



INFINIMAT

DMX Profile Specification 1.0

Control Box Firmware V1.0

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Mode 1: CCT & RGB 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2000K- 10000K
3	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11-20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
4	0 - 255	0 - 100	CCT ↔RGB	Crossfade to Color
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 19	0 - 7	Strobe	NO Effect
	20 - 255	8 - 100		1Hz - 25Hz
Function Configuration (Defaults to OFF)				
9	0 - 63	0 - 25	Fan Mode	Smart
	64 - 127	26 - 50		High
	128 - 191	51 - 75		Medium
	192 - 255	76 - 100		Silent
10	0 - 63	0 - 25	Dimming Curve	Linear
	64 - 127	26 - 50		S - curve
	128 - 191	51 - 75		Exp
	192 - 255	76 - 100		Log

Mode 2: CCT 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2000K- 10000K
3	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11-20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green

4	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
5	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
6	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 3: CCT & HSI 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2000K- 10000K
3	0 - 10 11-20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 9 - 47 48 - 57 58 - 96 97 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
4	0 - 255	0 - 100	CCT ↔ HSI	Crossfade to Color
5	0 - 255	0 - 100	Hue	1 - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
9	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 4: RGBWW 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	Red	0 - 100%
3	0 - 255	0 - 100	Green	0 - 100%
4	0 - 255	0 - 100	Blue	0 - 100%
5	0 - 255	0 - 100	White	0 - 100%
6	0 - 255	0 - 100	Warm White	0 - 100%
7	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
9	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 5: Adv.HSI 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	Hue	1° - 360°
3	0 - 255	0 - 100	Saturation	0 - 100%
4	0 - 9 10 - 255	0 - 4 5 - 100	HSI Base CCT	6500 K 2000K- 10000K
5	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
6	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
7	0 - 63	0 - 25	Dimming	Linear

	64 - 127 128 - 191 192 - 255	26 - 50 51 - 75 76 - 100	Curve	S - curve Exp Log
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Mode 6: x,y 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	X Coordinate	0 - 0.8
3	0 - 255	0 - 100	Y Coordinate	0 - 0.8
4	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
5	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
6	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 7: Gel 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 127 128 - 255	0 - 50 51 - 100	CCT	3200K 5600K
3	0 - 29 30 - 59 60 - 255	0 - 12 13 - 24 25 - 100	Rosco / Lee	Rosco Lee Reserved
4	0 - 9 10-19 20 - 29 30 - 39	0 - 4 5 -8 45181 13 - 16	Series	R-Col.corr / L-Col.corr R-Cal color / L- Cal.Filter R-Storaro / L-600 Series R-Cinelux / L- Cosmetic

	40 - 49 50 - 255	17 - 20 21 - 100		R-reserved / L-700 Series Reserved
5	0 - 255	0 - 100	Category	See GEL Category Tables In Following Pages
6	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
7	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

GEL Category 1: Rosco – Color Correction			
Channel	Value	Gel Name	Number
5	0-1	Full CTB	3202
	2-3	3/4 CTB	3203
	4-5	1/2 CTB	3204
	6-7	1/3 CTB	3206
	8-9	1/4 CTB	3208
	10-11	1/8 CTB	3216
	12-13	Double CTB	3220
	14-15	Full CTO	3407
	16-17	3/4 CTO	3411
	18-19	1/2 CTO	3408
	20-21	1/4 CTO	3409
	22-23	1/8 CTO	3410
	24-25	Double CTO	3420

	26-27	Full CTS	3441
	28-29	1/2 CTS	3442
	30-31	1/4 CTS	3443
	32-33	1/8 CTS	3444
	34-35	Full Plusgreen	3304
	36-37	1/2 Plusgreen	3315
	38-39	1/4 Plusgreen	3316
	40-41	1/8 Plusgreen	3317
	42-43	Full Minusgreen	3308
	44-45	3/4 Minusgreen	3309
	46-47	1/2 Minusgreen	3313
	48-49	1/4 Minusgreen	3314
	50-51	1/8 Minusgreen	3318
	52-53	Fluorofilter	3310
	54-55	Industrial Vapor	3150
	56-57	Urban Vapor	3152
	58-59	Tough Y1	3107
	60-61	Tough MT 54	3134
	62-63	Tough MTY	3106
	64-65	Tough MT2	3102
	66-255	Reserved	

GEL Category 2: Rosco – CalColor			
Channel	Value	Gel Name	Number
5	0-1	15 Blue	4215
	2-3	30 Blue	4230
	4-5	60 Blue	4260
	6-7	90 Blue	4290
	8-9	7 Cyan	4307

	10-11	15 Cyan	4315
	12-13	30 Cyan	4330
	14-15	60 Cyan	4360
	16-17	90 Cyan	4390
	18-19	15 Green	4415
	20-21	30 Green	4430
	22-23	60 Green	4460
	24-25	90 Green	4490
	26-27	15 Yellow	4515
	28-29	30 Yellow	4530
	30-31	60 Yellow	4560
	32-33	90 Yellow	4590
	34-35	15 Red	4615
	36-37	30 Red	4630
	38-39	60 Red	4660
	40-41	90 Red	4690
	42-43	15 Magenta	4715
	44-45	30 Magenta	4730
	46-47	60 Magenta	4760
	48-49	90 Magenta	4790
	50-51	15 Pink	4815
	52-53	30 Pink	4830
	54-55	60 Pink	4860
	56-57	90 Pink	4890
	58-59	15 Lavender	4915
	60-61	30 Lavender	4930
	62-63	60 Lavender	4960
	64-65	90 Lavender	4990

	66-255	Reserved	
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GEL Category 3: Rosco – Storaro Selection			
Channel	Value	Gel Name	Number
5	0-1	VS Red	2001
	2-3	VS Orange	2002
	4-5	VS Yellow	2003
	6-7	VS Green	2004
	8-9	VS Cyan	2005
	10-11	VS Azure	2006
	12-13	VS Blue	2007
	14-15	VS Indigo	2008
	16-17	VS Violet	2009
	18-19	VS Magenta	2010
	20-255	Reserved	

GEL Category 4: Rosco – Cinelux			
Channel	Value	Gel Name	Number
5	0-1	Bastard Amber	02
	2-3	Pale Bastard Amber	302
	4-5	No Color Straw	06
	6-7	Pale Gold	08
	8-9	Daffodil	310
	10-11	Straw	12
	12-13	Light Amber	16
	14-15	Gallo Gold	316
	16-17	Light Flame	17
	18-19	Flame	18
	20-21	Mayan Sun	318

	22-23	Golden Amber	21
	24-25	Soft Golden Amber	321
	26-27	Orange	23
	28-29	Henna Sky	325
	30-31	Light Red	26
	32-33	No Color Pink	33
	34-35	Blush Pink	333
	36-37	Flesh Pink	34
	38-39	Pale Rose Pink	37
	40-41	Salmon	41
	42-43	Deep Salmon	42
	44-45	Middle Rose	44
	46-47	Light Rose Purple	47
	48-49	Surprise Pink	51
	50-51	No Color Blue	60
	52-53	Clearwater	360
	54-55	Booster Blue	62
	56-57	Tipton Blue	362
	58-59	Blue Bell	364
	60-61	Daylight Blue	65
	62-63	Tharon Delft Blue	365
	64-65	Cerulean Blue	375
	66-67	Bermuda Blue	376
	68-69	Green Blue	77
	70-71	Alice Blue	378
	72-73	Primary Blue	80
	74-75	Baldassari Blue	381
	76-77	Medium Blue	83

