

## CHANNEL FUNCTION

### SHARPY

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	COLOUR WHEEL	COLOUR WHEEL
2	STOP / STROBE	STOP / STROBE
3	DIMMER	DIMMER
4	STATIC GOBO CHANGE	STATIC GOBO CHANGE
5	PRISM INSERTION	PRISM INSERTION
6	PRISM ROTATION	PRISM ROTATION
7	EFFECTS MOVEMENT	EFFECTS MOVEMENT
8	FROST	FROST
9	FOCUS	FOCUS
10	PAN	PAN
11	PAN FINE	PAN FINE
12	TILT	TILT
13	TILT FINE	TILT FINE
14	FUNCTION	FUNCTION
15	RESET	RESET
16	LAMP CONTROL (with Option "Lamp Dmx" ON)	LAMP CONTROL (with Option "Lamp Dmx" ON)
17		PAN - TILT TIME
18		COLOUR TIME
19		BEAM TIME
20		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 WHEEL - channel 1

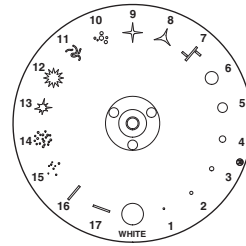


BIT	%	EFFECT
255	100	FAST ROTATION (160 rpm)
124	48.7	...
120	47.0	...
116	45.5	...
111	43.7	...
107	42.0	...
103	40.5	...
99	38.7	...
94	36.7	...
90	35.0	...
86	33.7	...
82	32.0	...
77	30.0	...
73	28.7	...
69	27.0	...
64	25.0	...
60	23.7	...
56	22.0	...
52	20.5	...
47	18.2	...
43	16.7	...
39	15.0	...
35	13.7	...
30	11.7	...
26	10.0	...
22	8.7	...
18	7.0	...
13	5.0	...
9	3.7	...
5	2.0	...
0	0.0	...
128	50.0	SLOW ROTATION (0.2 rpm)
124	48.7	BLUE + WHITE
120	47.0	BLUE
116	45.5	CTB 8000 + BLUE
111	43.7	CTB 8000
107	42.0	CTO 190 + CTB 8000
103	40.5	CTO 190
99	38.7	CTO 260 + CTO 190
94	36.7	CTO 260
90	35.0	CYAN + CTO 260
86	33.7	CYAN
82	32.0	MAGENTA + CYAN
77	30.0	MAGENTA
73	28.7	YELLOW + MAGENTA
69	27.0	YELLOW
64	25.0	PINK + YELLOW
60	23.7	PINK
56	22.0	LAVENDER + PINK
52	20.5	LAVENDER
47	18.2	LIGHT GREEN + LAVENDER
43	16.7	LIGHT GREEN
39	15.0	GREEN + LIGHT GREEN
35	13.7	GREEN
30	11.7	AQUAMARINE + GREEN
26	10.0	AQUAMARINE
22	8.7	ORANGE + AQUAMARINE
18	7.0	ORANGE
13	5.0	RED + ORANGE
9	3.7	RED
5	2.0	WHITE + RED
0	0.0	WHITE

