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	smooth mode	248 - 255	97% - 100%
6	**dimmer**	proportional	gradual adjustment of luminous intensity from 0 to 100% (see channel 17)	0 - 255	0% - 100%
7	**strobe, shutter 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 zoom control from narrow 13° to wide beam 26° (2X) proportional zoom control from narrow 18° to wide beam 42° (3X)	0 - 255	0% - 100%
Note 1: zoom 2X / 3X is selectable from channel 9					
9	**zoom selection range**	step	zoom 2X	0 - 128	0% - 50%
			zoom 3X	129 - 255	51% - 100%
10	**no effect**	step	spare channel	0 - 0	0% - 0%
11	**effect wheel selection**	step	no effect	0 - 10	0% - 4%
			effect 1	11 - 92	4% - 36%
			effect 2	93 - 174	36% - 68%
			effect 3	175 - 255	69% - 100%
12	**indexing effect rotation through 360°**	step	no effect	0 - 10	0% - 4%
		proportional	proportional indexing of the effect through 360°	11 - 127	4% - 50%
		proportional	continuous rotation of the effect in a clockwise direction with proportional control over decreasing speed	128 - 190	50% - 75%
		step	stop effect rotation	191 - 192	75% - 75%
		proportional	continuous rotation of the effect in a counter-clockwise direction with proportional control over increasing speed	193 - 255	76% - 100%

dmx channel	function	type of control	effect	decimal	percentage
13	**colors selection from the color wheel**	step	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 white to white beam (color 1–2–3–4–5), proportional positions	46 - 127	18% - 50%
			rainbow effect from fast to slow in an counter-clockwise 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	**magenta**	proportional	proportional control of the percentage of magenta color in the light beam from 0 to 100%	0 - 255	0% - 100%
16	**yellow**	proportional	proportional control of the percentage of yellow color in the light beam from 0 to 100%	0 - 255	0% - 100%
17	**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%
17	**halogen dimmer curve** (effect varies depending upon channel 6 dimmer)	step	standard dimmer (mechanical)	0 - 10	0% - 4%
			the mechanical dimmer works in sync with the dimming of the lamp	11 - 30	4% - 12%
			the mechanical dimmer has no effect and is active only that the halogen lamp (variable color temperature)	31 - 249	12% - 98%
			black-out of the light beam during PAN/TILT movement, gobos wheel, colors wheel and effects wheel	250 - 255	98% - 100%
Note 2: when using halogen lamp, channel 17 allow the selection of the curve which can be a combination of the characteristic dimming lamp and/or mechanical dimmer					
18	**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 black out, pan and tilt (once only)	66 - 100	26% - 39%
			all motor reset exept black out (once only)	101 - 135	40% - 53%
			reset of all the motors (once only)	136 - 170	53% - 67%
			LCD display off	171 - 185	67% - 73%
			LCD display on	186 - 199	73% - 78%
			lamp on	200 - 255	78% - 100%
Note 3: the LCD panel may be used to disable the switching off of the lamp via DMX					
Note 4: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation					
Note 5: the lamp on/off function can only be effected if an opposite level is set					
Projector: ***InfinityWash M***		**Table name: DMX 512 functions**			
Table number: 294		**Edition: 3**	**Date: 20/06/2011**		