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 exept dimmer, pan and tilt (once only)	55	-	76				22%	-	30%
		step	all motor reset exept 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**