

CHANNEL FUNCTION

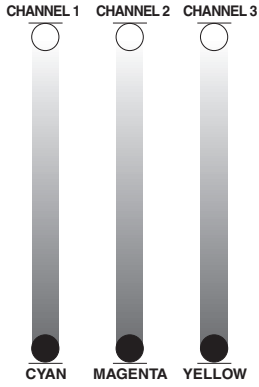
ALPHA BEAM 700

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	PRISM INSERTION	PRISM INSERTION
13	PRISM ROTATION	PRISM ROTATION
14	FROST	FROST
15	FOCUS	FOCUS
16	PAN	PAN
17	PAN FINE	PAN FINE
18	TILT	TILT
19	TILT FINE	TILT FINE
20	FUNCTION	FUNCTION
21	RESET	RESET
22	LAMP CONTROL (with Option "Lamp Dmx" ON)	LAMP CONTROL (with Option "Lamp Dmx" ON)
23		PAN - TILT TIME
24		COLOUR TIME
25		BEAM TIME
26		GOBO TIME

NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 50% - Tilt 50%) all the others channels stay at 0%.

• COLOUR MIXING - channel 1 - 2 - 3

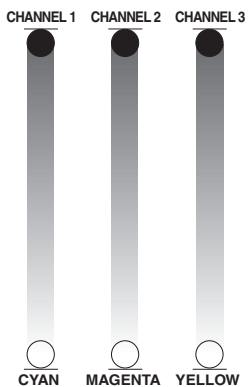
Operation with option color mixing: RGB



BIT	%	EFFECT
255	100	COLOUR EXCLUDED
0	0.0	COLOUR INSERTED

IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 0% level. The lamp goes back to full power when the channels level is put higher than 0%.

Operation with option color mixing: CMY



BIT	%	EFFECT
255	100	COLOUR INSERTED
0	0.0	COLOUR EXCLUDED

IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 100% level. The lamp goes back to full power when the channels level is put lower than 100%.

• COLOUR WHEEL - channel 4



BIT	%	EFFECT
255	100	FAST ROTATION (160 rpm)
127	49.7	BLUE + WHITE
120	47.0	BLUE
112	44.0	ORANGE + BLUE
105	41.2	ORANGE
97	38.0	AQUAMARINE + ORANGE
90	35.0	AQUAMARINE
82	32.0	GREEN + AQUAMARINE
75	29.5	GREEN
67	26.2	CTO 2500 + GREEN
60	23.7	CTO 2500
52	20.5	CTO 3200 + CTO 2500
45	17.5	CTO 3200
37	14.2	CTB + CTO 3200
30	11.7	CTB
22	8.7	RED + CTB
15	6.0	RED
8	3.2	WHITE + RED
0	0.0	WHITE

• STOP / STROBE - channel 5



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 (12 flash/sec)
4	1.7	SLOW STROBE (1 flash/sec)
0 - 3	0.0 - 1.2	CLOSED

IMPORTANT: The lamp dim to half power 1 second after the channel stay at 0% level. The lamp goes back to full power when the channel level is put higher than 0%.

• DIMMER - channel 6



BIT	%	EFFECT
255	100	
0	0.0	

The lamp is linearly dimmed from full power to half power electronically and mechanically from half power to off.

• DIMMER FINE - channel 7



BIT	%	EFFECT
255	100	
0	0.0	

• IRIS - channel 8



BIT	%	EFFECT
252 - 255	98.7 - 100	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	67.0	FAST PULSATION
132	51.7	SLOW PULSATION
128 - 131	50.0 - 51.2	MAXIMUM APERTURE
0	0.0	MINIMUM APERTURE

• STATIC GOBO CHANGE - channel 9

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 (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 (180 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 (180 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

• PRISM INSERTION - channel 12

BIT	%	EFFECT
255	100	
...	...	PRISM INSERTED
128	50.0	
127	49.7	
...	...	PRISM EXCLUDED
0	0.0	

• ROTATING GOBO CHANGE - channel 10

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	GOBO 1 SHAKE, SLOW SPEED
114-129	44.7-50.5	GOBO 7
...
98-113	38.2-44.2	GOBO 6
...
82-97	32.0-38.0	GOBO 5
...
65-81	25.5-31.7	GOBO 4
...
49-64	19.0-25.0	GOBO 3
...
33-48	13.0-18.7	GOBO 2
...
17-32	6-7-12.5	GOBO 1
0-16	0.0-6.2	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°

• FROST - channel 14



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

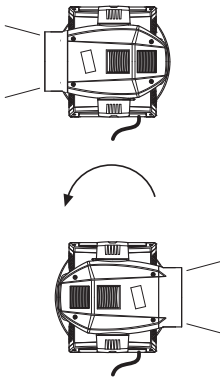
• FOCUS - channel 15



BIT	%	EFFECT
255	100	DISTANT
0	0.0	NEAR

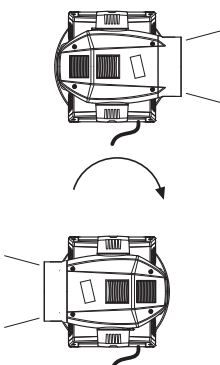
• PAN - channel 16

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



BIT	%
255	100
0	0.0

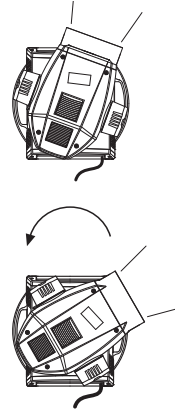
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



