

Infinity Profile XL (eng)

channel		function	type of control	effect	decimal		percentage	
16 bit	8 bit							
1	1	X axis, base movement (pan) coarse	proportional	proportional coarse control of the base motor movement	0	- 255	0%	- 100%
2	2	X axis, base movement (pan) fine	proportional	proportional fine control of the base motor movement	0	- 255	0%	- 100%
3	3	Y axis, yoke movement (tilt) coarse	proportional	proportional coarse control of the yoke motor movement	0	- 255	0%	- 100%
4	4	Y axis, yoke movement (tilt) fine	proportional	proportional fine control of the yoke motor movement	0	- 255	0%	- 100%
5	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	6	dimmer	proportional	gradual adjustment of luminous intensity from 0 to 100%	0	- 255	0%	- 100%
7	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%
8	8	iris diaphragm (LIN-Linear)	step	open	0	- 9	0%	- 4%
			proportional	from maximum to minimum aperture	10	- 255	4%	- 100%
8	8	iris diaphragm (with internal PULS effect)	step	open	0	- 9	0%	- 4%
			proportional	from maximum to minimum aperture	10	- 124	4%	- 49%
			step	minimum diameter	125	- 129	49%	- 51%
			proportional	pulsing with proportional increase in speed	130	- 189	51%	- 74%
			step	open	190	- 192	75%	- 75%
proportional	pulse and flash effect with proportional increase in speed	193	- 255	76%	- 100%			
Note 1: the iris diaphragm operation will vary according to the selection made for IRIS on the display panel (linear LIN or with internal PULS effect)								
9	9	zoom	proportional	proportional control of zoom effect wheel from narrow to wide beam	0	- 255	0%	- 100%
10	10	focus	proportional	proportional control of focus	0	- 255	0%	- 100%
11	11	rotation gobo selection on wheel 1 (standard)	step	no gobo	0	- 10	0%	- 4%
				gobo 1	11	- 40	4%	- 16%
				gobo 2	41	- 70	16%	- 27%
				gobo 3	71	- 100	28%	- 39%
				gobo 4	101	- 130	40%	- 51%
				gobo 5	131	- 160	51%	- 63%
			gobo 6	161	- 192	63%	- 75%	
proportional	continuous rotation of the gobo wheel from slow to fast	193	- 255	76%	- 100%			
11	11	rotation gobo selection on wheel 1 (effect activated from channel 31/30)	step	no gobo	0	- 10	0%	- 4%
				proportional	from gobo 1 to gobo 6 through 360° gobo 1 (central value 36) gobo 2 (central value 62) gobo 3 (central value 88) gobo 4 (central value 114) gobo 5 (central value 140) gobo 6 (central value 166)	11	- 192	4%
			proportional	continuous rotation of the gobo wheel from slow to fast	193	- 255	76%	- 100%
Note 2: channel 11 will vary according to the selection made for channel 31 (16 bit) / 30 (8 bit)								
12	12	indexing gobo rotation on wheel 1 through 360°	step	no effect	0	- 10	0%	- 4%
			proportional	proportional indexing of the gobos through 360°	11	- 255	4%	- 100%
13		fine indexing of the gobos	proportional	fine indexing of the gobo (gobo wheel 1)	0	- 255	0%	- 100%
14	13	gobo rotation on wheel 1	step	no effect	0	- 10	0%	- 4%
			proportional	continuous rotation of the gobo in a clockwise direction with proportional control over decreasing speed	11	- 131	4%	- 51%
			step	gobo stop	132	- 134	52%	- 53%
			proportional	continuous rotation of the gobo in a counter-clockwise direction with proportional control over increasing speed	135	- 255	53%	- 100%
Note 3: when channel 12 is set to a level between 0 and 10, gobo rotation does not effect indexing, the gobo stops instantly								