• STATIC GOBO CHANGE - channel 4



BIT	%	EFFECT
255	100	GOBO 16 SHAKE FAST SPEED (600 bpm)
250	98.0	GOBO 16 SHAKE, SLOW SPEED (24 bpm)
249	97.5	GOBO 15 SHAKE FAST SPEED
244	95.5	GOBO 15 SHAKE, SLOW SPEED
243	95.0	GOBO 14 SHAKE FAST SPEED
237	93.0	GOBO 14 SHAKE, SLOW SPEED
236	92.5	GOBO 13 SHAKE FAST SPEED
231	90.5	GOBO 13 SHAKE, SLOW SPEED
230	90.0	GOBO 12 SHAKE FAST SPEED
224	88.0	GOBO 12 SHAKE, SLOW SPEED
223	87.5	GOBO 11 SHAKE FAST SPEED
218	85.5	GOBO 11 SHAKE, SLOW SPEED
217	85.0	GOBO 10 SHAKE FAST SPEED
212	83.2	GOBO 10 SHAKE, SLOW SPEED
211	83.0	GOBO 9 SHAKE FAST SPEED
205	80.5	GOBO 9 SHAKE, SLOW SPEED
204	80.0	GOBO 8 SHAKE FAST SPEED
199	78.0	GOBO 8 SHAKE, SLOW SPEED
198	77.5	GOBO 7 SHAKE FAST SPEED
192	75.0	GOBO 7 SHAKE, SLOW SPEED
191	74.7	GOBO 6 SHAKE FAST SPEED
186	73.0	GOBO 6 SHAKE, SLOW SPEED
185	72.5	GOBO 5 SHAKE FAST SPEED
180	70.5	GOBO 5 SHAKE, SLOW SPEED
179	70.0	GOBO 4 SHAKE FAST SPEED
173	68.0	GOBO 4 SHAKE, SLOW SPEED
172	67.5	GOBO 3 SHAKE FAST SPEED
167	65.5	GOBO 3 SHAKE, SLOW SPEED
166	65.0	GOBO 2 SHAKE FAST SPEED
160	63.0	GOBO 2 SHAKE, SLOW SPEED
159	62.5	FAST ROTATION (60 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 (60 rpm)
68-71	26.7-28.0	GOBO 17
64-67	25.0-26.2	GOBO 16
60-63	23.7-24.7	GOBO 15
56-59	22.0-23.2	GOBO 14
52-55	20.5-21.7	GOBO 13
48-51	18.7-20.0	GOBO 12
44-47	17.0-18.2	GOBO 11
40-43	15.5-16.7	GOBO 10
36-39	14.0-15.0	GOBO 9
32-35	12.5-13.7	GOBO 8
28-31	11.0-12.0	GOBO 7
24-27	9.5-10.5	GOBO 6
20-23	8.0-9.0	GOBO 5
16-19	6.2-7.5	GOBO 4
12-15	4.7-6.0	GOBO 3
8-11	3.2-4.2	GOBO 2
4-7	1.7-3.0	GOBO 1
0-3	0.0-1.2	WHITE



• STOP / STROBE - channel 2



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 (360 bpm)
108	42.5	SLOW PULSATION (30 bpm)
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

• PRISM INSERTION - channel 5

BIT	%	EFFECT
255	100	PRISM INSERTED 0%-100%: 0.36 sec
128	50.0	...
127	49.7	...
0	0.0	PRISM EXCLUDED

• DIMMER - channel 3



BIT	%	EFFECT
255	100	...
0	0.0	0%-100%: 0.02 sec

• PRISM ROTATION - channel 6



BIT	%	EFFECT
255	100	FAST ROTATION (43 rpm)
193	75.5	SLOW ROTATION (1.1 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (1.1 rph)
128	50.0	FAST ROTATION (43 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°

• EFFECTS MOVEMENT - channel 7

BIT	%	EFFECT
255	100	0%-100%: 0.33 sec
0	0.0	

• FROST - channel 8



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

0%-100%: 0.12 sec

• FOCUS - channel 9

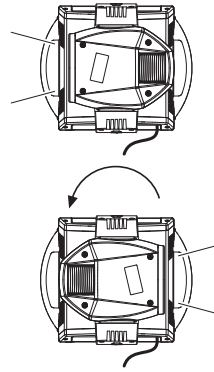


BIT	%	EFFECT
255	100	NEAR
0	0.0	DISTANT

0%-100%: 1.11 sec

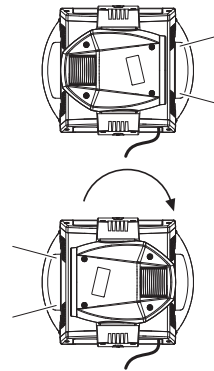
• PAN - channel 10

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



BIT	%
255	100
0	0.0

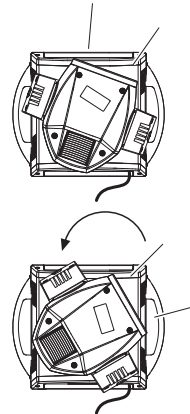
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



