# **CHANNEL FUNCTION**

# **ALPHA WASH 700**

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).

CHANNEL	CHANNEL MODE		
CHANNEL	STANDARD	VECTOR	
1	CYAN	CYAN	
2	MAGENTA	MAGENTA	
3	YELLOW	YELLOW	
4	сто	сто	
5	COLOUR WHEEL	COLOUR WHEEL	
6	STOP / STROBE	STOP / STROBE	
7	DIMMER	DIMMER	
8	DIMMER FINE	DIMMER FINE	
9	BEAM SHAPER INSERTION	BEAM SHAPER INSERTION	
10	BEAM SHAPER ROTATION	BEAM SHAPER ROTATION	
11	ZOOM	ZOOM	
12	PAN	PAN	
13	PAN FINE	PAN FINE	
14	TILT	TILT	
15	TILT FINE	TILT FINE	
16	FUNCTION	FUNCTION	
17	RESET	RESET	
18	LAMP CONTROL (with Option "Lamp Dmx" ON)	LAMP CONTROL (with Option "Lamp Dmx" ON)	
19		PAN - TILT TIME	
20		COLOUR TIME	
21		BEAM TIME	

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NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 128 bit - Tilt 128 bit) all the others channels stay at 0 bit.

#### • COLOUR MIXING - channel 1 - 2 - 3

Operation with option color mixing: RGB



BIT	EFFECT
255	COLOUR EXCLUDED
0	COLOUR INSERTED

**IMPORTANT:** The lamp dim to half power 1 second after all the 3 channels stay at 0 bit evel. 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

**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



ВІТ	EFFECT
255	FILTER INSERTED
0	FILTER EXCLUDED

## • COLOUR WHEEL - channel 5



BIT	EFFECT
255	FAST ROTATION (160 rpm)
128 127 120 110 1105 90 82 75 67 66 60 52 45 37 30 22 15 8	SLOW ROTATION (0.2 rpm) BLUE - WHITE BLUE ORANGE + BLUE ORANGE + BLUE ORANGE + COPANGE AGUADARINE + ORANGE LAVENDER + AQUADARINE LAVENDER + COPENDER + AQUADARINE LIGHT GREEN + LAVENDER LIGHT GREEN CTB + GREEN + CTB RED + CTB RED + CTB WHITE + RED WHITE + RED

#### • STOP / STROBE - channel 6



BIT	EFFECT
252 - 255 239 - 251 226 - 238 213 - 225 208 - 212 207	OPEN RANDOM FAST STROBE RANDOM MEDIUM STROBE RANDOM SLOW STROBE OPEN FAST PULSATION
108 104 - 107 103	SLOW PULSATION OPEN FAST STROBE (12 flash/sec)
4 0 - 3	SLOW STROBE (1 flash/sec) 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 7



BIT	EFFECT
255	
0	

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

## • DIMMER FINE - channel 8



BIT	EFFECT
255	
0	

#### • BEAM SHAPER INSERTION - channel 9



BIT	EFFECT
170-255	SHAPER 2
85-169	SHAPER 1
0 - 84	WHITE

#### • BEAM SHAPER ROTATION - channel 10



Γ	BIT	EFFECT
Ī	255	FAST ROTATION (120 rpm)
	193 191 - 192 190	SLOW ROTATION (3 rph) STOP SLOW ROTATION (3 rph)
	 128 127	FAST ROTATION (120 rpm) POSITION 540°
	105	POSITION 450°
	84	POSITION 360°
	63	POSITION 270°
	42	POSITION 180°
	21	POSITION 90°
	0	POSITION 0°

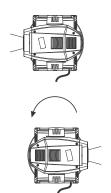
#### • ZOOM - channel 11



BIT	EFFECT
255	WIDE BEAM
0	NARROW BEAM

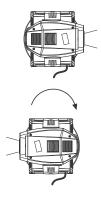
#### • PAN - channel 12

Operation with option InvertPan \$\hat{0}\$ Off (Tilt conventionally represented at 35 bit and option Invert Tilt \$\hat{0}\$ Off)





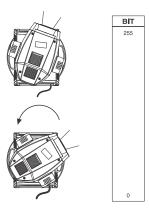
Operation with option InvertPan \$\hat{0}\$ On (Tilt conventionally represented at 35 bit and option Invert Tilt \$\hat{0}\$ Off)



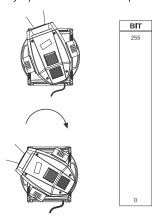


#### • PAN FINE - channel 13

Operation with option InvertPan  $\,\,\hat{\circ}\,$  Off (Tilt conventionally represented at 35 bit and option Invert Tilt  $\,\,\hat{\circ}\,$  Off)

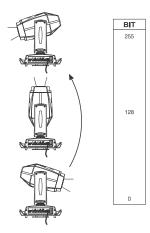


Operation with option InvertPan  $\,\,\hat{\circ}\,\,$  On (Tilt conventionally represented at 35 bit and option Invert Tilt  $\,\,\hat{\circ}\,\,$  Off)