	78-79	Pale Yellow Green	87
	80-81	Light Green	88
	82-83	Moss Green	89
	84-85	Primary Green	91
	86-87	Turquoise	92
	88-89	Blue Green	93
	90-91	Chocolate	99
	92-255	Reserved	

GEL Category 1: LEE – Color Correction			
Channel	Value	Gel Name	Number
5	0-1	Double CTB	200
	2-3	Full CTB	201
	4-5	3/4 CTB	281
	6-7	1/2 CTB	202
	8-9	1/4 CTB	203
	10-11	1/8 CTB	218
	12-13	Double CTO	287
	14-15	Full CTO	204
	16-17	3/4 CTO	285
	18-19	1/2 CTO	205
	20-21	1/4 CTO	206
	22-23	1/8 CTO	223
	24-25	1 1/2 CTB	283
	26-27	1 1/2 CTO	286
	28-29	Full CTS	441
	30-31	1/2 CTS	442
	32-33	1/4 CTS	443
	34-35	1/8 CTS	444

	36-37	Full CTO + .3 ND	207
	38-39	Full CTO + .6 ND	208
	40-41	L.C.T. Yellow (Y1)	212
	42-43	White Flame Green	213
	44-45	LEE Fluorescent Green	219
	46-47	Super Correction L.C.T. Yellow	230
	48-49	Super Correction W.F. Green	232
	50-51	H.M.I. (to Tungsten)	236
	52-53	C.I.D. (to Tungsten)	237
	54-55	C.S.I. (to Tungsten)	238
	56-57	LEE Fluorescent 5700 Kelvin	241
	58-59	LEE Fluorescent 4300 Kelvin	242
	60-61	LEE Fluorescent 3600 Kelvin	243
	62-63	LEE Plus Green	244
	64-65	1/2 Plus Green	245
	66-67	1/4 Plus Green	246
	68-69	1/8 Plus Green	278
	70-71	LEE Minus Green	247
	72-73	1/2 Minus Green	248
	74-75	1/4 Minus Green	249
	76-77	1/8 Minus Green	279
	78-255	Reserved	

GEL Category 2: LEE – Color Filters			
Channel	Value	Gel Name	Number
5	2-3	Lavender Tint	003
	4-5	Medium Bastard Amber	004
	6-7	Pale Yellow	007
	8-9	Dark Salmon	008

	10-11	Pale Amber Gold	009
	12-13	Medium Yellow	010
	14-15	Straw Tint	013
	16-17	Surprise Peach	017
	18-19	Fire	019
	20-21	Medium Amber	020
	22-23	Gold Amber	021
	24-25	Dark Amber	022
	26-27	Scarlet	024
	28-29	Sunset Red	025
	30-31	Bright Red	026
	32-33	Light Pink	035
	34-35	Medium Pink	036
	36-37	Dark Magenta	046
	38-39	Rose Purple	048
	40-41	Light Lavender	052
	42-43	Paler Lavender	053
	44-45	Lavender	058
	46-47	Mist Blue	061
	48-49	Pale Blue	063
	50-51	Sky Blue	068
	52-53	Evening Blue	075
	54-55	Just Blue	079
	56-57	Deeper Blue	085
	58-59	Lime Green	088
	60-61	Moss Green	089
	62-63	Dark Yellow Green	090
	64-65	Spring Yellow	100

	66-67	Yellow	101
	68-69	Light Amber	102
	70-71	Straw	103
	72-73	Deep Amber	104
	74-75	Primary Red	106
	76-77	Light Rose	107
	78-79	English Rose	108
	80-81	Light Salmon	109
	82-83	Middle Rose	110
	84-85	Dark Pink	111
	86-87	Magenta	113
	88-89	Peacock Blue	115
	90-91	Steel Blue	117
	92-93	Light Blue	118
	94-95	Deep Blue	120
	96-97	LEE Green	121
	98-99	Fern Green	122
	100-101	Dark Green	124
	102-103	Smokey Pink	127
	104-105	Bright Pink	128
	106-107	Marine Blue	131
	108-109	Golden Amber	134
	110-111	Deep Golden Amber	135
	112-113	Pale Lavender	136
	114-115	Special Lavender	137
	116-117	Pale Green	138
	118-119	Summer Blue	140
	120-121	Pale Violet	142

122-123	Pale Navy Blue	143
124-125	No Color Blue	144
126-127	Apricot	147
128-129	Bright Rose	148
130-131	Gold Tint	151
132-133	Pale Gold	152
134-135	Pale Salmon	153
136-137	Pale Rose	154
138-139	Chocolate	156
140-141	Pink	157
142-143	No Color Straw	159
144-145	Slate Blue	161
146-147	Bastard Amber	162
148-149	Flame Red	164
150-151	Daylight Blue	165
152-153	Lilac Tint	169
154-155	Deep Lavender	170
156-157	Dark Steel Blue	174
158-159	Loving Amber	176
160-161	Dark Lavender	180
162-163	Light Red	182
164-165	Flesh Pink	192
166-167	Surprise Pink	194
168-169	Zenith Blue	195
170-171	True Blue	196
172-173	Alice Blue	197
174-175	Palace Blue	198
176-177	Regal Blue	199

	178-255	Reserved	
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GEL Category 3: LEE – 600 Series			
Channel	Value	Gel Name	Number
5	0-1	Arctic White	600
	2-3	Silver	601
	4-5	Platinum	602
	6-7	Moonlight White	603
	8-9	Full CT 85	604
	10-11	Industry Sodium	650
	12-13	HI Sodium	651
	14-15	Urban Sodium	652
	16-17	LO Sodium	653
	18-255	Reserved	

GEL Category 4: LEE – Cosmetic Filters			
Channel	Value	Gel Name	Number
5	0-1	Cosmetic Peach	184
	2-3	Cosmetic Silver Rose	186
	4-5	Cosmetic Rouge	187
	6-7	Cosmetic Highlight	188
	8-9	Cosmetic Silver Moss	189
	10-11	Cosmetic Aqua Blue	191
	12-13	Lily Frost	705
	14-15	Shanklin Frost	717
	16-17	Half Shanklin Frost	718
	18-19	Durham Daylight Frost	720
	20-21	Hampshire Rose	749
	22-23	Durham Frost	750

	24-25	Soft Amber Key 1	774
	26-27	Soft Amber Key 2	775
	28-29	Moroccan Frost	791
	30-31	Blue Diffusion	217
	32-33	Blue Frost	221
	34-35	Daylight Blue Frost	224
	36-255	Reserved	

GEL Category 5: LEE – 700 Series			
Channel	Value	Gel Name	Number
5	0-1	Perfect Lavender	700
	2-3	Provence	701
	4-5	Special Pale Lavender	702
	6-7	Cold Lavender	703
	8-9	Lily	704
	10-11	King Fals Lavender	706
	12-13	Cool Lavender	708
	14-15	Electric Lilac	709
	16-17	Spir Special Blue	710
	18-19	Cold Blue	711
	20-21	Bedford Blue	712
	22-23	Elysian Blue	714
	24-25	Cabana Blue	715
	26-27	Mikkel Blue	716
	28-29	Colour Wash Blue	719
	30-31	Berry Blue	721
	32-33	Virgin Blue	723
	34-35	Ocean Blue	724
	36-37	Old Steel Blue	725

