

channel	function	type of control	effect	decimal	percentage
1	Pan (X) movement,	proportional	control of the movement of the beam of light by proportional rotation of the pan motor of the fixture at the base	0 - 255	0% - 100%
2	Pan (X) movement, fine	proportional	fine control of the movement of the beam of light by proportional rotation of the pan motor of the fixture at the base	0 - 255	0% - 100%
3	Tilt (Y) movement,	proportional	control of the movement of the beam of light by proportional rotation of the tilt motor of the fixture at the yoke	0 - 255	0% - 100%
4	Tilt (Y) movement, fine	proportional	fine control of the movement of the beam of light by proportional rotation of the tilt motor of the fixture at the yoke	0 - 255	0% - 100%
5	movement "M" speed	step	standard	0 - 10	0% - 4%
		proportional	variable speed (slow to fast) "M Speed"	11 - 200	4% - 78%
		step	fast movement (ideal for rapid programming)	201 - 255	79% - 100%
6	dimmer	proportional	from closed to open	0 - 255	0% - 100%
7	Blackout, Strobe, zap effect (depending up level set on channel 32)	step	blackout closed (zap off)	0 - 9	0% - 4%
		proportional	synchronised strobing effect, from slow to fast	10 - 66	4% - 26%
		step	blackout open (zap off)	67 - 68	26% - 27%
		proportional	sequenced pulse effect, slow closing, fast opening (Speed variable from slow to fast)	69 - 125	27% - 49%
		step	blackout open (zap off)	126 - 127	49% - 50%
		proportional	sequenced pulse effect, fast closing, slow opening (Speed variable from fast to slow)	128 - 184	50% - 72%
		step	blackout open (zap off)	185 - 187	73% - 73%
		proportional	random strobe effect with variable speed from slow to fast	188 - 244	74% - 96%
step	blackout open (zap off)	245 - 255	96% - 100%		
8	iris diaphragm	step	open	0 - 9	0% - 4%
		proportional	maximum open to closed	10 - 255	4% - 100%
9	focus	proportional	focus	0 - 255	0% - 100%
10	zoom	proportional	zoom - wide to narrow	0 - 255	0% - 100%
11	effect wheel 1	step	no effect	0 - 5	0% - 2%
		step	wheel positioning in the beam	6 - 29	2% - 11%
		proportional	rotate effects wheel 0° - 360°	30 - 128	12% - 50%
		proportional	continuous clockwise variable speed rotation of effects wheel, maximum to minimum speed	129 - 190	51% - 75%
		step	no rotation	191 - 195	75% - 76%
		proportional	continuous counter-clockwise variable speed rotation of effects wheel, minimum to maximum speed	196 - 255	77% - 100%
12	effect wheel 2	step	no effect	0 - 5	0% - 2%
		step	wheel positioning in the beam	6 - 29	2% - 11%
		proportional	rotate effects wheel 0° - 360°	30 - 128	12% - 50%
		proportional	continuous clockwise variable speed rotation of effects wheel, maximum to minimum speed	129 - 190	51% - 75%
		step	no rotation	191 - 195	75% - 76%
		proportional	continuous counter-clockwise variable speed rotation of effects wheel, minimum to maximum speed	196 - 255	77% - 100%
Note: the overlapping of the animated effects wheels can be excluded by selecting on the display EFF ONE (hidden menu more + menu)					
11	selection of animated effects	step	no effect	0 - 9	0% - 4%
		step	positioning of first effects wheel	10 - 132	4% - 52%
		step	positioning of second effects wheel	133 - 255	52% - 100%
12	effects wheel rotation	step	no rotation	0 - 9	0% - 4%
		proportional	rotate effects wheel 0° - 360°	10 - 128	4% - 50%
		proportional	continuous clockwise variable speed rotation of effects wheel, maximum to minimum speed	129 - 190	51% - 75%
		step	no rotation	191 - 195	75% - 76%
		proportional	continuous counter-clockwise variable speed rotation of effects wheel, minimum to maximum speed	196 - 255	77% - 100%
13	effects group positioning	proportional	effects group positioning	0 - 255	0% - 100%
14	rotating gobo selection	step	no gobo	0 - 10	0% - 4%
		step	gobo 1	11 - 51	4% - 20%
		step	gobo 2	52 - 92	20% - 36%
		step	gobo 3	93 - 132	36% - 52%
		step	gobo 4	133 - 173	52% - 68%
		step	gobo 5	174 - 214	68% - 84%
		step	gobo 6	215 - 255	84% - 100%
15	indexing rotating gobos through	step	no effect	0 - 10	0% - 4%
		proportional	proportional positioning of the gobo through 360°	11 - 255	4% - 100%
NOTE 1: when channel 15 is set at a level of between 0 and 10, gobo rotation (channel 16) will not affect indexing. The					
16	gobo rotation	step	no effect	0 - 10	0% - 4%
		proportional	continuous rotation of the gobo in a clockwise direction with proportional control from maximum to minimum	11 - 131	4% - 51%
		step	gobo stop	132 - 134	52% - 53%
		proportional	continuous rotation of the gobo in an anti-clockwise direction with proportional control from maximum to minimum	135 - 255	53% - 100%

