ALPHA PROFILE 700 & "ST"

Supplied by:

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CHANNEL	CHANNEL MODE	
	STANDARD	**VECTOR**
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	C.T.O	C.T.O
5	COLOUR WHEEL	COLOUR WHEEL
6	MACRO COLOURS	MACRO COLOURS
7	STOP/STROBE	STOP/STROBE
8	DIMMER	DIMMER
9	DIMMER FINE	DIMMER FINE
10	IRIS	IRIS
11	ROTATING GOBO CHANGE	ROTATING GOBO CHANGE
12	GOBO ROTATION	GOBO ROTATION
13	GOBO FINE	GOBO FINE
14	PRISM	PRISM
15	FROST	FROST
16	BLADE UP1	BLADE UP1
17	BLADE UP2	BLADE UP2
18	BLADE DW1	BLADE DW1
19	BLADE DW2	BLADE DW2
20	BLADE RG1	BLADE RG1
21	BLADE RG2	BLADE RG2
22	BLADE LF1	BLADE LF1
23	BLADE LF2	BLADE LF2
24	FRAMING ROTATION	FRAMING ROTATION
25	FOCUS	FOCUS
26	FOCUS FINE	FOCUS FINE
27	ZOOM	ZOOM
28	AUTOFOCUS DISTANCE	AUTOFOCUS DISTANCE
29	AUTOFOCUS ADJUSTMENT	AUTOFOCUS ADJUSTMENT
30	MACRO EFFECTS	MACRO EFFECTS
31	PAN	PAN
32	PAN FINE	PAN FINE
33	TILT	TILT
34	TILT FINE	TILT FINE
35	FUNCTION	FUNCTION
36	RESET	RESET
37	LAMP CONTROL (with Option "Lamp DMX" ON)	LAMP CONTROL (with Option "Lamp DMX" ON)
38		PAN-TILT TIME
39		COLOUR TIME
40		BEAM TIME
41		GOBO TIME

NB: To prevent accidental breakage of the effects, which could collide with each other during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0 bit).

• COLOUR MIXING - channel 1 - 2 - 3

Operation with option color mixing: RGB

BIT	EFFECT
255	COLOUR EXCLUDED
0	COLOUR INSERTED

CHANNEL 1 — CYAN, CHANNEL 2 — MAGENTA, CHANNEL 3 — YELLOW

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

Operation with option color mixing: CMY

BIT	EFFECT
255	COLOUR INSERTED
0	COLOUR EXCLUDED

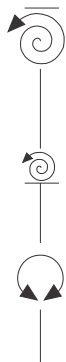CHANNEL 1 — CYAN, CHANNEL 2 — MAGENTA, CHANNEL 3 — YELLOW

IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 255 bit level. The lamp goes back to full power when the channels level is put lower than 255 bit.

• C.T.O. - channel 4

BIT	EFFECT
255	FILTER INSERTED
0	FILTER EXCLUDED

CHANNEL 4 — CTO

• COLOUR WHEEL - channel 5

BIT	EFFECT
255	FAST ROTATION (160 rpm)
128	SLOW ROTATION (0.2 rpm)
127	BLUE + WHITE
120	BLUE
112	ORANGE + BLUE
105	ORANGE
97	AQUAMARINE + ORANGE
90	AQUAMARINE
82	LAVENDER + AQUAMARINE
75	LAVENDER
67	LIGHT GREEN + LAVENDER
60	LIGHT GREEN
52	GREEN + LIGHT GREEN
45	GREEN
37	CTO + GREEN
30	CTO
22	RED + CTO
15	RED
8	WHITE + RED
0	WHITE