	38-39	Steel Green	728
	40-41	Liberty Green	730
	42-43	Dirty Ice	731
	44-45	Damp Squib	733
	46-47	JAS Green	738
	48-49	Bram Brown	742
	50-51	Dirty White	744
	52-53	Brown	746
	54-55	Easy White	747
	56-57	Seedy Pink	748
	58-59	Wheat	763
	60-61	Sun Colour Straw	764
	62-63	LEE Yellow	765
	64-65	Cardbox Amber	773
	66-67	Nectarine	776
	68-69	Millenium Gold	778
	70-71	Bastard Pink	779
	72-73	Terry Red	781
	74-75	Blood Red	789
	76-77	Moroccan Pink	790
	78-79	Pretty n'Pink	794
	80-81	Magical Magenta	795
	82-255	Reserved	

Mode 8: Source 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 2	0 - 1	Source	Tungsten Bulb
	3 - 5	2 - 3		Incandescent

	6 - 8	4 - 5		Halogen
	9 - 11	6 - 7		Antique Bulb
	12 - 14	8 - 9		Warm Antique Bulb
	15 - 17	10 - 11		Christmas Lights
	18 - 20	12 - 13		Night Light
	21 - 23	14 - 15		Infrared Heat Lamp
	24 - 26	16 - 17		Grow Light
	27 - 29	18 - 19		CFL Soft White
	30 - 32	20 - 21		CFL Bright White
	33 - 35	22 - 23		CFL Cool White
	36 - 38	24 - 25		CFL Daylight
	39 - 41	26 - 27		Cool White 1
	42 - 44	28 - 29		Cool White 2
	45 - 47	30 - 31		Cool White 3
	48 - 50	32 - 33		Warm White
	51 - 53	34 - 35		CFL Blacklight
	54 - 56	36 - 37		HMI
	57 - 59	38 - 39		High Pressure Sodium
	60 - 62	40 - 41		Low Pressure Sodium
	63 - 65	42 - 43		Mercury Vapor
	66 - 68	44 - 45		Metal Halide
	69 - 71	46 - 47		Ceramic
	72 - 74	48 - 49		Carbon Arc
	75 - 77	50 - 51		Xenon
	78 - 80	52 - 53		Candle
	81 - 83	54 - 55		Gas Fire
	84 - 86	56 - 57		Sun Direct
	87 - 89	58 - 59		Sun Overcast
	90 - 92	60 - 61		Sun Blue Hour
	93 - 95	62 - 63		Mobile Phone
	96 - 98	64 - 65		Computer Monitor
	99 - 101	66 - 67		Electroluminescence
	102 - 104	68 - 69		Blow Torch
	105 - 107	70 - 71		Road Flare
	108 - 110	72 - 73		Amber Caution
	111 - 113	74 - 75		Green Traffic Light
	114 - 116	76 - 77		Yellow Traffic Light

	117 - 119 120 - 122 123 - 125 126 - 128 129 - 131 132 - 134 135 - 137 138 - 255	78 - 79 80 - 81 82 - 83 84 - 85 86 - 87 88 - 89 90 - 91 92 - 100		Red Traffic Light Blue Glow Stick Green Glow Stick Red Glow Stick Yellow Glow Stick Pink Glow Stick Violet Glow Stick Reserved
3	0 - 127 128 - 255	0 - 50 51 - 100	X Coordinate	0.0000 - +0.0050 0.0000 - -0.0050
4	0 - 127 128 - 255	0 - 50 51 - 100	Y Coordinate	0.0000 - +0.0050 0.0000 - -0.0050
5	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
6	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
7	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 9: FX 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 9	0 - 4	Lightning	Loop
	10 - 69	5 - 27		Trigger
	70 - 255	28 - 100		Stop
	0 - 69	0 - 27	Explosion	Trigger
	70 - 255	28 - 100		Stop
	0 - 69	0 - 27	Other Effects	Loop
	70 - 255	28 - 100		Stop
3	0 - 9	0 - 4	Effect Selection	Club Lights
	10 - 19	5 - 8		Paparazzi
	20 - 29	9 - 12		Lightning

	30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 119 120 - 129 130 - 139 140 - 149 150 - 255	13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 40 41 - 44 45 - 48 49 - 52 53 - 56 57 - 60 61 - 100		TV Candle Fire Strobe Explosion Faulty Bulb Pulsing Welding Cop Car Color Chase Party Lights Fireworks Reserved
4 - X	See FX Parameter Tables in Following Pages			
Function Configuration (Defaults to OFF)				
NA	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
NA	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

FX Parameter: Club Lights				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	No. of Colors	3
	10 - 19	5 - 8		6
	20 - 29	9 - 12		9
	30 - 39	13 - 16		12
	40 - 49	17 - 20		15
	50 - 59	21 - 24		18
	60 - 69	25 - 28		24
	70 - 79	29 - 32		36
	80 - 255	33 - 100		Reserved
5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3

	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Paparazzi				
Channel	Value	Percent	Function	
4	0 - 255	0 - 100	CCT	2000K - 10000K
5	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
6	245 - 255	97 - 100	Frequency	Full Plus Green
	0 - 9	0 - 4		1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Lightning				
Channel	Value	Percent	Function	
4	0 - 255	0 - 100	CCT	2000K - 10000K
5	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%

	245 - 255	97 - 100		Full Plus Green
6	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved
7	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved

FX Parameter: TV				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Natural
	20 - 29	9 - 12		Cooler
	30 - 255	13 - 100		Reserved
5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6

	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved

FX Parameter: Candle				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Natural
	20 - 29	9 - 12		Cooler
	30 - 255	12 - 100		Reserved
5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Fire				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Natural
	20 - 29	9 - 12		Cooler
	30 - 255	12 - 100		Reserved
5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7

	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Strobe				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
5	0 - 255	0 - 100	CCT	2000K - 10000K
6	0 -10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
7	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved
HSI				
5	0 - 255	0 - 100	HUE	1° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 255	0 - 100	Speed	1 - 10 - Random

GEL				
5	0 - 255	0 - 100	CCT	Refer to Mode: GEL
6	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
7	0 - 255	0 - 100	Series	Refer to Mode: GEL
8	0 - 255	0 - 100	Category	Refer to Mode: GEL
9	0 - 255	0 - 100	Speed	1 - 10 - Random
XY				
5	0 - 255	0 - 100	X coordinate	0 - 0.8
6	0 - 255	0 - 100	Y coordinate	0 - 0.8
7	0 - 255	0 - 100	Speed	1 - 10 - Random
Source				
5	0 - 255	0 - 100	Source	Refer to Mode: Source
6	0 - 255	0 - 100	Speed	1 - 10 - Random
RGB				
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 255	0 - 100	Speed	1 - 10 - Random

FX Parameter: Explosion				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
5	0 - 255	0 - 100	CCT	2000K - 10000K
6	0 -10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
7	0 - 9	0 - 4	Decay	1

