![coemar Light Emotion logo]

Infinity Spot L
DMX chart (28ch eng)

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	x axis, yoke movement (pan coarse)	proportional	proportional coarse control of the yoke motor movement	0 - 255		0% - 100%	
4	x axis, yoke movement (pan coarse)	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	step	black-out	0 - 7		0% - 3%	
		proportional	gradual adjustment of luminous intensity from 0 to 100%	8 - 255		3% - 100%	
7	strobe and shutter	step	black-out	0 - 19		0% - 7%	
		step	shutter open	20 - 39		8% - 15%	
		step	black-out	40 - 59		16% - 23%	
		proportional	strobe effect with random pulse frequency	60 - 79		24% - 31%	
		step	strobe frequency 1 (1.0 flash/sec)	80 - 84		31% - 33%	
		step	strobe frequency 2 (1.5 flash/sec)	85 - 89		33% - 35%	
		step	strobe frequency 3 (2.0 flash/sec)	90 - 94		35% - 37%	
		step	strobe frequency 4 (2.5 flash/sec)	95 - 99		37% - 39%	
		step	strobe frequency 5 (3.0 flash/sec)	100 - 104		39% - 41%	
		step	strobe frequency 6 (4.0 flash/sec)	105 - 109		41% - 43%	
		step	strobe frequency 7 (5.0 flash/sec)	110 - 114		43% - 45%	
		step	strobe frequency 8 (6.0 flash/sec)	115 - 119		45% - 47%	
		step	strobe frequency 9 (7.0 flash/sec)	120 - 124		47% - 49%	
		step	strobe frequency 10 (8.0 flash/sec)	125 - 129		49% - 51%	
		step	strobe frequency 11 (9.0 flash/sec)	130 - 134		51% - 53%	
		step	strobe frequency 12 (10.0 flash/sec)	135 - 139		53% - 55%	
		step	sequenced pulse effect, slow closing, fast opening at speed 1	140 - 149		55% - 58%	
		step	sequenced pulse effect, slow closing, fast opening at speed 2	150 - 159		59% - 62%	
		step	sequenced pulse effect, slow closing, fast opening at speed 3	160 - 169		63% - 66%	
		step	sequenced pulse effect, slow closing, fast opening at speed 4	170 - 179		67% - 70%	
		step	sequenced pulse effect, fast closing, slow opening at seed 1	180 - 189		71% - 74%	
		step	sequenced pulse effect, fast closing, slow opening at seed 2	190 - 199		75% - 78%	
		step	sequenced pulse effect, fast closing, slow opening at seed 3	200 - 209		78% - 82%	
		step	sequenced pulse effect, fast closing, slow opening at seed 4	210 - 219		82% - 86%	
		step	momentary blacout during gobo and color changes	220 - 227		86% - 89%	
		step	momentary blacout during pan and tilt movements	228 - 233		89% - 91%	
		step	shutter open	234 - 255		92% - 100%	
8	color - full color (CH 9: 0 - 63)	step	color 1	0 - 42		0% - 16%	
		step	color 2	43 - 85		17% - 33%	
		step	color 3	86 - 128		34% - 50%	
		step	color 4	129 - 171		51% - 67%	
		step	color 5	172 - 214		67% - 84%	
		step	color 6	215 - 255		84% - 100%	
	color - half color (CH 9: 64 -127)	step	color 1	0 - 36		0% - 14%	
		step	color 1 - 2	37 - 73		15% - 29%	
		step	color 2 - 3	74 - 110		29% - 43%	
		step	color 3 - 4	111 - 147		44% - 58%	
		step	color 4 - 5	148 - 184		58% - 72%	
		step	color 5 - 6	185 - 221		73% - 87%	
		step	color 6 - 1	222 - 255		87% - 100%	
	color - proportional color (CH 9: 128 - 191)	step	no color	0 - 10		0% - 4%	
		proportional	proportional color	11 - 255		4% - 100%	
	color - rainbow (CH 9: 192 - 255)	step	no color	0 - 9		0% - 4%	
		proportional	left rotation from fast to slow	10 - 127		4% - 50%	
		step	stop	128 - 137		50% - 54%	
		proportional	left rotation from slow to fast	138 - 255		54% - 100%	