• MACRO COLOURS - channel 6

COLOR NAME	BIT	ROSCO CODE	LEE CODE	CYAN BIT	MAGENTA BIT	YELLOW BIT	CTO BIT	WHEEL BIT
Unused Range	148-255	-	-	-	-	-	-	-
Half CT straw	146-147	442	442	0	0	34	190	0
Lighter blue	144-145	353	353	226	0	149	138	0
Glacier blue	142-143	352	352	220	0	129	138	0
Fuschia pink	140-141	345	345	109	186	77	120	0
Mallard green	138-139	325	325	255	0	0	236	58
Jade	136-137	323	323	127	0	162	0	77
3/4 CT Orange	134-135	285	285	0	36	61	217	0
3/4 CTB	132-133	281	281	85	79	87	54	0
Half minus green	130-131	248	248	60	19	86	75	39
Minus green	128-129	247	247	60	71	86	75	39
1/4 CTO	126-127	206	206	62	71	123	122	0
1/2 CTO	124-125	205	205	25	26	45	131	0
Full CT Orange	122-123	204	204	0	44	58	234	0
1/4 CTB	120-121	203	203	75	54	91	109	0
1/2 CTB	118-119	202	202	85	71	84	89	0
Full CTB	116-117	201	201	94	79	80	0	0
Alice Blue	114-115	197	197	236	51	0	205	0
Congo Blue	112-113	181	181	251	241	0	255	0
Dark Lavender	110-111	180	180	195	170	0	160	0
Chrome Orange	108-109	179	179	0	98	255	255	0
Lagoon blue	106-107	172	172	224	0	121	40	79
Deep Lavender	104-105	170	170	100	129	77	120	0
Liliac tint	102-103	169	169	41	59	39	120	0
Daylight Blue	100-101	165	165	210	73	105	88	0
Flame red	98-99	164	164	0	255	227	255	97
Bastard amber	96-97	162	162	0	26	0	199	0
Deep Orange	94-95	158	158	0	148	255	255	0
Pink	92-93	157	157	0	159	0	255	0
Pale rose	90-91	154	154	0	48	0	189	0
Pale Gold	88-89	152	152	0	60	98	138	0
Bright rose	86-87	148	148	0	255	0	255	0
Apricot	84-85	147	147	0	81	55	255	0
Bright Blue	82-83	141	141	182	0	99	92	77
Primary green	80-81	139	139	0	0	0	231	58
Light green	78-79	121	121	0	0	255	0	77
Pale green	76-77	138	138	105	0	179	100	0
Special Lavender	74-75	137	137	97	105	72	90	0
Pale Lavender	72-73	136	136	73	102	44	120	0
Deep golden amber	70-71	135	135	0	255	255	255	0
Golden amber	68-69	134	134	0	142	234	110	0
Medium blue	66-67	132	132	255	152	127	0	77
Marine blue	64-65	131	131	60	0	106	73	77
Bright pink	62-63	128	128	0	255	0	197	0
Mauve	60-61	126	126	0	255	0	255	74
Fern Green	58-59	122	122	173	0	235	89	0
Leaf green	56-57	121	121	136	0	241	64	0
Deep Blue	54-55	120	120	255	229	58	128	77
Dark blue	52-53	119	119	255	161	0	0	77
Light blue	50-51	118	118	245	0	145	138	0
Steel blue	48-49	117	117	167	0	141	165	0
Medium blue green	46-47	116	116	189	0	157	91	77
Peacock blue	44-45	115	115	136	0	128	91	77
Dark pink	42-43	111	111	0	139	0	220	0
Light Salmon	40-41	109	109	50	121	58	230	0
English rose	38-39	108	108	0	62	0	247	0
Light rose	36-37	107	107	0	95	0	220	0
Primary red	34-35	106	182	0	0	0	0	20
Orange	32-33	105	105	0	182	255	76	0
Deep amber	30-31	104	104	0	26	199	223	0
Straw	28-29	103	103	58	17	104	176	0
Light amber	26-27	102	102	0	0	171	193	0
Yellow	24-25	101	101	0	0	255	149	0
Spring yellow	22-23	100	100	80	0	227	157	0
Dark Yellow Green	20-21	90	90	255	0	255	204	0
Lime green	18-19	88	88	118	0	241	124	0
Just Blue	16-17	79	79	255	77	0	204	0
Tokyo Blue	14-15	71	71	255	255	0	180	77
Sky blue	12-13	068	068	245	77	64	173	0
Pale blue	10-11	063	063	122	0	112	127	0
Lavender	8-9	058	058	165	186	77	0	0
Bright Red	6-7	026	026	0	255	0	255	21
Med Yellow	4-5	010	010	48	0	239	115	0
Med bastard amber	2-3	004	004	0	62	78	159	0
Random Macro Color (only for Macro effects)	1	-	-	-	-	-	-	-
Unused Range	0	-	-	-	-	-	-	-

