2	GOBO 6 SHAKE, SLOW SPEED
219	86.0	GOBO 5 SHAKE, FAST SPEED
208	81.7	GOBO 5 SHAKE, SLOW SPEED
207	81.2	GOBO 4 SHAKE, FAST SPEED
196	76.7	GOBO 4 SHAKE, SLOW SPEED
195	76.2	GOBO 3 SHAKE, FAST SPEED
184	72.0	GOBO 3 SHAKE, SLOW SPEED
183	71.7	GOBO 2 SHAKE, FAST SPEED
172	67.5	GOBO 2 SHAKE, SLOW SPEED
171	67.0	GOBO 1 SHAKE, FAST SPEED
160	63.0	GOBO 1 SHAKE, SLOW SPEED
159	62.5	FAST ROTATION (100 rpm)
118	46.2	SLOW ROTATION (5 rpm)
114 - 117	44.7 - 46.0	STOP
113	44.2	SLOW ROTATION (5 rpm)
72	28.2	FAST ROTATION (100 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

• GOBO ROTATION - channel 11

BIT	%	EFFECT
255	100	FAST ROTATION (150 rpm)
193	75.5	SLOW ROTATION (2,2 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (2,2 rph)
128	50.0	FAST ROTATION (150 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

• ROTATING PRISM CHANGE - channel 12

BIT	%	EFFECT
192-255	75.0-100	6 FACE PRISM
128-191	50.0-74.7	OVALYZER
64-127	25.0-49.7	5 FACE PRISM
0 - 63	0.0 - 24.7	WHITE

• ROTATING GOBO CHANGE - channel 10

BIT	%	EFFECT
255	100	GOBO 6 SHAKE, FAST SPEED
235	92.0	GOBO 6 SHAKE, SLOW SPEED
234	91.7	GOBO 5 SHAKE, FAST SPEED
214	84.0	GOBO 5 SHAKE, SLOW SPEED
213	83.7	GOBO 4 SHAKE, FAST SPEED
193	75.5	GOBO 4 SHAKE, SLOW SPEED
192	75.0	GOBO 3 SHAKE, FAST SPEED
172	67.5	GOBO 3 SHAKE, SLOW SPEED
171	67.0	GOBO 2 SHAKE, FAST SPEED
151	59.0	GOBO 2 SHAKE, SLOW SPEED
150	58.7	GOBO 1 SHAKE, FAST SPEED
130	51.0	GOBO 1 SHAKE, SLOW SPEED
112-129	44.0-50.5	GOBO 6
93-111	36.2-43.7	GOBO 5
75-92	29.5-36.0	GOBO 4
56-74	22.0-29.0	GOBO 3
38-55	14.7-21.7	GOBO 2
19-37	7.5-14.2	GOBO 1
0-18	0-7.0	WHITE

• PRISM ROTATION - channel 13

BIT	%	EFFECT
255	100	FAST ROTATION (120 rpm)
193	75.5	SLOW ROTATION (3 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (3 rph)
128	50.0	FAST ROTATION (120 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°

• LIGHT FOST - channel 14



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

• MEDIUM FROST - channel 15



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

• HEAVY FROST - channel 16



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

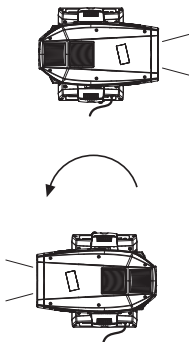
• FOCUS - channel 17



BIT	%	EFFECT
255	100	NEAR
0	0.0	DISTANT

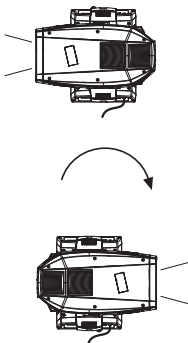
• PAN - channel 18

Operation with option InvertPan $\diamond$ Off
(Tilt conventionally represented at 14% and option Invert Tilt $\diamond$ Off)



BIT	%
255	100
0	0.0

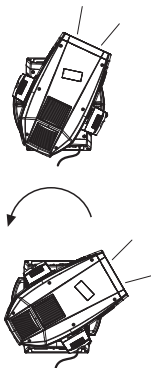
Operation with option InvertPan $\diamond$ On
(Tilt conventionally represented at 14% and option Invert Tilt $\diamond$ Off)