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channel	function	type of control	effect	decimal		percentage	
9	color mode	step	full color	0 - 63		0% - 25%	
			half color	64 - 127		25% - 50%	
		proportional	proportional color	128 - 191		50% - 75%	
		step	rainbow	192 - 255		75% - 100%	
10	cyan	proportional	proportional control of the percentage of cyan color in the light beam from 0 to 100%	0 - 255		0% - 100%	
11	magenta	proportional	proportional control of the percentage of magenta color in the light beam from 0 to 100%	0 - 255		0% - 100%	
12	yellow	proportional	proportional control of the percentage of yellow color in the light beam from 0 to 100%	0 - 255		0% - 100%	
13	speed CMY	step	no effect	0 - 7		0% - 3%	
		proportional	varable speed from fast to slow	8 - 255		3% - 100%	
14	macro CMY	step	no effect	0 - 9		0% - 4%	
			macro 1	10 - 14		4% - 5%	
			macro 2	15 - 19		6% - 7%	
			macro 3	20 - 24		8% - 9%	
			macro 4	25 - 29		10% - 11%	
			macro 5	30 - 34		12% - 13%	
			macro 6	35 - 39		14% - 15%	
			macro 7	40 - 44		16% - 17%	
			macro 8	45 - 49		18% - 19%	
			macro 9	50 - 54		20% - 21%	
			macro 10	55 - 59		22% - 23%	
			macro 11	60 - 64		24% - 25%	
			macro 12	65 - 69		25% - 27%	
			macro 13	70 - 74		27% - 29%	
			macro 14	75 - 79		29% - 31%	
			macro 15	80 - 84		31% - 33%	
			macro 16	85 - 89		33% - 35%	
			macro 17	90 - 94		35% - 37%	
			macro 18	95 - 99		37% - 39%	
			macro 19	100 - 104		39% - 41%	
			macro 20	105 - 109		41% - 43%	
			macro 21	110 - 114		43% - 45%	
			macro raimbow wait - 1	115 - 121		45% - 47%	
			macro raimbow wait - 2	122 - 128		48% - 50%	
			macro raimbow wait - 3	129 - 135		51% - 53%	
			macro raimbow wait - 4	136 - 142		53% - 56%	
			macro raimbow wait - 5	143 - 149		56% - 58%	
			macro raimbow wait - 6	150 - 156		59% - 61%	
			macro raimbow wait - 7	157 - 163		62% - 64%	
			macro raimbow wait - 8	164 - 170		64% - 67%	
			macro raimbow wait - 9	171 - 177		67% - 69%	
			macro raimbow wait - 10	178 - 185		70% - 73%	
			full colors raimbow wait - 1	186 - 192		73% - 75%	
			full colors raimbow wait - 2	193 - 199		76% - 78%	
			full colors raimbow wait - 3	200 - 206		78% - 81%	
			full colors raimbow wait - 4	207 - 213		81% - 84%	
			full colors raimbow wait - 5	214 - 220		84% - 86%	
			full colors raimbow wait - 6	221 - 227		87% - 89%	
			full colors raimbow wait - 7	228 - 234		89% - 92%	
			full colors raimbow wait - 8	235 - 241		92% - 95%	
			full colors raimbow wait - 9	242 - 248		95% - 97%	
			full colors raimbow wait - 10	249 - 255		98% - 100%	

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DMX chart (28ch eng)

channel	function	type of control	effect	decimal			percentage		
15	rotating gobos	step	open	0	-	25	0%	-	10%
			gobo 1	26	-	51	10%	-	20%
			gobo 2	52	-	77	20%	-	30%
			gobo 3	78	-	103	31%	-	40%
			gobo 4	104	-	129	41%	-	51%
			gobo 5	130	-	155	51%	-	61%
			gobo 6	156	-	181	61%	-	71%
			gobo 7	182	-	207	71%	-	81%
			wheel rotation speed 1 (slow)	208	-	213	82%	-	84%
			wheel rotation speed 2	214	-	219	84%	-	86%
			wheel rotation speed 3	220	-	225	86%	-	88%
			wheel rotation speed 4	226	-	231	89%	-	91%
			rwheel rotation speed 5	232	-	237	91%	-	93%
			wheel rotation speed 6	238	-	243	93%	-	95%
			wheel rotation speed 7	244	-	249	96%	-	98%
			wheel rotation speed 8 (fast)	250	-	255	98%	-	100%
16	gobo mode	step	gobo rotation mode	0	-	127	0%	-	50%
			gobo index mode	128	-	255	50%	-	100%
17	gobo mode rotation	step	stop	0	-	9	0%	-	4%
		proportional	left rotation (from fast to slow)	10	-	127	4%	-	50%
		step	stop	128	-	137	50%	-	54%
		proportional	right (from slow to fast)	138	-	255	54%	-	100%
17	gobo mode index	proportional	gobo index coarse	0	-	255	0%	-	100%
18	gobo index fine	proportional	gobo index fine	0	-	255	0%	-	100%
19	gobo shake effect	step	stop	0	-	9	0%	-	4%
			gobo shake R-L speed 1 (slow)	10	-	22	4%	-	9%
			gobo shake R-L speed 2	23	-	35	9%	-	14%
			gobo shake R-L speed 3	36	-	48	14%	-	19%
			gobo shake R-L speed 4	49	-	61	19%	-	24%
			gobo shake R-L speed 5	62	-	74	24%	-	29%
			gobo shake R-L speed 6	75	-	87	29%	-	34%
			gobo shake R-L speed 7	88	-	100	35%	-	39%
			gobo shake R-L speed 8	101	-	113	40%	-	44%
			gobo shake R-L speed 9 (fast)	114	-	126	45%	-	49%
			stop	127	-	138	50%	-	54%
			gobo shake L-R speed 1 (slow)	139	-	151	55%	-	59%
			gobo shake L-R speed 2	152	-	164	60%	-	64%
			gobo shake L-R speed 3	165	-	177	65%	-	69%
			gobo shake L-R speed 4	178	-	190	70%	-	75%
			gobo shake L-R speed 5	191	-	203	75%	-	80%
			gobo shake L-R speed 6	204	-	216	80%	-	85%
			gobo shake L-R speed 7	217	-	229	85%	-	90%
			gobo shake L-R speed 8	230	-	242	90%	-	95%
			gobo shake L-R speed 9 (fast)	243	-	255	95%	-	100%
20	fixed gobos	step	open	0	-	25	0%	-	10%
			gobo 1	26	-	51	10%	-	20%
			gobo 2	52	-	77	20%	-	30%
			gobo 3	78	-	103	31%	-	40%
			gobo 4	104	-	129	41%	-	51%
			gobo 5	130	-	155	51%	-	61%
			gobo 6	156	-	181	61%	-	71%
			gobo 7	182	-	207	71%	-	81%
			wheel rotation speed 1 (slow)	208	-	213	82%	-	84%
			wheel rotation speed 2	214	-	219	84%	-	86%
			wheel rotation speed 3	220	-	225	86%	-	88%
			wheel rotation speed 4	226	-	231	89%	-	91%
			wheel rotation speed 5	232	-	237	91%	-	93%
			wheel rotation speed 6	238	-	243	93%	-	95%
			wheel rotation speed 7 (fast)	244	-	255	96%	-	100%