• STOP / STROBE - channel 7

MACRO

BIT	EFFECT
252 - 255	OPEN
239 - 251	RANDOM FAST STROBE
226 - 238	RANDOM MEDIUM STROBE
213 - 225	RANDOM SLOW STROBE
208 - 212	OPEN
207	FAST PULSATION
108	SLOW PULSATION
104 - 107	OPEN
103	FAST STROBE (12 flash/sec)
4	SLOW STROBE (1 flash/sec)
0 - 3	CLOSED

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

• DIMMER - channel 8

BIT	EFFECT
255	DIMMER OPEN
0	DIMMER CLOSED

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

• DIMMER FINE - channel 9

BIT	EFFECT
255	
0	

• IRIS - channel 10

MACRO
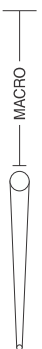
BIT	EFFECT
252 - 255	MAXIMUM APERTURE
251	FAST PULSATION, FAST CLOSING
212	SLOW PULSATION, FAST CLOSING
211	FAST PULSATION, FAST OPENING
172	SLOW PULSATION, FAST OPENING
171	FAST PULSATION
132	SLOW PULSATION
128 - 131	MAXIMUM APERTURE
0	MINIMUM APERTURE

• ROTATING GOBO CHANGE - channel 11

MACRO

BIT	EFFECT
255	GOBO 7 SHAKE, FAST SPEED
238	GOBO 7 SHAKE, SLOW SPEED
237	GOBO 6 SHAKE, FAST SPEED
220	GOBO 6 SHAKE, SLOW SPEED
219	GOBO 5 SHAKE, FAST SPEED
202	GOBO 5 SHAKE, SLOW SPEED
201	GOBO 4 SHAKE, FAST SPEED
184	GOBO 4 SHAKE, SLOW SPEED
183	GOBO 3 SHAKE, FAST SPEED
166	GOBO 3 SHAKE, SLOW SPEED
165	GOBO 2 SHAKE, FAST SPEED
148	GOBO 2 SHAKE, SLOW SPEED
147	GOBO 1 SHAKE, FAST SPEED
130	GOBO 1 SHAKE, SLOW SPEED
114-129	GOBO 7
98-113	GOBO 6
82-97	GOBO 5
65-81	GOBO 4
49-64	GOBO 3
33-48	GOBO 2
17-32	GOBO 1
0-16	WHITE

• GOBO ROTATION - channel 12

STOP

540°

360°

0°

BIT	EFFECT
255	FAST ROTATION (180 rpm)
193	SLOW ROTATION (2,2 rph)
191 - 192	STOP
190	SLOW ROTATION (2,2 rph)
128	FAST ROTATION (180 rpm)
127	540° POSITION
105	450° POSITION
84	360° POSITION
63	270° POSITION
42	180° POSITION
21	90° POSITION
0	0° POSITION

• GOBO FINE - channel 13

BIT
255
127
0

• PRISM - channel 14

BIT	EFFECT
255	
	PRISM INSERTED
128	
127	
	PRISM EXCLUDED
0	

• BLADE DW 1 - channel: 18

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• FROST - channel 15

BIT	EFFECT
255	FROST INSERTED
0	FROST EXCLUDED

• BLADE DW 2 - channel: 19

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE UP 1 - channel: 16

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE RG 1 - channel: 20

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE UP 2 - channel: 17

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE RG 2 - channel: 21

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE LF 1 - channel: 22

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE LF 2 - channel: 23

BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

Important:
The lamp automatically dim to half power in any condition in which the blades completely shut the light beam.