	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved
HSI				
5	0 - 255	0 - 100	HUE	1° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 255	0 - 100	Decay	1 - 10
GEL				
5	0 - 255	0 - 100	CCT	Refer to Mode: GEL
6	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
7	0 - 255	0 - 100	Series	Refer to Mode: GEL
8	0 - 255	0 - 100	Category	Refer to Mode: GEL
9	0 - 255	0 - 100	Decay	1 - 10
XY				
5	0 - 255	0 - 100	X coordinate	0 - 0.8
6	0 - 255	0 - 100	Y coordinate	0 - 0.8
7	0 - 255	0 - 100	Decay	1 - 10
Source				
5	0 - 255	0 - 100	Source	Refer to Mode: Source
6	0 - 255	0 - 100	Decay	1 - 10
RGB				
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 255	0 - 100	Decay	1 - 10

FX Parameter: Faulty Bulb				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI

	20 - 29 30 - 39 40 - 49 50 - 59 60 - 255	9 - 12 13 - 16 17 - 20 21 - 24 25 - 100		Gel X.Y Source RGB Reserved
CCT				
5	0 - 255	0 - 100	CCT	2000K - 10000K
6	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 9 - 47 48 - 57 58 - 96 97 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
7	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 40 41 - 44 45 - 100	Frequency	1 2 3 4 5 6 7 8 9 10 Random Reserved
8	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 40 41 - 100	Speed	1 2 3 4 5 6 7 8 9 10 Reserved
HSI				
5	0 - 255	0 - 100	HUE	1° - 360°

6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
GEL				
5	0 - 255	0 - 100	CCT	Refer to Mode: GEL
6	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
7	0 - 255	0 - 100	Series	Refer to Mode: GEL
8	0 - 255	0 - 100	Category	Refer to Mode: GEL
9	0 - 255	0 - 100	Frequency	1 - 10 - Random
10	0 - 255	0 - 100	Speed	1 - 10
XY				
5	0 - 255	0 - 100	X coordinate	0 - 0.8
6	0 - 255	0 - 100	Y coordinate	0 - 0.8
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
Source				
5			Source	Refer to Mode: Source
6	0 - 255	0 - 100	Frequency	1 - 10 - Random
7	0 - 255	0 - 100	Speed	1 - 10
RGB				
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 255	0 - 100	Frequency	1 - 10 - Random
9	0 - 255	0 - 100	Speed	1 - 10

FX Parameter: Pulsing				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
5	0 - 255	0 - 100	CCT	2000K - 10000K

6	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
HSI				
5	0 - 255	0 - 100	HUE	1° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
GEL				
5	0 - 255	0 - 100	CCT	Refer to Mode: GEL
6	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
7	0 - 255	0 - 100	Series	Refer to Mode: GEL
8	0 - 255	0 - 100	Category	Refer to Mode: GEL
9	0 - 255	0 - 100	Frequency	1 - 10 - Random
10	0 - 255	0 - 100	Speed	1 - 10
XY				
5	0 - 255	0 - 100	X coordinate	0 - 0.8
6	0 - 255	0 - 100	Y coordinate	0 - 0.8
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
Source				
5	0 - 255	0 - 100	Source	Refer to Mode: Source
6	0 - 255	0 - 100	Frequency	1 - 10 - Random
7	0 - 255	0 - 100	Speed	1 - 10
RGB				
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 255	0 - 100	Frequency	1 - 10 - Random
9	0 - 255	0 - 100	Speed	1 - 10

FX Parameter: Welding

Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
5	0 - 255	0 - 100	CCT	2000K - 10000K
6	0 -10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Min Brightness	0 - 75%
HSI				
5	0 - 255	0 - 100	HUE	1° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Min Brightness	0 - 75%
GEL				
5	0 - 255	0 - 100	CCT	Refer to Mode: GEL
6	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
7	0 - 255	0 - 100	Series	Refer to Mode: GEL
8	0 - 255	0 - 100	Category	Refer to Mode: GEL
9	0 - 255	0 - 100	Frequency	1 - 10 - Random
10	0 - 255	0 - 100	Min Brightness	0 - 75%
XY				
5	0 - 255	0 - 100	X coordinate	0 - 0.8
6	0 - 255	0 - 100	Y coordinate	0 - 0.8
7	0 - 255	0 - 100	Frequency	1 - 10 - Random

8	0 - 255	0 - 100	Min Brightness	0 - 75%
Source				
5	0 - 255	0 - 100	Source	Refer to Mode: Source
6	0 - 255	0 - 100	Frequency	1 - 10 - Random
7	0 - 255	0 - 100	Min Brightness	0 - 75%
RGB				
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
8	0 - 255	0 - 100	Frequency	1 - 10 - Random
9	0 - 255	0 - 100	Min Brightness	0 - 75%

FX Parameter: Cop Car				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Color Combinations	Red
	10 - 19	5 - 8		Blue
	20 - 29	9 - 12		Red+Blue
	30 - 39	13 - 16		Blue+White
	40 - 49	17 - 20		Red+Blue+White
	50 - 255	21 - 100		Reserved
5	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Color Chase				
Channel	Value	Percent	Function	
4	0 - 255	0 - 100	Saturation	0 - 100%

5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Party Lights				
Channel	Value	Percent	Function	
4	0 - 255	0 - 100	Saturation	0 - 100%
5	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter: Fireworks				
Channel	Value	Percent	Function	
4	0 - 9	0 - 4	Color Combinations	CCT
	10 - 19	5 - 8		HUE
	20 - 29	9 - 12		CCT+HUE
	30 - 255	13 - 100		Reserved
5	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5

	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved

Individual Light Engine Control

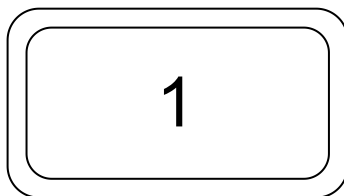
These DMX modes support the individual control of each light engine of a INFINIMAT. Individual light engine control supports the control of

- One (1) light engine of the INFINIMAT 1x2 ,
- Two (2) light engines of the INFINIMAT 1x4,
- Four (4) light engines of the INFINIMAT 2x4, INFINIMAT 4x4,
- Sixteen (16) light engines of the INFINIMAT 8x8.

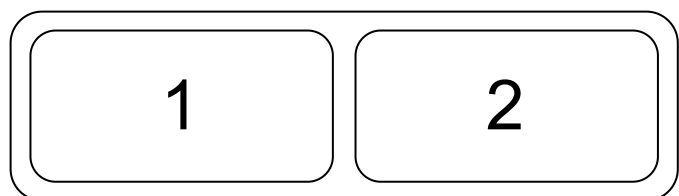
Each DMX protocol supports the DMX modes CCT & RGB, HSI and x, y coordinates for each light engine.