channel	function	type of control	effect	decimal			percentage		
21	fixed gobo shake effect	step	stop	0	-	9	0%	-	4%
			gobo shake R-L speed 1 (slow)	10	-	22	4%	-	9%
			gobo shake R-L speed 2	23	-	35	9%	-	14%
			gobo shake R-L speed 3	36	-	48	14%	-	19%
			gobo shake R-L speed 4	49	-	61	19%	-	24%
			gobo shake R-L speed 5	62	-	74	24%	-	29%
			gobo shake R-L speed 6	75	-	87	29%	-	34%
			gobo shake R-L speed 7	88	-	100	35%	-	39%
			gobo shake R-L speed 8	101	-	113	40%	-	44%
			gobo shake R-L speed 9 (fast)	114	-	126	45%	-	49%
			stop	127	-	138	50%	-	54%
			gobo shake L-R speed 1 (slow)	139	-	151	55%	-	59%
			gobo shake L-R speed 2	152	-	164	60%	-	64%
			gobo shake L-R speed 3	165	-	177	65%	-	69%
			gobo shake L-R speed 4	178	-	190	70%	-	75%
			gobo shake L-R speed 5	191	-	203	75%	-	80%
			gobo shake L-R speed 6	204	-	216	80%	-	85%
			gobo shake L-R speed 7	217	-	229	85%	-	90%
			gobo shake L-R speed 8	230	-	242	90%	-	95%
			gobo shake L-R speed 9 (fast)	243	-	255	95%	-	100%
22	iris	step	open	0	-	9	0%	-	4%
		proportional	linear opening from max to min	10	-	246	4%	-	96%
		step	closed	247	-	255	97%	-	100%
23	macro iris	step	no effect	0	-	9	0%	-	4%
		proportional	iris pulsed effect at different speed from min to max	10	-	63	4%	-	25%
			iris pulse with flash closing from min to max	64	-	117	25%	-	46%
			iris pulse with flash closing from max to min	118	-	171	46%	-	67%
		step	spare	172	-	255	67%	-	100%
24	effects	step	no effect	0	-	9	0%	-	4%
		proportional	linear frost	10	-	127	4%	-	50%
		step	prism 1	128	-	191	50%	-	75%
			prism 2	192	-	255	75%	-	100%
25	effects rotation	step	stop	0	-	9	0%	-	4%
		proportional	clockwise rotation from fast to slow speed	10	-	127	4%	-	50%
		step	stop	128	-	137	50%	-	54%
		proportional	counterclockwise rotation from slow to fast speed	138	-	255	54%	-	100%
26	focus	proportional	linear control of the image focus	0	-	255	0%	-	100%
27	zoom	proportional	linear control of the beam zoom from large to narrow	0	-	255	0%	-	100%
28	lamp ON/OFF and motor reset	step	no effect	0	-	9	0%	-	4%
			lamp OFF (3 seconds)	10	-	60	4%	-	24%
			no effect	61	-	129	24%	-	51%
			lamp ON (3 seconds)	130	-	179	51%	-	70%
			no effect	180	-	200	71%	-	78%
			internal motor reset	201	-	239	79%	-	94%
			total reset	240	-	255	94%	-	100%

NOTE: Perform a motor reset after the lamp ignition to obtain the best motor alignment

Projector: Infinity Spot L	**Chart name: DMX 512 functions**
Table number: 341	**Edition: 0** **Date: 10/07/2015**