• FRAMING ROTATION - channel: 24

BIT
255
127
0

• FOCUS - channel 25

BIT	EFFECT
255	NEAR
0	DISTANT

• FOCUS FINE - channel 26

BIT	EFFECT
255	NEAR
0	DISTANT

• ZOOM - channel: 27

BIT	EFFECT
255	NARROW BEAM
0	WIDE BEAM

• AUTOFOCUS DISTANCE - channel 28

AUTOFOCUS priority:
1 - Blades
2 - Rotating Gobo
3 - Iris

BIT	EFFECT
255	100 METRES
26	10 METRES
23	9 METRES
20	8 METRES
18	7 METRES
15	6 METRES
13	5 METRES
10	4 METRES
7	3 METRES
0-6	AUTOFOCUS OFF

• AUTOFOCUS ADJUSTMENT - channel 29

BIT	EFFECT
255	FOCUS FINE
128	
0	FOCUS FINE
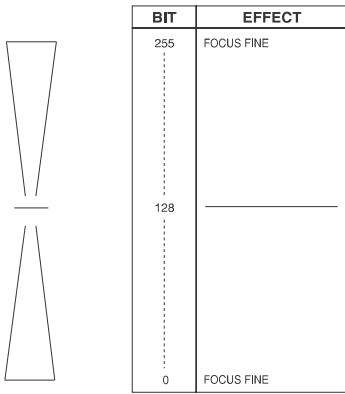
• MACRO EFFECTS - channel 30

BIT	EFFECT
232-255	STAND BY BLACK
220-231	RANDOM MACRO 8
208-219	RANDOM MACRO 7
196-207	RANDOM MACRO 6
184-195	RANDOM MACRO 5
172-183	RANDOM MACRO 4
160-171	RANDOM MACRO 3
148-159	RANDOM MACRO 2
136-147	RANDOM MACRO 1
112-135	STAND BY BLACK
100-111	MACRO 8
88-99	MACRO 7
76-87	MACRO 6
64-75	MACRO 5
52-63	MACRO 4
40-51	MACRO 3
28-39	MACRO 2
16-27	MACRO 1
12-15	STAND BY BLACK
8-11	STAND BY
0-7	MACRO OFF

• PAN - channel 31

Operation with option InvertPan ↕ Off
(Tilt conventionally represented at 35 bit and option Invert Tilt ↕ Off)