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16 bit	8 bit							
15	14	gobo selection on wheel 2 (standard)	step	no gobo	0	- 10	0%	- 4%
				gobo 1	11	- 36	4%	- 14%
				gobo 2	37	- 62	15%	- 24%
				gobo 3	63	- 88	25%	- 35%
				gobo 4	89	- 114	35%	- 45%
				gobo 5	115	- 140	45%	- 55%
				gobo 6	141	- 166	55%	- 65%
			gobo 7	167	- 192	65%	- 75%	
proportional	continuous rotation of the gobo wheel from slow to fast	193	- 255	76%	- 100%			
15	14	gobo selection on wheel 2 (effect activated from channel 31/30)	step	no gobo	0	- 10	0%	- 4%
			proportional	from gobo 1 to gobo 6 through 360°	11	- 192	4%	- 75%
				gobo 1				
				gobo 2				
gobo 3								
gobo 4								
gobo 5								
gobo 6								
gobo 7								
proportional	continuous rotation of the gobo wheel from slow to fast	193	- 255	76%	- 100%			
Note 4: channel 15 (16bit) / 14 (8bit) will vary according to the selection made for channel 31 (16 bit) / 30 (8 bit)								
16	15	framing shutter 1	proportional	control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0	- 255	0%	- 100%
17	16	framing shutter 1 angle	proportional	negative angle	0	- 120	0%	- 47%
			proportional	parallel movement	121	- 135	47%	- 53%
			proportional	positive angle	136	- 255	53%	- 100%
18	17	framing shutter 2	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0	- 255	0%	- 100%
19	18	framing shutter 2 angle	proportional	negative angle	0	- 120	0%	- 47%
			proportional	parallel movement	121	- 135	47%	- 53%
			proportional	positive angle	136	- 255	53%	- 100%
20	19	framing shutter 3	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0	- 255	0%	- 100%
21	20	framing shutter 3 angle	proportional	negative angle	0	- 120	0%	- 47%
			proportional	parallel movement	121	- 135	47%	- 53%
			proportional	positive angle	136	- 255	53%	- 100%
22	21	framing shutter 4	proportional	proportional control over the insertion of the framing shutter from outside the beam to fully inserted into the beam	0	- 255	0%	- 100%
23	22	framing shutter 4 angle	proportional	negative angle	0	- 120	0%	- 47%
			proportional	parallel movement	121	- 135	47%	- 53%
			proportional	positive angle	136	- 255	53%	- 100%
24	23	framing assembly rotation	proportional	complete control over the rotation of the framing shutters	0	- 255	0%	- 100%

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channel		function	type of control	effect	decimal		percentage	
16 bit	8 bit							
25	24	colours selection from the colour wheel	step	no colour, white beam	0	- 5	0%	- 2%
				colour 1	6	- 14	2%	- 5%
				colour 2	15	- 22	6%	- 9%
				colour 3	23	- 30	9%	- 12%
				colour 4	31	- 38	12%	- 15%
			colour 5	39	- 45	15%	- 18%	
			proportional	from colour 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%			
26	25	cyan	proportional	proportional control of the percentage of cyan color in the light beam from 0 to 100%	0	- 255	0%	- 100%
27	26	magenta	proportional	proportional control of the percentage of magenta color in the light beam from 0 to 100%	0	- 255	0%	- 100%
28	27	yellow	proportional	proportional control of the percentage of yellow color in the light beam from 0 to 100%	0	- 255	0%	- 100%
29	28	CTO	proportional	proportional control of the percentage of CTO in the light beam from 6300°K to 3200°K	0	- 255	0%	- 100%
30	29	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%
31	30	gobo effect selection	step	no effect	0	- 10	0%	- 4%
				proportional movement of the gobo wheels through 360°	11	- 133	4%	- 52%
				proportional-stepmovement of the gobo wheels through 360°	134	- 255	53%	- 100%
32	31	lamp power control in conjunction with channel 33/32	proportional	lamp power adjustment from minimum to maximum (800W – 1500W) when channel 33/32 is between 171 – 195 dmx	0	- 255	0%	- 100%
33	32	lamp on/off and motors reset	step	park, no function	0	- 10	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, enabled power adjustment from 800W to 1500W	200	- 227	78%	- 89%
lamp on, maximum power	228	- 255	89%	- 100%				
Nota 5: the display panel may be used to disable the switching off of the lamp via DMX								
Nota 6: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation								
Nota 7: the lamp on/off function can only be effected if an opposite level is set								
Projector: InfinityProfile XL			Table name: DMX 512 functions					
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