Light Engine Numbering

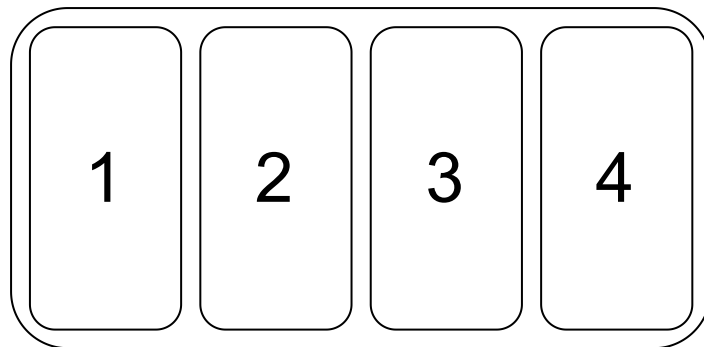
For individual light engine control via DMX each light engine is identified by a specific number. The following definition will be used (Light engine positions seen from the front):



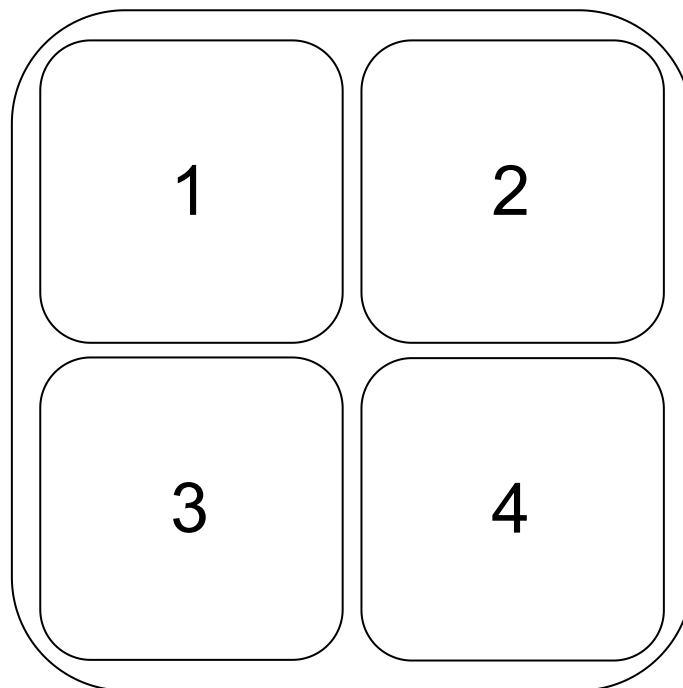
INFINIMAT 1x2



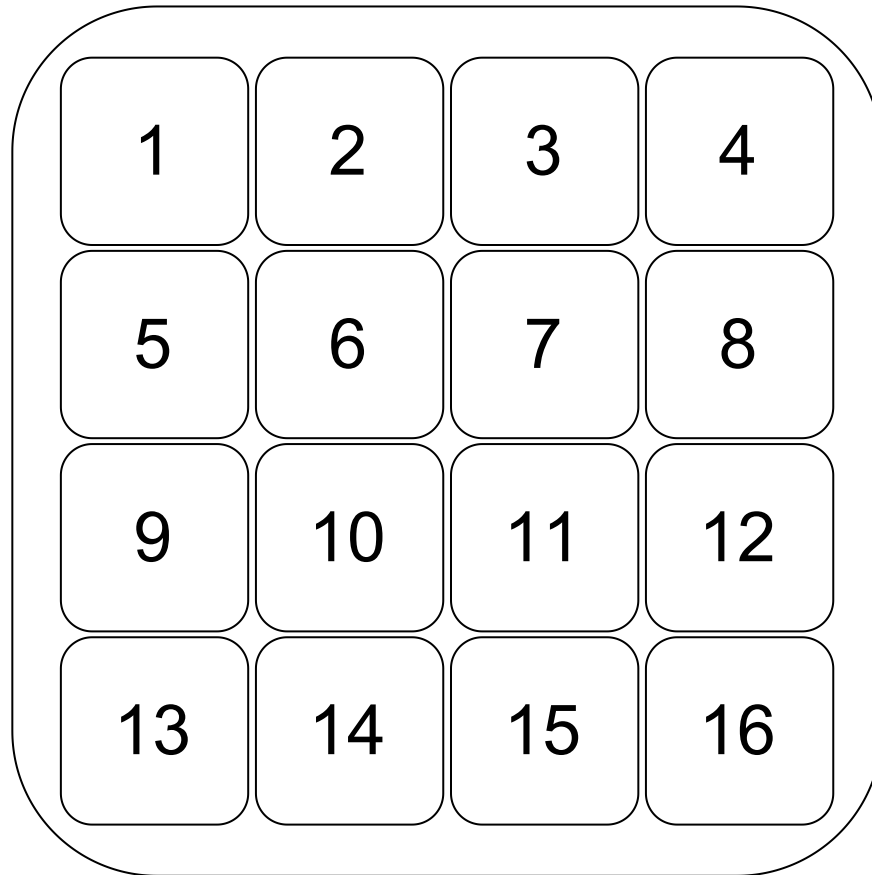
INFINIMAT 1x4



INFINIMAT 2x4



INFINIMAT 4x4



INFINIMAT 8x8

Mode 10: LE CCT&RGB 8-bit

Channel	Value	Percent	Function	
Light Engine 1				
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2000K- 10000K
3	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%

	245 - 255	97 - 100		Full Plus Green
4	0 - 255	0 - 100	CCT - RGB	Crossfade to Color
5	0 - 255	0 - 100	Red	0 - 100%
6	0 - 255	0 - 100	Green	0 - 100%
7	0 - 255	0 - 100	Blue	0 - 100%
Light Engine 2				
8	0 - 255	0 - 100	Intensity	0 - 100%
9	0 - 255	0 - 100	CCT	2000K- 10000K
10	0 - 10	0 - 4	Green / Magenta	Neutral / No Effect
	11 - 20	5 - 8		Full Minus Green
	21 - 119	9 - 47		-99% - -1%
	120 - 145	48 - 57		Neutral / No Effect
	146 - 244	58 - 96		1% - 99%
	245 - 255	97 - 100		Full Plus Green
11	0 - 255	0 - 100	CCT - RGB	Crossfade to Color
12	0 - 255	0 - 100	Red	0 - 100%
13	0 - 255	0 - 100	Green	0 - 100%
14	0 - 255	0 - 100	Blue	0 - 100%

*Each light Engine requires 7 channels under LE CCT & RGB.

*The feature Function Configuration is not available under LE Profile.

Mode 11: LE RGB 8-bit

Channel	Value	Percent	Function	
Light Engine 1				
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	Red	2000K- 10000K
3	0 - 255	0 - 100	Green	0 - 100%
4	0 - 255	0 - 100	Blue	0 - 100%
Light Engine 2				
5	0 - 255	0 - 100	Intensity	0 - 100%
6	0 - 255	0 - 100	Red	2000K- 10000K
7	0 - 255	0 - 100	Green	0 - 100%
8	0 - 255	0 - 100	Blue	0 - 100%

*Each light Engine requires 4 channels under LE RGB.

*The feature Function Configuration is not available under LE Profile.

Mode 12: LE HSI 8-bit

Channel	Value	Percent	Function	
Light Engine 1				
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	Hue	1° - 360°
3	0 - 255	0 - 100	Saturation	0 - 100%
Light Engine 2				
4	0 - 255	0 - 100	Intensity	0 - 100%
5	0 - 255	0 - 100	Hue	1° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100%

*Each light Engine requires 3 channels under LE HSI.

*The feature Function Configuration is not available under LE Profile.