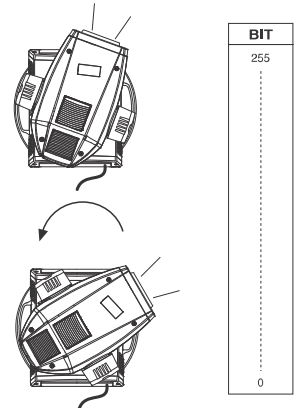| BIT |
|-----|
| 255 |
| 0 |

Operation with option InvertPan ↕ On
(Tilt conventionally represented at 35 bit and option Invert Tilt ↕ Off)
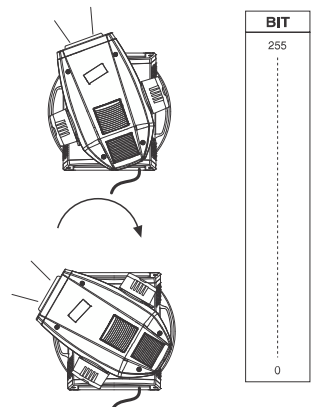
BIT
255
0
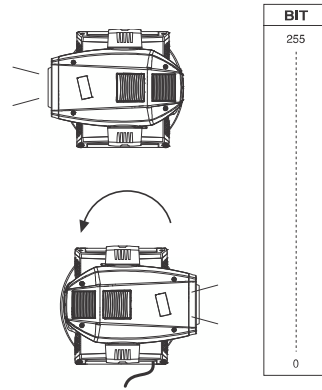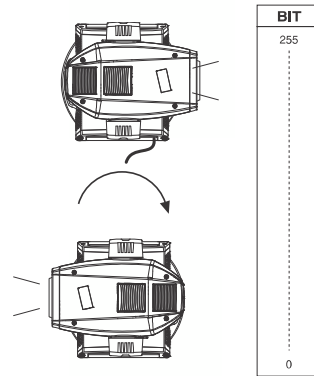
• PAN FINE - channel 32

Operation with option InvertPan ↕ Off
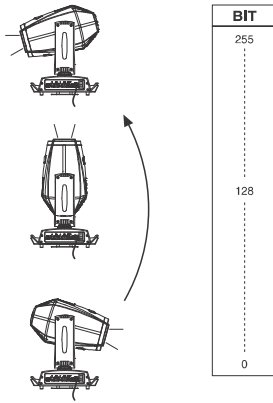*(Tilt conventionally represented at 35 bit and option Invert Tilt ↕ Off)*

BIT
255
0

Operation with option InvertPan ↕ On
(Tilt conventionally represented at 35 bit and option Invert Tilt ↕ Off)

BIT
255
0

• TILT - channel 33

Operation with option Invert Tilt ◊ Off
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)

BIT
255
128
0

Operation with option Invert Tilt ◊ On
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)
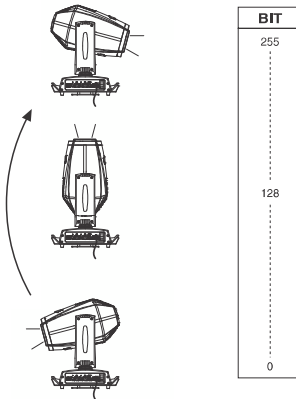

BIT
255
128
0

• TILT FINE - channel 34

Operation with option Invert Tilt ◊ Off
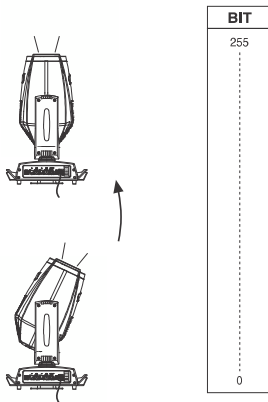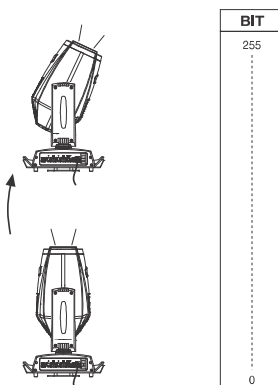*(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)*

BIT
255
0

Operation with option Invert Tilt ◊ On
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)

BIT
255
0

• FUNCTION - channel: 35

BIT	EFFECT
255	
⋮	UNUSED RANGE
63	
51-62	LINEAR (Default) ─┐
	├ DIMMER CURVE FUNCTION
38-50	CONVENTIONAL ─┘
0-37	UNUSED RANGE

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

• RESET - channel: 36

BIT	EFFECT
255	COMPLETE RESET
⋮	Complete reset is activated passing throug the unused range and staying 5 seconds in complete reset levels.
128	COMPLETE RESET
127	PAN / TILT RESET
	Pan / Tilt reset is activated passing throug the unused range and staying 5 seconds in Pan / Tilt reset levels.
77	PAN / TILT RESET
76	EFFECTS RESET
	Effects reset is activated passing throug the unused range and staying 5 seconds in Effects reset levels.
26	EFFECTS RESET
25	
⋮	UNUSED RANGE
0	