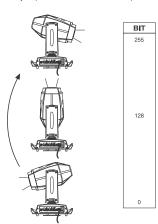


#### • TILT - channel 14

Operation with option Invert Tilt  $\,\,^{\lozenge}$  Off (Pan conventionally represented at 0 bit and option Invert Pan  $\,\,^{\lozenge}$  Off)

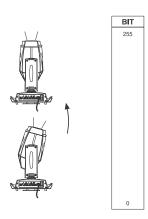


Operation with option Invert Tilt \$\hat{\circ}\$ On (Pan conventionally represented at 0 bit and option Invert Pan \$\hat{\circ}\$ Off)

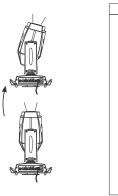


#### • TILT FINE - channel 15

Operation with option Invert Tilt  $\,\, \hat{\circ}\,\,$  Off (Pan conventionally represented at 0 bit and option Invert Pan  $\,\, \hat{\circ}\,\,$  Off)



Operation with option Invert Tilt  $\,\,\hat{\circ}\,\,$  On (Pan conventionally represented at 0 bit and option Invert Pan  $\,\,\hat{\circ}\,\,$  Off)



# **BIT** 255

#### • FUNCTION - channel: 16

BIT	EFFECT
255	UNUSED RANGE
52	
51	LINEAR (DEFAULT)DIMMER CURVE
39	CONVENTIONAL FUNCTION
26	NORMAL SPEEDPAN-TILT
13	FAST SPEED (DEFAULT) — FUNCTION
0-12	UNUSED RANGE

The functions are actived passing through the "unused range" and staying 5 seconds in necessary level  $\,$ 

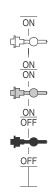
# • RESET - channel: 17

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

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

• LAMP CONTROL (only with option LAMP DMX On) - channel: 18

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



BIT EFFECT	
DII	EFFECT
255	LAMP ON (FULL POWER)
	Lamp ignition after 5 s in full power levels.
	Immediate transition from half to full power.
180 179	LAMP ON (FULL POWER) LAMP ON (HALF POWER)
179	Immediate transition from full to half power. Lamp ignition not allowed in half power.
101 100	LAMP ON (HALF POWER) 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 the "unused range" and staying 5 seconds in necessary level

# **TIMING CHANNELS**

	Timing Channel	Channel function
19	Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
20	Colour time	CMY - CTO - Colour wheel
21	Beam time	Dimmer - Zoom

#### **TIME TABLE**

BIT	Seconds
0	Full
1	0.2
2	0.4
3	0.6
4	0.8
5	1
6	1.2
7	1.4
8	1.6
9	1.8
10	2
11	2.2
12	2.4
13	2.6
14	2.8
15	3
16	3.2
17	3.4
18	3.6
19	3.8
20	4
21	4.2
22	4.4
23	4.6
24	4.8
25	5
26	5.2
27	5.4
28	5.6
29	5.8
30	6
31	6.2
32	6.4
33	6.6
34	6.8
35	7
36	7.2
37	7.4
	7.4
38	
39	7.8
40	8
41	8.2
42	8.4

BIT	Seconds
43	8.6
44	8.8
45	9
46	9.2
47	9.4
48	9.6
49	9.8
50	10
51	10.2
52	10.4
53	10.6
54	
55	11
56	
57	12
58	
59	13
60	
61	14
62	
63	
64	15
65	
66	16
67	'
68	
69	17
70	
71	18
72	
73	
74	19
75	
76	20
77	
78	
79	21
80	
81	
82	22
83	
84	22
04	23

85

BIT	Seconds
_86_	24
_87	
_88_	
_89_	25
90	
_91_	26
92	20
_93_	
_94_	27
95	
_96_	28
_97	
_98_	
_99_	29
100	
101	
102	30
103	
104	31
105	J1
106	
107	32
108	
109	32
110	33
111	
112	34
113	
114	25
115	35
116	
117	36
118	
119	07
120	37
121	
122	38
123	
124	
125	39
126	
127	40
128	40
0	

BIT	Seconds	
129		
130	41	
131		
132	40	
133	42	
134		
135	43	
136		
137	4.4	
138	44	
139		
140	45	
141		
142	40	
143	46	
144		
145	47	
146		
147	48	
148	40	
149		
150	49	
151		
152		
153	50	
154		
155	51	
156	J1	
157		
158	52	
159		
160	53	
161	- 55	
162		
163	54	
164		
165	55	
166		
167		
168	56	
169		
170	57	
171	37	

BIT	Seconds
172	
173	58
174	
175	
176	59
177	
178	60
179	60
180	
181	65
182	
183	70
184	70
185	
186	75
187	
188	80
189	
190	
191	85
192	
193	90
194	30
195	
196	95
197	
198	100
199	100
200	
201	110
202	
203	
204	120
205	
206	130
207	
208	
209	140
210	
211	150
212	
213	
214	160
215	

BIT	Seconds
216	170
217	170
218	
219	180
220	
221	100
222	190
223	
224	200
225	
226	
227	210
228	
229	000
230	220
231	
232	230
233	
234	0.40
235	240
236	
237	250
238	
239	000
240	260
241	
242	270
243	
244	000
245	280
246	
247	290
248	
249	000
250	300
251	
252	
253	310
254	
-	Follow cue
255	Data