BIT	%
255	100
0	0.0

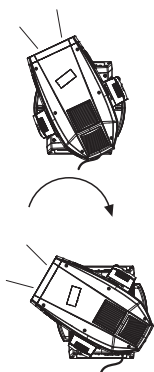
• PAN FINE - channel 19

Operation with option InvertPan $\diamond$ Off
(Tilt conventionally represented at 14% and option Invert Tilt $\diamond$ Off)



BIT	%
255	100
0	0.0

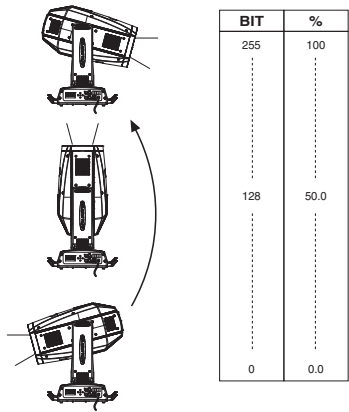
Operation with option InvertPan $\diamond$ On
(Tilt conventionally represented at 14% and option Invert Tilt $\diamond$ Off)



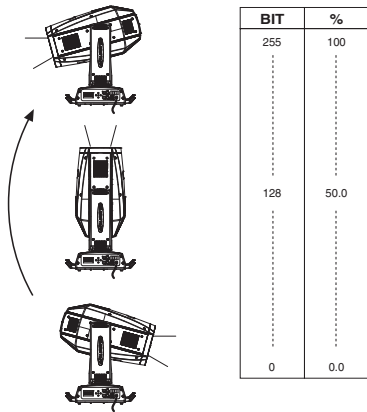
BIT	%
255	100
0	0.0

• TILT - channel 20

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

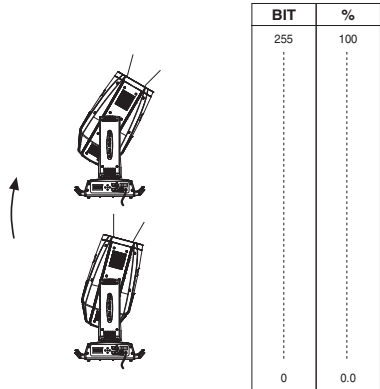


Operation with option Invert Tilt $\diamond$ On
(Pan conventionally represented at 0% and option Invert Pan $\diamond$ Off)

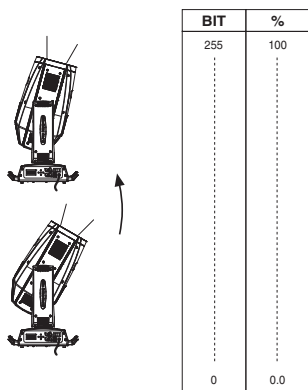


• TILT FINE - channel 21

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



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



• FUNCTION - channel: 22

BIT	%	EFFECT
255	100	UNUSED RANGE
...	...	
63	24.7	
...	...	
51-62	20.0-24.2	LINEAR (Default)
38-50	14.7-19.5	CONVENTIONAL
25-37	9.7-14.2	NORMAL
12-24	4.7-9.5	FAST (Default)
0-11	0.0-4.2	UNUSED RANGE

The functions are activated passing through unused range and staying 5 seconds in necessary level.

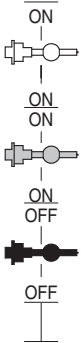
• RESET - channel: 23

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	UNUSED RANGE

• LAMP CONTROL (only with option LAMP DMX On) - channel: 24

IMPORTANT: Alpha Beam 1500 is not provided with hot restrike igniter

BIT	%	EFFECT
255	100	LAMP ON (FULL POWER)
...	...	Lamp ignition after 5 s in full power levels.
180	70.5	LAMP ON (FULL POWER)
179	70.0	LAMP ON (HALF POWER)
...	...	Immediate transition from full to half power.
101	39.5	LAMP ON (HALF POWER)
100	39.0	LAMP OFF
...	...	Lamp switch off passing through the unused range and staying 5 s in Lamp OFF levels.
26	10.0	LAMP OFF
25	9.7	UNUSED RANGE
0	0.0	UNUSED RANGE



TIMING CHANNELS

	Timing Channel	Channel function
25	Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
26	Colour time	CMY - Colour wheel
27	Beam time	Dimmer - Light Frost - Medium Frost - Heavy Frost - Iris - Rotating Prism Change
28	Gobo time	Fixed Gobo - Rotating Gobo Change

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