dmx channel	function	type of control	effect	decimal			percentage		
1	X axis, base movement (pan) coarse	proportional	proportional coarse control of the base motor movement	0	-	255	0%	-	100%
2	X axis, base movement (pan) fine	proportional	proportional fine control of the base motor movement	0	-	255	0%	-	100%
3	Y axis, yoke movement (tilt) coarse	proportional	proportional coarse control of the yoke motor movement	0	-	255	0%	-	100%
4	Y axis, yoke movement (tilt) fine	proportional	proportional fine control of the yoke motor movement	0	-	255	0%	-	100%
5	movement speed	step	standard (fast)	0	-	10	0%	-	4%
		step	ultra fast movement (best for programming positions)	11	-	25	4%	-	10%
		proportional	vector mode (from fast to slow)	26	-	127	10%	-	50%
		proportional	tracking mode (from fast to slow)	128	-	247	50%	-	97%
		step	tracking mode (slow)	248	-	255	97%	-	100%
6	dimmer	proportional	gradual adjustment of luminous intensity from 0 to 100%	0	-	255	0%	-	100%
7	shutter, strobe and zap effect	step	shutter closed (zap off)	0	-	9	0%	-	4%
		proportional	strobe effect with variable speed from slow to fast	10	-	66	4%	-	26%
		step	shutter open (zap off)	67	-	68	26%	-	27%
		proportional	sequenced pulse effect, slow closing, fast opening (with variable speed from slow to fast)	69	-	125	27%	-	49%
		step	shutter open (zap off)	126	-	127	49%	-	50%
		proportional	sequenced pulse effect, fast closing, slow opening (with variable speed from fast to slow)	128	-	184	50%	-	72%
		step	shutter open (zap off)	185	-	187	73%	-	73%
		proportional	random strobe effect, non-synchronised, variable speed from slow to fast	188	-	244	74%	-	96%
		step	shutter open (zap off)	245	-	255	96%	-	100%
8	zoom effect	proportional	proportional control of zoom effect wheel from narrow to wide beam (from 6° to 13°)	0	-	255	0%	-	100%
9	zoom	proportional	proportional control of zoom from narrow to wide beam (from 6° to 80°)	0	-	255	0%	-	100%
10	zoom shake	step	no effect	0	-	9	0%	-	4%
		proportional	zoom shake effect with variable speed from slow to fast	10	-	71	4%	-	28%
		proportional	zoom shake sequenced pulse effect, slow closing, fast opening (with variable speed from slow to fast)	72	-	133	28%	-	52%
		proportional	zoom shake sequenced pulse effect, fast closing, slow opening (with variable speed from fast to slow)	134	-	195	53%	-	76%
		proportional	zoom shake random strobe effect, non-synchronised, variable speed from slow to fast	196	-	255	77%	-	100%
11	selecting effects wheel + shake movement	step	no effect	0	-	9	0%	-	4%
			effect 1	10	-	39	4%	-	15%
			effect 2	40	-	69	16%	-	27%
			effect 3	70	-	99	27%	-	39%
			effect 4	100	-	128	39%	-	50%
		proportional	shake effect 4 (variable adjustment of oscillation angle from minimum to maximum)	129	-	160	51%	-	63%
			shake effect 3 (variable adjustment of oscillation angle from minimum to maximum)	161	-	192	63%	-	75%
			shake effect 2 (variable adjustment of oscillation angle from minimum to maximum)	193	-	224	76%	-	88%
			shake effect 1 (variable adjustment of oscillation angle from minimum to maximum)	225	-	255	88%	-	100%
12	indexing effect rotation through 360°	step	no effect	0	-	9	0%	-	4%
		proportional	proportional indexing of the effect through 360°	10	-	128	4%	-	50%
		proportional	continuous rotation of the effect in a counter-clockwise direction with proportional control over decreasing speed	129	-	188	51%	-	74%
		step	stop effect rotation	189	-	193	74%	-	76%
		proportional	continuous rotation of the effect in a clockwise direction with proportional control over increasing speed	194	-	255	76%	-	100%

dmx channel	function	type of control	effect	decimal			percentage		
13	selecting colors from the color wheel	step	no colour, white beam	0	-	5	0%	-	2%
			color 1	6	-	14	2%	-	5%
			color 2	15	-	22	6%	-	9%
			color 3	23	-	30	9%	-	12%
			color 4	31	-	38	12%	-	15%
			color 5	39	-	45	15%	-	18%
		proportional	from color 5 to colour 1, proportional positioning	46	-	127	18%	-	50%
			rainbow effect from fast to slow in an anticlockwise direction	128	-	190	50%	-	75%
			rainbow effect from slow to fast in a clockwise direction	191	-	255	75%	-	100%
14	cyan	proportional	proportional control of the percentage of cyan color in the light beam from 0 to 100%	0	-	255	0%	-	100%
15	cyan color saturation	proportional	saturation adjustment of cyan color tonality; from bright to dark	0	-	255	0%	-	100%
16	magenta	proportional	proportional control of the percentage of magenta color in the light beam from 0 to 100%	0	-	255	0%	-	100%
17	magenta color saturation	proportional	saturation adjustment of magenta color tonality; from bright to dark	0	-	255	0%	-	100%
18	yellow	proportional	proportional control of the percentage of yellow color in the light beam from 0 to 100%	0	-	255	0%	-	100%
19	CTO	proportional	proportional control of the percentage of CTO in the light beam from 6300°K to 3200°K	0	-	255	0%	-	100%
20	zap effect (effect varies depending upon channel 7 strobe)	step	no effect	0	-	10	0%	-	4%
			zap effect synchronised with the strobe effect, speed and mode selected by strobe channel 7	11	-	30	4%	-	12%
			zap effect, flicker and speed adjustable, speed and mode selected by strobe channel 7	31	-	249	12%	-	98%
			black-out of the light beam during PAN/TILT movement, colors wheel and effects wheel	250	-	255	98%	-	100%
21	lamp power control in conjunction with channel 22	proportional	lamp power adjustment from minimum to maximum (800W - 1400W) when channel 22 is between 171 - 195 dmx	0	-	255	0%	-	100%
22	lamp on/off and motors reset	step	park, no function	0	-	9	0%	-	4%
			lamp off	10	-	29	4%	-	11%
			pan and tilt reset (once only)	30	-	65	12%	-	25%
			all motor reset exept dimmer, pan and tilt (once only)	66	-	100	26%	-	39%
			all motor reset exept dimmer (once only)	101	-	135	40%	-	53%
			reset of all the motors (once only)	136	-	170	53%	-	67%
			lamp on, enabled power adjustment from 800W to 1400W	171	-	195	67%	-	76%
			lamp on, maximum power	171	-	255	67%	-	100%

Note 1: the display panel may be used to disable the switching off of the lamp via DMX

Note 2: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation

Note 3: the lamp on/off function can only be effected if an opposite level is set

Projector: coemar infinity Wash	**Table name: DMX 512 functions**	
Table number: 260	**Edition: 2**	**Date: 23/01/2007**