BIT	%
255	100
0	0.0

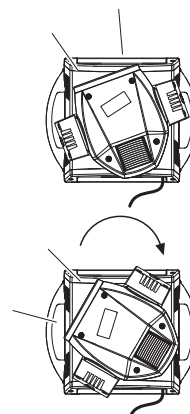
• PAN FINE - channel 11

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



BIT	%
255	100
0	0.0

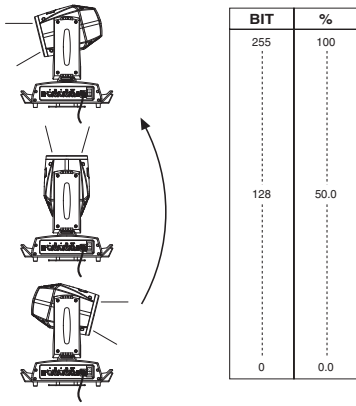
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



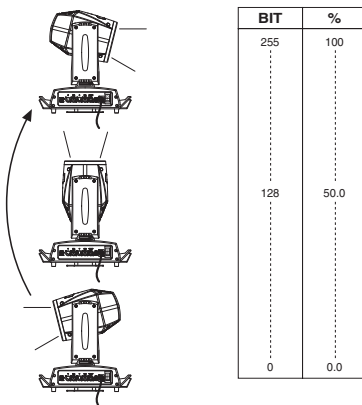
BIT	%
255	100
0	0.0

• **TILT - channel 12**

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

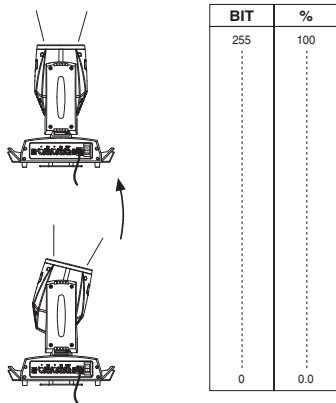


Operation with option Invert Tilt  $\diamond$  On  
(Pan conventionally represented at 0% and option Invert Pan  $\diamond$  Off)

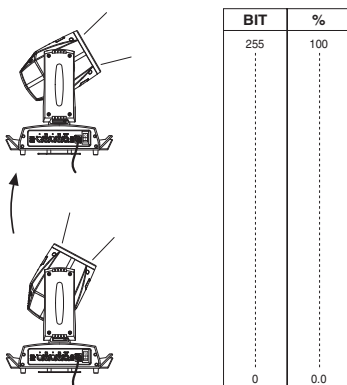


• **TILT FINE - channel 13**

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: 14**

BIT	%	EFFECT
255	100	UNUSED RANGE
63	24.7	
51-62	20.0-24.2	
38-50	14.7-19.5	LINEAR (Default) $\rightarrow$ DIMMER CURVE FUNCTION
25-37	9.7-14.2	CONVENTIONAL $\rightarrow$ DIMMER CURVE FUNCTION
12-24	4.7-9.5	NORMAL $\rightarrow$ PAN-TILT FUNCTION
0-11	0.0-4.2	FAST (Default) $\rightarrow$ PAN-TILT FUNCTION
		UNUSED RANGE

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

• **RESET - channel: 15**

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

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 16**

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



BIT	%	EFFECT
255	100	LAMP ON
		Lamp switch-on passing through the unused range and staying 5 sec in Lamp ON levels.
101	39.5	LAMP ON
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

## TIMING CHANNELS

	Timing Channel	Channel function
17	Pan - Tilt time	Pan - Tilt - (Pan fine - Tilt fine)
18	Colour time	Colour wheel
19	Beam time	Dimmer - Frost - Prism
20	Gobo time	Static Gobo

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