

## CHANNEL FUNCTION

### SHARPY WASH 330

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	DMX Modality	
	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	BEAM SHAPER INSERTION	BEAM SHAPER INSERTION
9	BEAM SHAPER ROTATION	BEAM SHAPER ROTATION
10	HEAVY FROST	HEAVY FROST
11	LIGHT FROST	LIGHT FROST
12	ZOOM	ZOOM
13	PAN	PAN
14	PAN FINE	PAN FINE
15	TILT	TILT
16	TILT FINE	TILT FINE
17	FUNCTION	FUNCTION
18	RESET	RESET
19	LAMP ON/OFF	LAMP ON/OFF
20		PAN - TILT TIME
21		COLOUR TIME
22		BEAM TIM

**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 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

**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.

• **COLOUR WHEEL - channel 4**



BIT	EFFECT
255	FAST ROTATION (RIGHT DIRECTION)
193	SLOW ROTATION (RIGHT DIRECTION)
191-192	STOP ROTATION
190	SLOW ROTATION (LEFT DIRECTION)
128	FAST ROTATION (LEFT DIRECTION)
123	BLUE + WHITE
118	BLUE
112	HALF MINUS GREEN + BLUE
107	HALF MINUS GREEN
102	TC 190 + HALF MINUS GREEN
96	TC 190
91	TC 260 + TC 190
86	TC 260
80	UV FILTER + TC260
75	UV FILTER
70	PINK + UV FILTER
64	PINK
59	LIGHT GREEN + PINK
54	LIGHT GREEN
48	GREEN + LIGHT GREEN
43	GREEN
38	AQUAMARINE + GREEN
32	AQUAMARINE
27	ORANGE + AQUAMARINE
22	ORANGE
16	RED + ORANGE
11	RED
6	WHITE + RED
0	WHITE

• **STOP / STROBE - channel 5**



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
4	SLOW STROBE
0 - 3	CLOSED

• **DIMMER - channel 6**



BIT	EFFECT
255	DIMMER OPEN
0	DIMMER CLOSED

• **DIMMER FINE - channel 7**



BIT	EFFECT
255	
0	

• **BEAM SHAPER INSERTION - channel 8**

BIT	EFFECT
255	BEAM SHAPER INSERTED
128	
127	
0	BEAM SHAPER EXCLUDED

• BEAM SHAPER ROTATION - channel 9



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

• HEAVY FROST - channel 10



BIT	EFFECT
255	FROST INSERTED
0	FROST EXCLUDED

• LIGHT FROST - channel 11



BIT	EFFECT
255	FROST INSERTED
0	FROST EXCLUDED

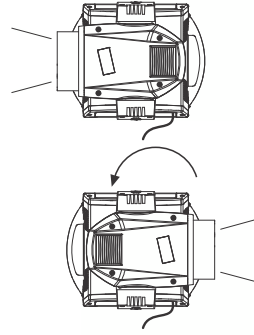
• ZOOM - channel 12



BIT	EFFECT
255	WIDE BEAM
0	NARROW BEAM

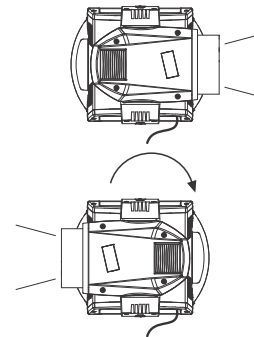
• PAN - channel 13

Operation with option InvertPan  $\diamond$  Off  
(Tilt conventionally represented at 35 bit and option Invert Tilt  $\diamond$  Off)



BIT
255
0

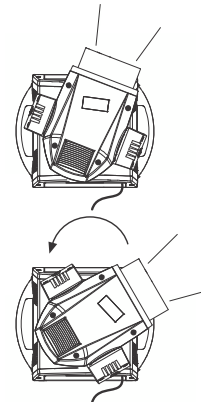
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 35 bit and option Invert Tilt  $\diamond$  Off)



BIT
255
0

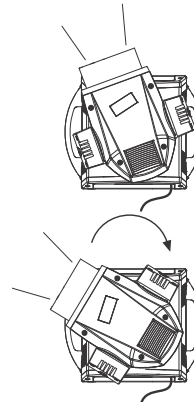
• PAN FINE - channel 14

Operation with option InvertPan  $\diamond$  Off  
(Tilt conventionally represented at 35 bit and option Invert Tilt  $\diamond$  Off)



BIT
255
0

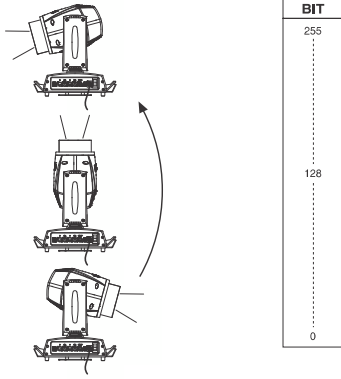
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 35 bit and option Invert Tilt  $\diamond$  Off)



