

CHANNEL FUNCTION

ALPHA WASH 700

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	CTO	CTO
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

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%.

• C.T.O. - channel 4



BIT	%	EFFECT
255	100	FILTER INSERTED
0	0.0	FILTER EXCLUDED

• COLOUR WHEEL - channel 5



BIT	%	EFFECT
255	100	FAST ROTATION (160 rpm)
128	50.0	SLOW ROTATION (0.2 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	LAVENDER + AQUAMARINE
75	29.5	LAVENDER
67	26.2	LIGHT GREEN + LAVENDER
60	23.7	LIGHT GREEN
52	20.5	GREEN + LIGHT GREEN
45	17.5	GREEN
37	14.2	CTB + GREEN
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 6



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 7



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 8



BIT	%	EFFECT
255	100	
0	0.0	

• BEAM SHAPER INSERTION - channel 9



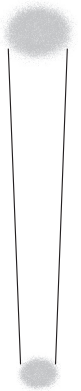
BIT	%	EFFECT
170-255	66.7-100	SHAPER 2
85-169	33.2-66.2	SHAPER 1
0 - 84	0.0 - 33.0	WHITE

• BEAM SHAPER ROTATION - channel 10



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°

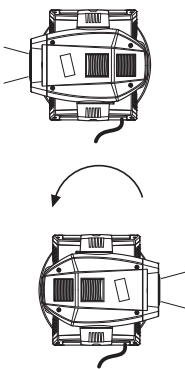
• ZOOM - channel 11



BIT	%	EFFECT
255	100	WIDE BEAM
0	0.0	NARROW BEAM

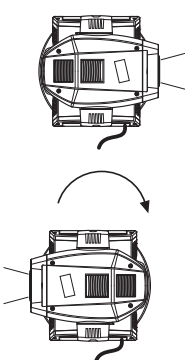
• PAN - channel 12

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



BIT	%
255	100
0	0.0

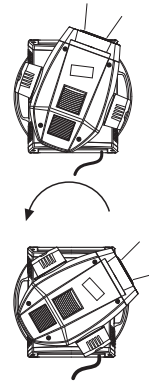
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



BIT	%
255	100
0	0.0

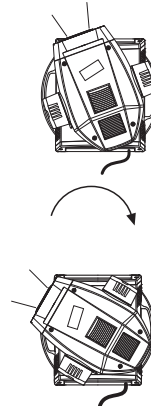
• PAN FINE - channel 13

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



BIT	%
255	100
0	0.0

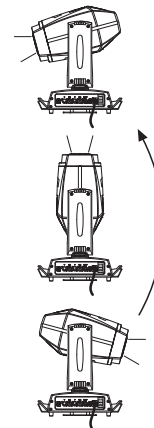
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



BIT	%
255	100
0	0.0

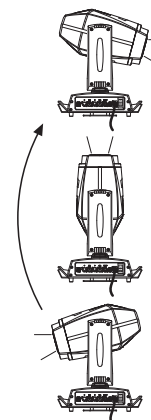
• TILT - channel 14

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

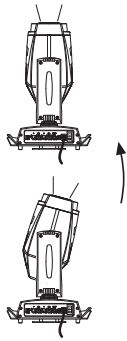
Operation with option Invert Tilt \diamond On
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)



BIT	%
255	100
128	50.0
0	0.0

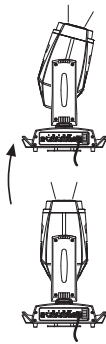
• **TILT FINE - channel 15**

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



BIT	%
255	100
...	...
0	0.0

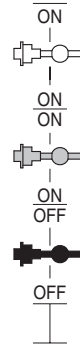
Operation with option *Invert Tilt* \diamond On
 (Pan conventionally represented at 0% and option *Invert Pan* \diamond Off)



BIT	%
255	100
...	...
0	0.0

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

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



BIT	%	EFFECT
255	100	LAMP ON (FULL POWER) Lamp ignition after 5 s in full power levels. Immediate transition from half to full power.
180	70.5	LAMP ON (FULL POWER)
179	70.0	LAMP ON (HALF POWER) Immediate transition from full to half power. Lamp ignition not allowed in 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	LAMP OFF
0	0.0	UNUSED RANGE

• **FUNCTION - channel: 16**

BIT	%	EFFECT	
255	100	UNUSED RANGE	
52	20.5		
51	20.0		LINEAR (DEFAULT) — DIMMER CURVE FUNCTION CONVENTIONAL — DIMMER CURVE FUNCTION
39	15.0		
26	10.0		NORMAL SPEED — PAN-TILT FUNCTION FAST SPEED (DEFAULT) — PAN-TILT FUNCTION
13	5.0		
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: 17**

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 PAN / TILT RESET Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels.
127	49.7	
77	30.0	PAN / TILT RESET EFFECTS RESET Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
76	29.7	
26	10.0	EFFECTS RESET
25	9.7	EFFECTS RESET
0	0.0	UNUSED RANGE

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