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

• LAMP CONTROL (only with option LAMP DMX On) - channel: 37

IMPORTANT: Alpha Profile 700 is not provided with hot restrike igniter
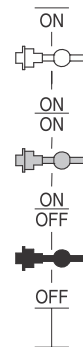
BIT	EFFECT
255	LAMP ON (FULL POWER)
	Lamp ignition after 5 s in full power levels.
	Immediate transition from half to full power.
180	LAMP ON (FULL POWER)
179	LAMP ON (HALF POWER)
	Immediate transition from full to half power. Lamp ignition not allowed in half power.
101	LAMP ON (HALF POWER)
100	LAMP OFF
	Lamp switch off passing throug the unused range and staying 5 s in Lamp OFF levels.
26	LAMP OFF
25	
0	UNUSED RANGE

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

TIMING CHANNELS

	Timing Channel	Channel function
38	Pan - Tilt time	Pan – Tilt – Pan Fine – Tilt Fine
39	Colour time	Cyan - Magenta - Yellow – C.T.O. – Color wheel
40	Beam time	Dimmer – Zoom – Focus – Frost - Prism – Iris
41	Gobo time	Rotating Gobo change - Framing - Framing rotation

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	24		130	41		173	58		217	170
2	0.4		45	9		88	25		131	41		174	58		218	180
3	0.6		46	9.2		89	25		132	42		175	59		219	180
4	0.8		47	9.4		90	25		133	42		176	59		220	180
5	1		48	9.6		91	26		134	43		177	59		221	190
6	1.2		49	9.8		92	26		135	43		178	60		222	190
7	1.4		50	10		93	27		136	43		179	60		223	200
8	1.6		51	10.2		94	27		137	44		180	65		224	200
9	1.8		52	10.4		95	27		138	44		181	65		225	200
10	2		53	10.6		96	28		139	45		182	70		226	210
11	2.2		54	11		97	28		140	45		183	70		227	210
12	2.4		55	11		98	28		141	45		184	70		228	210
13	2.6		56	12		99	29		142	46		185	75		229	220
14	2.8		57	12		100	29		143	46		186	75		230	220
15	3		58	13		101	30		144	47		187	75		231	230
16	3.2		59	13		102	30		145	47		188	80		232	230
17	3.4		60	13		103	30		146	47		189	80		233	230
18	3.6		61	14		104	31		147	48		190	85		234	240
19	3.8		62	14		105	31		148	48		191	85		235	240
20	4		63	15		106	32		149	49		192	85		236	250
21	4.2		64	15		107	32		150	49		193	90		237	250
22	4.4		65	16		108	32		151	49		194	90		238	250
23	4.6		66	16		109	33		152	50		195	95		239	260
24	4.8		67	16		110	33		153	50		196	95		240	260
25	5		68	17		111	34		154	51		197	95		241	270
26	5.2		69	17		112	34		155	51		198	100		242	270
27	5.4		70	18		113	34		156	51		199	100		243	270
28	5.6		71	18		114	35		157	52		200	110		244	280
29	5.8		72	18		115	35		158	52		201	110		245	280
30	6		73	19		116	36		159	53		202	110		246	290
31	6.2		74	19		117	36		160	53		203	120		247	290
32	6.4		75	20		118	36		161	53		204	120		248	290
33	6.6		76	20		119	37		162	54		205	120		249	300
34	6.8		77	20		120	37		163	54		206	130		250	300
35	7		78	21		121	38		164	54		207	130		251	310
36	7.2		79	21		122	38		165	55		208	140		252	310
37	7.4		80	21		123	38		166	55		209	140		253	310
38	7.6		81	22		124	39		167	56		210	140		254	
39	7.8		82	22		125	39		168	56		211	150		255	Follow cue Data
40	8		83	23		126	39		169	56		212	150			
41	8.2		84	23		127	40		170	57		213	150			
42	8.4		85	23		128	40		171	57		214	160			
												215	160			