BIT	%
255	100
0	0.0

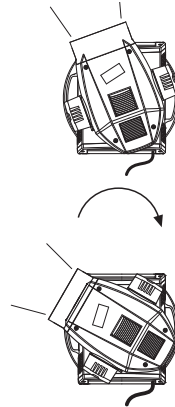
• PAN FINE - channel 17

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



BIT	%
255	100
0	0.0

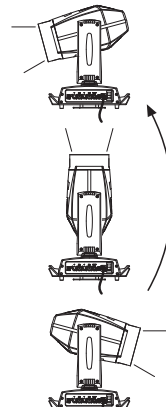
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



BIT	%
255	100
0	0.0

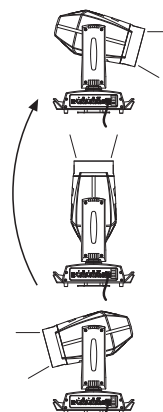
• TILT - channel 18

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



BIT	%
255	100
128	50.0
0	0.0

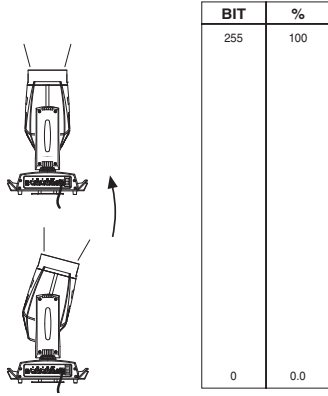
Operation with option Invert Tilt \diamond On
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)



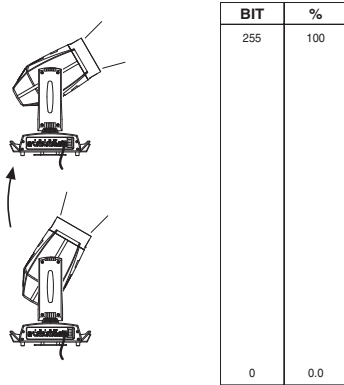
BIT	%
255	100
128	50.0
0	0.0

• **TILT FINE - channel 19**

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: 20**

BIT	%	EFFECT	
255	100	UNUSED RANGE	
52	20.5		
51	20.0		DIMMER CURVE FUNCTION
39	15.0		
26	10.0		PAN-TILT FUNCTION
13	5.0	FAST SPEED (DEFAULT)	
0-12	0.0-4.7	UNUSED RANGE	

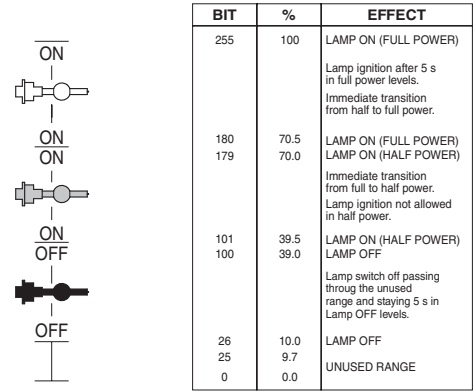
The functions are activated passing through the unused range and staying 5 seconds in necessary level.

• **RESET - channel: 21**

BIT	%	EFFECT
243 - 255	95.0 - 100	COMPLETE RESET Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
240 - 242	94.0 - 94.7	Rotating Gobo OFFSET 13
237 - 239	93.0 - 93.7	Rotating Gobo OFFSET 12
234 - 236	91.7 - 92.5	Rotating Gobo OFFSET 11
231 - 233	90.5 - 91.2	Rotating Gobo OFFSET 10
228 - 230	89.5 - 90.0	Rotating Gobo OFFSET 9
225 - 227	88.2 - 89.0	Rotating Gobo OFFSET 8
222 - 224	87.0 - 88.0	Rotating Gobo OFFSET 7
219 - 221	86.0 - 86.7	Rotating Gobo OFFSET 6
216 - 218	84.7 - 85.5	Rotating Gobo OFFSET 5
213 - 215	83.7 - 84.2	Rotating Gobo OFFSET 4
210 - 212	82.5 - 83.2	Rotating Gobo OFFSET 3
207 - 209	81.2 - 82.0	Rotating Gobo OFFSET 2
204 - 206	80.0 - 81.0	Rotating Gobo OFFSET 1
128 - 203	50 - 79.5	COMPLETE RESET Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
77 - 127	30 - 49.7	PAN/TILT RESET Pan/Tilt reset is activated passing through the unused range and staying 5 seconds in Pan/Tilt reset levels.
26 - 76	10 - 29.7	EFFECTS RESET Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
0 - 25	0.0 - 9.7	Unused range

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 22**

IMPORTANT: Alpha Beam 700 is not provided with hot restrike igniter



TIMING CHANNELS

	Timing Channel	Channel function
23	Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
24	Colour time	CMY - Colour wheel
25	Beam time	Dimmer - Frost - Iris - Prism insertion
26	Gobo time	Static Gobo - Rotating Gobo Change

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