Mode 13: LE x,y 8-bit

Channel	Value	Percent	Function	
Light Engine 1				
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	x Coordinate	0 - 0.8
3	0 - 255	0 - 100	y Coordinate	0 - 0.8
Light Engine 2				
4	0 - 255	0 - 100	Intensity	0 - 100%
5	0 - 255	0 - 100	x Coordinate	1° - 360°
6	0 - 255	0 - 100	y Coordinate	0 - 100%

*Each light Engine requires 3 channels under LE x,y.

*The feature Function Configuration is not available under LE Profile.

Mode 14: Ultimate 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 9	0 - 4	Lighting Mode Selection	CCT & RGB
	10 - 19	5 - 8		CCT
	20 - 29	9 - 12		CCT & HSI
	30 - 39	13 - 16		RGB
	40 - 49	17 - 20		HSI
	50 - 59	21 - 24		Gel

	60 - 69	25 - 28		x,y
	70 - 79	29 - 32		Source
	80 - 89	33 - 36		FX
	100 - 255	41 - 100		Reserved
See Lighting Mode Parameter Tables Above				

Mode 15: CCT&RGB 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	CCT	2000K- 10000K
5 - 6	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
7 - 8	0 - 65535	0 - 100	CCT ↔RGB	Crossfade to Color
9 - 10	0 - 65535	0 - 100	Red	0 - 100%
11 - 12	0 - 65535	0 - 100	Green	0 - 100%
13 - 14	0 - 65535	0 - 100	Blue	0 - 100%
15	0 - 19	0 - 7	Strobe	NO Effect
	20 - 255	8 - 100		1Hz - 25Hz
Function Configuration (Defaults to OFF)				
16	0 - 63	0 - 25	Fan Mode	Smart
	64 - 127	26 - 50		High
	128 - 191	51 - 75		Medium
	192 - 255	76 - 100		Silent
17	0 - 63	0 - 25	Dimming Curve	Linear
	64 - 127	26 - 50		S - curve
	128 - 191	51 - 75		Exp
	192 - 255	76 - 100		Log

Mode 16: CCT 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%

3 - 4	0 - 65535	0 - 100	CCT	2000K- 10000K
5 - 6	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
7	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
14	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
15	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 17: CCT & HSI 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	CCT	2000K- 10000K
5 - 6	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
7 - 8	0 - 65535	0 - 100	CCT ↔ HSI	Crossfade to Color
9 - 10	0 - 65535	0 - 100	Hue	0.1 - 360°
11 - 12	0 - 65535	0 - 100	Saturation	0 - 100%
13	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
14	0 - 63	0 - 25	Fan Mode	Smart

	64 - 127 128 - 191 192 - 255	26 - 50 51 - 75 76 - 100		High Medium Silent
15	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 18: RGB 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	Red	0 - 100%
5 - 6	0 - 65535	0 - 100	Green	0 - 100%
7 - 8	0 - 65535	0 - 100	Blue	0 - 100%
9 - 10	0 - 65535	0 - 100	White	0 - 100%
11 - 12	0 - 65535	0 - 100	Warm White	0 - 100%
13	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
14	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
15	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 19: Adv.HSI 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	Hue	0.1° - 360°
5 - 6	0 - 65535	0 - 100	Saturation	0 - 100%
7 - 8	0 - 2295 2296 - 65536	0 - 4 5 - 100	HSI Base CCT	6500 K 2000K- 10000K

9	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
10	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
11	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 20: x,y 16-bit

Channel	Value	Percent		Function
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	x Coordinate	0 - 0.8
5 - 6	0 - 65535	0 - 100	y Coordinate	0 - 0.8
7	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
9	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 21: Gel 16-bit

Channel	Value	Percent	Function	
1-2	0 - 65535	0 - 100	Intensity	0 - 100%
3	0 - 127 128 - 255	0 - 50 51 - 100	CCT	3200K 5600K

4	0 - 29 30 - 59 60 - 255	0 - 12 13 - 24 25 - 100	Rosco / Lee	Rosco Lee Reserved
5	0 - 9 10-19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 -8 45181 13 - 16 17 - 20 21 - 100	Series	R-Col.corr / L-Col.corr R-Cal color / L- Cal.Filter R-Storaro / L-600 Series R-Cinelux / L- Cosmetic R-reserved / L-700 Series Reserved
6	0 - 255	0 - 100	Category	See GEL Category Tables Mode 6: Gel
7	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
9	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 22: Source 16-bit

Channel	Value	Percent	Function	
1-2	0 - 65535	0 - 100	Intensity	0 - 100%
3	0 - 2 3 - 5 6 - 8 9 - 11 12 - 14 15 - 17 18 - 20	0 - 1 2 - 3 4 - 5 6 - 7 8 - 9 10 - 11 12 - 13	Source	Tungsten Bulb Incandescent Halogen Antique Bulb Warm Antique Bulb Christmas Lights Night Light

	21 - 23	14 - 15		Infrared Heat Lamp
	24 - 26	16 - 17		Grow Light
	27 - 29	18 - 19		CFL Soft White
	30 - 32	20 - 21		CFL Bright White
	33 - 35	22 - 23		CFL Cool White
	36 - 38	24 - 25		CFL Daylight
	39 - 41	26 - 27		Cool White 1
	42 - 44	28 - 29		Cool White 2
	45 - 47	30 - 31		Cool White 3
	48 - 50	32 - 33		Warm White
	51 - 53	34 - 35		CFL Blacklight
	54 - 56	36 - 37		HMI
	57 - 59	38 - 39		High Pressure Sodium
	60 - 62	40 - 41		Low Pressure Sodium
	63 - 65	42 - 43		Mercury Vapor
	66 - 68	44 - 45		Metal Halide
	69 - 71	46 - 47		Ceramic
	72 - 74	48 - 49		Carbon Arc
	75 - 77	50 - 51		Xenon
	78 - 80	52 - 53		Candle
	81 - 83	54 - 55		Gas Fire
	84 - 86	56 - 57		Sun Direct
	87 - 89	58 - 59		Sun Overcast
	90 - 92	60 - 61		Sun Blue Hour
	93 - 95	62 - 63		Mobile Phone
	96 - 98	64 - 65		Computer Monitor
	99 - 101	66 - 67		Electroluminescence
	102 - 104	68 - 69		Blow Torch
	105 - 107	70 - 71		Road Flare
	108 - 110	72 - 73		Amber Caution
	111 - 113	74 - 75		Green Traffic Light
	114 - 116	76 - 77		Yellow Traffic Light
	117 - 119	78 - 79		Red Traffic Light
	120 - 122	80 - 81		Blue Glow Stick
	123 - 125	82 - 83		Green Glow Stick
	126 - 128	84 - 85		Red Glow Stick
	129 - 131	86 - 87		Yellow Glow Stick

	132 - 134 135 - 137 138 - 255	88 - 89 90 - 91 92 - 100		Pink Glow Stick Violet Glow Stick Reserved
4	0 - 127 128 - 255	0 - 50 51 - 100	X Coordinate	0.0000 - +0.0050 0.0000 - -0.0050
5	0 - 127 128 - 255	0 - 50 51 - 100	Y Coordinate	0.0000 - +0.0050 0.0000 - -0.0050
6	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	NO Effect 1Hz - 25Hz
Function Configuration (Defaults to OFF)				
7	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
8	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

