

dmx channel	function	type of control	effect	decimal		percentage	
				min	max	min	max
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	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 effect	proportional	proportional control of effect wheel zoom from narrow to wide beam	0	255	0%	100%
Note 1: zoom effect channel is active with effect wheel selection							
9	zoom	proportional	proportional control of zoom from narrow to wide beam	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%
			zoom shake sequenced pulse effect, fast closing, slow opening (with variable speed from slow to fast)	72	133	28%	52%
			zoom shake sequenced pulse effect, slow closing, fast opening (with variable speed from fast to slow)	134	195	53%	76%
			zoom shake random strobe effect, non-synchronised, variable speed from slow to fast	196	255	77%	100%
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%
		proportional	color 5	39 - 45	15% - 18%
			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%
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 except dimmer, pan and tilt (once only)	66 - 100	26% - 39%
			all motor reset except dimmer (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 2: the LCD panel may be used to disable the switching off of the lamp via DMX					
Note 3: turning off the lamp and all 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: InfinityWash S		Table name: DMX 512 functions			
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