

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	proportional	proportional control of zoom from wide beam to narrow	0	- 255	0%	- 100%
9	cyan	proportional	proportional control of the percentage of cyan colour in the light beam from 0 to 100%	0	- 255	0%	- 100%
10	magenta	proportional	proportional control of the percentage of magenta colour in the light beam from 0 to 100%	0	- 255	0%	- 100%
11	yellow	proportional	proportional control of the percentage of yellow colour in the light beam from 0 to 100%	0	- 255	0%	- 100%
12	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	250	- 255	98%	- 100%
13	right lamp on/off	step	park, no function	0	- 10	0%	- 4%
			right lamp off	11	- 29	4%	- 11%
			park, no function	30	- 240	12%	- 94%
			right lamp on	241	- 255	95%	- 100%
14	both lamps on/off or left lamp on/off and motors reset	step	park, no function	0	- 10	0%	- 4%
			left lamp off or both lamps off	11	- 29	4%	- 11%
			pan and tilt reset (once only)	30	- 65	12%	- 25%
			reset of cmv and zoom motors (once only)	66	- 100	26%	- 39%
			reset all motors except dimmer (once only)	101	- 135	40%	- 53%
			reset all motors (once only)	136	- 170	53%	- 67%
			both lamps on (override ch 13)	171	- 249	67%	- 98%
left lamp on	250	- 255	98%	- 100%			
Note 1: the display panel may be used to disable the switching off of the lamp via DMX							
Note 2: turning off the lamps 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							
Note 4: turning on/off both lamps using channel 14 has the override on channel 13 if its values are inside the park zone							
Projector: coemar MiniCyc EB			Table name: DMX 512 functions				
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