Mode 23: FX 16-bit

Channel	Value	Percent	Function	
1-2	0 - 65535	0 - 100	Intensity	0 - 100%
3	0 - 9	0 - 4	Lightning	Loop
	10 - 69	5 - 27		Trigger
	70 - 255	28 - 100	Explosion	Stop
	0 - 69	0 - 27		Trigger
	70 - 255	28 - 100	Other Effects	Stop
	0 - 69	0 - 27		Loop
4	70 - 255	28 - 100	Effect Selection	Stop
	0 - 9	0 - 4		Club Lights
	10 - 19	5 - 8		Paparazzi
	20 - 29	9 - 12		Lightning
	30 - 39	13 - 16		TV
	40 - 49	17 - 20		Candle
	50 - 59	21 - 24		Fire
	60 - 69	25 - 28		Strobe
	70 - 79	29 - 32		Explosion

	80 - 89 90 - 99 100 - 109 110 - 119 120 - 129 130 - 139 140 - 149 150 - 255	33 - 36 37 - 40 41 - 44 45 - 48 49 - 52 53 - 56 57 - 60 61 - 100		Faulty Bulb Pulsing Welding Cop Car Color Chase Party Lights Fireworks Reserved
5- X	See FX Parameter Tables in Following Pages			
Function Configuration (Defaults to OFF)				
NA	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Fan Mode	Smart High Medium Silent
NA	0 - 63 64 - 127 128 - 191 192 - 255	0 - 25 26 - 50 51 - 75 76 - 100	Dimming Curve	Linear S - curve Exp Log

FX Parameter:Club Lights				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	No. of Colors	3
	10 - 19	5 - 8		6
	20 - 29	9 - 12		9
	30 - 39	13 - 16		12
	40 - 49	17 - 20		15
	50 - 59	21 - 24		18
	60 - 69	25 - 28		24
	70 - 79	29 - 32		36
	80 - 255	33 - 100		Reserved
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8

	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Paparazzi				
Channel	Value	Percent	Function	
5 - 6	0 - 65535	0 - 100	CCT	2000K - 10000K
7 - 8	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
9	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Lightning				
Channel	Value	Percent	Function	
5 - 6	0 - 65535	0 - 100	CCT	2000K - 10000K
7 - 8	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
9	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4

	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved
10	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved

FX Parameter:TV				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Neutral
	20 - 29	9 - 12		Cooler
	30 - 255	13 - 100		Reserved
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random

	110 - 255	45 - 100		Reserved
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FX Parameter:Candle				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Neutral
	20 - 29	9 - 12		Cooler
	30 - 255	12 - 100		Reserved
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Fire				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	CCT Range	Warmer
	10 - 19	5 - 8		Neutral
	20 - 29	9 - 12		Cooler
	30 - 255	13 - 100		Reserved
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Strobe				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
6 - 7	0 - 65535	0 - 100	CCT	2000K - 10000K
8 - 9	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
10	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved
HSI				
6 - 7	0 - 65535	0 - 100	HUE	1° - 360°
8 - 9	0 - 65535	0 - 100	Saturation	0 - 100%
10	0 - 255	0 - 100	Speed	1 - 10 - Random
GEL				
6	0 - 255	0 - 100	CCT	Refer to Mode: GEL

7	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
8	0 - 255	0 - 100	Series	Refer to Mode: GEL
9	0 - 255	0 - 100	Category	Refer to Mode: GEL
10	0 - 255	0 - 100	Speed	1 - 10 - Random
XY				
6 - 7	0 - 65535	0 - 100	X coordinate	0 - 0.8
8 - 9	0 - 65535	0 - 100	Y coordinate	0 - 0.8
10	0 - 255	0 - 100	Speed	1 - 10 - Random
Source				
6	0 - 255	0 - 100	Source Matching	Refer to Mode: Source
7	0 - 255	0 - 100	Speed	1 - 10 - Random
RGB				
6 - 7	0 - 65535	0 - 100	Red	0 - 100%
8 - 9	0 - 65535	0 - 100	Green	0 - 100%
10 - 11	0 - 65535	0 - 100	Blue	0 - 100%
12	0 - 255	0 - 100	Speed	1 - 10 - Random

FX Parameter:Explosion				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
6 - 7	0 - 65535	0 - 100	CCT	2000K - 10000K
8 - 9	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
10	0 - 9	0 - 4	Decay	1
	10 - 19	5 - 8		2

	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved
HSI				
6 - 7	0 - 65535	0 - 100	HUE	1° - 360°
8 - 9	0 - 65535	0 - 100	Saturation	0 - 100%
10	0 - 255	0 - 100	Decay	1 - 10
GEL				
6	0 - 255	0 - 100	CCT	Refer to Mode: GEL
7	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
8	0 - 255	0 - 100	Series	Refer to Mode: GEL
9	0 - 255	0 - 100	Category	Refer to Mode: GEL
10	0 - 255	0 - 100	Decay	1 - 10
XY				
6 - 7	0 - 65535	0 - 100	X coordinate	0 - 0.8
8 - 9	0 - 65535	0 - 100	Y coordinate	0 - 0.8
10	0 - 255	0 - 100	Decay	1 - 10
Source				
6	0 - 255	0 - 100	Source Matching	Refer to Mode: Source
7	0 - 255	0 - 100	Decay	1 - 10
RGB				
6 - 7	0 - 65535	0 - 100	Red	0 - 100%
8 - 9	0 - 65535	0 - 100	Green	0 - 100%
10 - 11	0 - 65535	0 - 100	Blue	0 - 100%
12	0 - 255	0 - 100	Decay	1 - 10

FX Parameter: Faulty Bulb				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI

	20 - 29 30 - 39 40 - 49 50 - 59 60 - 255	9 - 12 13 - 16 17 - 20 21 - 24 25 - 100		Gel X.Y Source RGB Reserved
CCT				
6 - 7	0 - 65535	0 - 100	CCT	2000K - 10000K
8 - 9	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
10	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 40 41 - 44 45 - 100	Frequency	1 2 3 4 5 6 7 8 9 10 Random Reserved
11	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 40	Speed	1 2 3 4 5 6 7 8 9 10

	100 - 255	41 - 100		Reserved
HSI				
6 - 7	0 - 65535	0 - 100	HUE	1° - 360°
8 - 9	0 - 65535	0 - 100	Saturation	0 - 100%
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
GEL				
6	0 - 255	0 - 100	CCT	Refer to Mode: GEL
7	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
8	0 - 255	0 - 100	Series	Refer to Mode: GEL
9	0 - 255	0 - 100	Category	Refer to Mode: GEL
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
XY				
6 - 7	0 - 65535	0 - 100	X coordinate	0 - 0.8
8 - 9	0 - 65535	0 - 100	Y coordinate	0 - 0.8
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
Source				
6	0 - 255	0 - 100	Source Matching	Refer to Mode: Source
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
RGB				
6 - 7	0 - 65535	0 - 100	Red	0 - 100%
8 - 9	0 - 65535	0 - 100	Green	0 - 100%
10 - 11	0 - 65535	0 - 100	Blue	0 - 100%
12	0 - 255	0 - 100	Frequency	1 - 10 - Random
13	0 - 255	0 - 100	Speed	1 - 10

FX Parameter:Pulsing				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source