channel	function	type of control	effect	decimal	percentage
17	framing shutter 1	proportional	control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0 - 255	0% - 100%
18	framing shutter 1 angle	proportional	negative angle	0 - 120	0% - 47%
		proportional	parallel movement	121 - 130	47% - 51%
		proportional	positive angle	131 - 255	51% - 100%
19	framing shutter 2	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0 - 255	0% - 100%
20	framing shutter 2 angle	proportional	negative angle	0 - 120	0% - 47%
		proportional	parallel movement	121 - 130	47% - 51%
		proportional	positive angle	131 - 255	51% - 100%
21	framing shutter 3	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0 - 255	0% - 100%
22	framing shutter 3 angle	proportional	negative angle	0 - 120	0% - 47%
		proportional	parallel movement	121 - 130	47% - 51%
		proportional	positive angle	131 - 255	51% - 100%
23	framing shutter 4	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0 - 255	0% - 100%
24	framing shutter 4 angle	proportional	negative angle	0 - 120	0% - 47%
		proportional	parallel movement	121 - 130	47% - 51%
		proportional	positive angle	131 - 255	51% - 100%
25	framing assembly rotation	proportional	complete control over the rotation of the framing shutters	0 - 255	0% - 100%
26	prism selection and rotation	step	no prism	0 - 10	0% - 4%
		step	prism 1	11 - 20	4% - 8%
		proportional	continuous clockwise rotation of prism 1 with variable speed control from maximum to minimum	21 - 70	8% - 27%
		step	stop rotation of prism 1	71 - 74	28% - 29%
		proportional	continuous counter-clockwise rotation of prism 1 with variable speed control from minimum to maximum	75 - 119	29% - 47%
		step	stop rotation of prism 1	120 - 123	47% - 48%
		step	prism 2	124 - 132	49% - 52%
		proportional	continuous clockwise rotation of prism 2 with variable speed control from maximum to minimum	133 - 175	52% - 69%
		step	stop rotation of prism 2	176 - 180	69% - 71%
proportional	continuous counter-clockwise rotation of prism 2 with variable speed control from minimum to maximum	181 - 255	71% - 100%		
27	fixed color wheel color selection and rotation	step	no colour, white beam	0 - 5	0% - 2%
		step	colour 1	6 - 14	2% - 5%
		step	colour 2	15 - 22	6% - 9%
		step	colour 3	23 - 30	9% - 12%
		step	colour 4	31 - 38	12% - 15%
		step	colour 5	39 - 45	15% - 18%
		proportional	from color 5 to color 1 proportional positioning of the color wheel	46 - 127	18% - 50%
		proportional	rainbow effect, direction from color 1 to white rotation, maximum to minimum	128 - 191	50% - 75%
		proportional	rainbow effect, direction of rotation from white to color 1, minimum to maximum	192 - 255	75% - 100%
28	cyan	proportional	proportional control of cyan colour from 0 to 100%	0 - 255	0% - 100%
29	magenta	proportional	proportional control of magenta colour from 0 to 100%	0 - 255	0% - 100%
30	yellow	proportional	proportional control of yellow colour from 0 to 100%	0 - 255	0% - 100%
31	CTO	proportional	proportional control of the colour temperature (CTO) from 0 to 100%	0 - 255	0% - 100%
32	zap effect (varies effect of ch7 strobe)	step	no effect	0 - 10	0% - 4%
		step	zap effect with adjustable flicker, flashing speed and mode selection on channel 7, strobe	11 - 249	4% - 98%
		step	no effect	250 - 255	98% - 100%
33	lamp power control in conjunction with channel 34	proportional	adjust lamp power from minimum to maximum (~800W - 2000W) when channel 34 is between 121 - 195	0 - 255	0% - 100%
NOTE 1: the maximum and minimum achievable lamp power is adjustable via the display function MAX.P (max power)					
34	lamp on/off, all motors reset	step	park, no function	0 - 10	0% - 4%
		step	lamp off	11 - 32	4% - 13%
		step	pan and tilt reset (once only)	33 - 54	13% - 21%
		step	all motor reset except dimmer, pan and tilt (once only)	55 - 76	22% - 30%
		step	all motor reset except dimmer (once only)	77 - 98	30% - 38%
		step	reset of all the motors (once only)	99 - 120	39% - 47%
		step	lamp on, automated functions disabled	121 - 195	47% - 76%
		step	lamp on, lamp power adjustment auto-regulated	196 - 255	77% - 100%
Note 2: The display panel may be used to disable the switching off of the lamp via DMX					
Note 3: turning off the lamp and all the reset functions are delayed by 6 seconds to prevent accidental activation					
Note 4: the lamp on/off function can only be effected if an opposite level is set					
Projector: coemar iProfile Flex		Table name: DMX 512 functions			
Table number: 223		Edition: 0/2		Date: 21/06/03	