

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%
8	zoom	proportional	proportional zoom control from narrow 13° to wide beam 26° (2X)	0 - 255	0% - 100%
			proportional zoom control from narrow 18° to wide beam 42° (3X)		
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%
12	indexing effect rotation through 360°	proportional	continuous rotation of the effect in a counter-clockwise direction with proportional control over increasing speed	193 - 255	76% - 100%
			continuous rotation of the effect in a clockwise direction with proportional control over increasing speed	193 - 255	76% - 100%

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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 except black out, pan and tilt (once only)	66	- 100	26%	- 39%
			all motor reset except 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: <i>InfinityWash M</i>		Table name: DMX 512 functions					
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