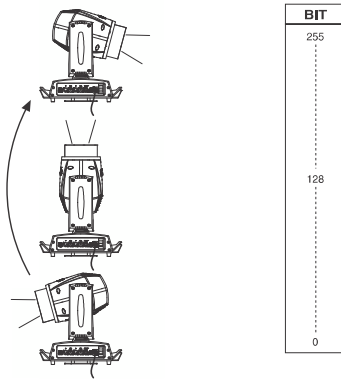
BIT
255
0

• **TILT - channel 15**

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

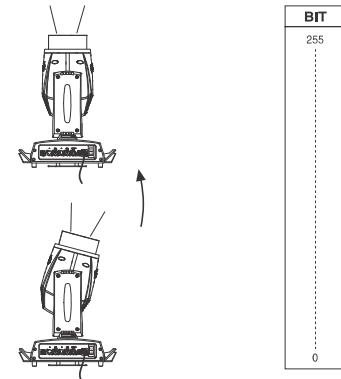


Operation with option *Invert Tilt*  $\diamond$  On  
 (Pan conventionally represented at 0 bit and option *Invert Pan*  $\diamond$  Off)

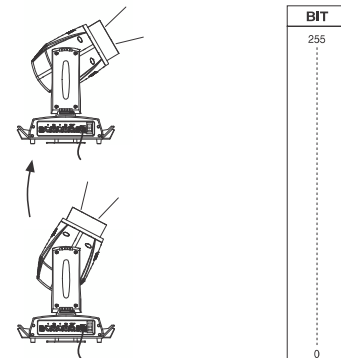


• **TILT FINE - channel 16**

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



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



• **FUNCTION - channel: 17**

BIT	EFFECT
255	UNUSED RANGE
115	
102-114	CMY shortcut OFF
88-101	CMY shortcut ON (default)
76-87	CMY CURVE FUNCTION
63-75	
51-62	DIMMER CURVE FUNCTION
38-50	
25-37	PAN-TILT FUNCTION
12-24	
0-11	UNUSED RANGE

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

• **RESET - channel: 18**

BIT	EFFECT
255	COMPLETE RESET
128	COMPLETE RESET PAN / TILT RESET
127	
77	PAN / TILT RESET EFFECTS RESET
76	
26	EFFECTS RESET
25	
0	UNUSED RANGE

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

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 19**

**IMPORTANT:** SHARPY is not provided with hot restrike ignition



BIT	EFFECT
255	LAMP ON
101	LAMP ON LAMP OFF
100	
26	LAMP OFF
25	
0	UNUSED RANGE

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

## TIMING CHANNELS

	Timing Channel	Channel function
20	Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
21	Colour time	Colour wheel - CTO
22	Beam time	Dimmer - Frost

## 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	59	220	
5	1	48	9.6	91	26	134	43	177	60	221	190
6	1.2	49	9.8	92		135	43	178	60	222	190
7	1.4	50	10	93	27	136	44	179	65	223	
8	1.6	51	10.2	94		137	44	180	65	224	200
9	1.8	52	10.4	95	28	138	45	181	70	225	
10	2	53	10.6	96		139	45	182	70	226	
11	2.2	54	11	97	29	140	46	183	75	227	210
12	2.4	55	12	98		141	46	184	75	228	
13	2.6	56	13	99	30	142	47	185	80	229	220
14	2.8	57	14	100		143	47	186	80	230	
15	3	58	15	101	31	144	48	187	85	231	
16	3.2	59	16	102		145	48	188	85	232	230
17	3.4	60	17	103	32	146	49	189	90	233	
18	3.6	61	18	104		147	49	190	90	234	240
19	3.8	62	19	105	33	148	50	191	95	235	
20	4	63	20	106		149	50	192	95	236	
21	4.2	64	21	107	34	150	51	193	100	237	250
22	4.4	65	22	108		151	51	194	100	238	
23	4.6	66	23	109	35	152	52	195	110	239	260
24	4.8	67	24	110		153	52	196	110	240	
25	5	68	25	111	36	154	53	197	110	241	
26	5.2	69	26	112		155	53	198	110	242	270
27	5.4	70	27	113	37	156	54	199	120	243	
28	5.6	71	28	114		157	54	200	120	244	280
29	5.8	72	29	115	38	158	55	201	120	245	
30	6	73	30	116		159	55	202	120	246	
31	6.2	74	31	117	39	160	56	203	130	247	290
32	6.4	75	32	118		161	56	204	130	248	
33	6.6	76	33	119	40	162	57	205	130	249	300
34	6.8	77	34	120		163	57	206	140	250	
35	7	78	35	121	41	164	58	207	140	251	
36	7.2	79	36	122		165	58	208	140	252	310
37	7.4	80	37	123	42	166	59	209	150	253	
38	7.6	81	38	124		167	59	210	150	254	
39	7.8	82	39	125	43	168	60	211	150		
40	8	83	40	126		169	60	212	160	255	Follow cue 01/13
41	8.2	84	41	127	44	170	61	213			
42	8.4	85	42	128		171	61	214			
								215			