	50 - 59 60 - 255	21 - 24 25 - 100		RGB Reserved
CCT				
6 - 7	0 - 65535	0 - 100	CCT	2000K - 10000K
8 - 9	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	Green / Magenta	Neutral / No Effect Full Minus Green -99% - -1% Neutral / No Effect 1% - 99% Full Plus Green
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
HSI				
6 - 7	0 - 65535	0 - 100	HUE	1° - 360°
8 - 9	0 - 65535	0 - 100	Saturation	0 - 100%
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
GEL				
6	0 - 255	0 - 100	CCT	Refer to Mode: GEL
7	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
8	0 - 255	0 - 100	Series	Refer to Mode: GEL
9	0 - 255	0 - 100	Category	Refer to Mode: GEL
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
XY				
6 - 7	0 - 65535	0 - 100	X coordinate	0 - 0.8
8 - 9	0 - 65535	0 - 100	Y coordinate	0 - 0.8
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Speed	1 - 10
Source				
6	0 - 255	0 - 100	Source Matching	Refer to Mode: Source
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Speed	1 - 10
RGB				
6 - 7	0 - 65535	0 - 100	Red	0 - 100%
8 - 9	0 - 65535	0 - 100	Green	0 - 100%

10 - 11	0 - 65535	0 - 100	Blue	0 - 100%
12	0 - 255	0 - 100	Frequency	1 - 10 - Random
13	0 - 255	0 - 100	Speed	1 - 10

FX Parameter:Welding				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Mode Select	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 59	21 - 24		RGB
	60 - 255	25 - 100		Reserved
CCT				
6 - 7	0 - 65535	0 - 100	CCT	2000K - 10000K
8 - 9	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Min Brightness	0 - 75%
HSI				
6 - 7	0 - 65535	0 - 100	HUE	1° - 360°
8 - 9	0 - 65535	0 - 100	Saturation	0 - 100%
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Min Brightness	0 - 75%
GEL				
6	0 - 255	0 - 100	CCT	Refer to Mode: GEL
7	0 - 255	0 - 100	Rosco / LEE	Refer to Mode: GEL
8	0 - 255	0 - 100	Series	Refer to Mode: GEL
9	0 - 255	0 - 100	Category	Refer to Mode: GEL
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Min Brightness	0 - 75%

XY				
6 - 7	0 - 65535	0 - 100	X coordinate	0 - 0.8
8 - 9	0 - 65535	0 - 100	Y coordinate	0 - 0.8
10	0 - 255	0 - 100	Frequency	1 - 10 - Random
11	0 - 255	0 - 100	Min Brightness	0 - 75%
Source				
6	0 - 255	0 - 100	Source Matching	Refer to Mode: Source
7	0 - 255	0 - 100	Frequency	1 - 10 - Random
8	0 - 255	0 - 100	Min Brightness	0 - 75%
RGB				
6 - 7	0 - 65535	0 - 100	Red	0 - 100%
8 - 9	0 - 65535	0 - 100	Green	0 - 100%
10 - 11	0 - 65535	0 - 100	Blue	0 - 100%
12	0 - 255	0 - 100	Frequency	1 - 10 - Random
13	0 - 255	0 - 100	Min Brightness	0 - 75%

FX Parameter:Cop Car				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Colors	Red
	10 - 19	5 - 8		Blue
	20 - 29	9 - 12		Red+Blue
	30 - 39	13 - 16		Blue+White
	40 - 49	17 - 20		Red+Blue+White
	50 - 255	21 - 100		Reserved
6	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10

	100 - 255	41 - 100		Reserved
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FX Parameter:Color Chase				
Channel	Value	Percent	Function	
5	0 - 255	0 - 100	Saturation	0 - 100%
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Party Lights				
Channel	Value	Percent	Function	
5	0 - 255	0 - 100	Saturation	0 - 100%
6	0 - 9	0 - 4	Speed	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 255	41 - 100		Reserved

FX Parameter:Fireworks				
Channel	Value	Percent	Function	
5	0 - 9	0 - 4	Color Combinations	CCT
	10 - 19	5 - 8		HUE
	20 - 29	9 - 12		CCT+HUE
	30 - 255	13 - 100		Reserved

6	0 - 9	0 - 4	Frequency	1
	10 - 19	5 - 8		2
	20 - 29	9 - 12		3
	30 - 39	13 - 16		4
	40 - 49	17 - 20		5
	50 - 59	21 - 24		6
	60 - 69	25 - 28		7
	70 - 79	29 - 32		8
	80 - 89	33 - 36		9
	90 - 99	37 - 40		10
	100 - 109	41 - 44		Random
	110 - 255	45 - 100		Reserved

Mode 24: LE CCT&RGB 16-bit

Channel	Value	Percent	Function	
Light Engine 1				
1-2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	CCT	2000K- 10000K
5 - 6	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green
7 - 8	0 - 65535	0 - 100	CCT - RGB	Crossfade to Color
9 - 10	0 - 65535	0 - 100	Red	0 - 100%
11 - 12	0 - 65535	0 - 100	Green	0 - 100%
13 - 14	0 - 65535	0 - 100	Blue	0 - 100%
Light Engine 2				
15 - 16	0 - 65535	0 - 100	Intensity	0 - 100%
17 - 18	0 - 65535	0 - 100	CCT	2000K- 10000K
19 - 20	0 - 4587	0 - 7	Green / Magenta	Neutral / No Effect
	4588 - 9830	8 - 15		Full Minus Green
	9831 - 30145	16 - 46		-99% - -1%
	30146 - 39976	47 - 61		Neutral / No Effect
	39977 - 60292	62 - 92		1% - 99%
	60293 - 65535	93 - 100		Full Plus Green

21 - 22	0 - 65535	0 - 100	CCT - RGB	Crossfade to Color
23 - 24	0 - 65535	0 - 100	Red	0 - 100%
25 - 26	0 - 65535	0 - 100	Green	0 - 100%
27 - 28	0 - 65535	0 - 100	Blue	0 - 100%

*Each light Engine requires 14 channels under LE CCT & RGB 16bit.

*The feature Function Configuration is not available under LE Profile.

Mode 25: LE RGB 16-bit

Channel	Value	Percent	Function	
Light Engine 1				
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	Red	0 - 100%
5 - 6	0 - 65535	0 - 100	Green	0 - 100%
7- 8	0 - 65535	0 - 100	Blue	0 - 100%
Light Engine 2				
9 - 10	0 - 65535	0 - 100	Intensity	0 - 100%
11 - 12	0 - 65535	0 - 100	Red	0 - 100%
13 - 14	0 - 65535	0 - 100	Green	0 - 100%
15 - 16	0 - 65535	0 - 100	Blue	0 - 100%

*Each light Engine requires 8 channels under LE RGB 16bit.

*The feature Function Configuration is not available under LE Profile.

Mode 26: LE HSI 16-bit

Channel	Value	Percent	Function	
Light Engine 1				
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	Hue	1° - 360°
5 - 6	0 - 65535	0 - 100	Saturation	0 - 100%
Light Engine 2				
7 - 8	0 - 65535	0 - 100	Intensity	0 - 100%
9 - 10	0 - 65535	0 - 100	Hue	1° - 360°
11 - 12	0 - 65535	0 - 100	Saturation	0 - 100%

*Each light Engine requires 6 channels under LE HSI 16bit.

*The feature Function Configuration is not available under LE Profile.

Mode 27: LE x,y 16-bit

Channel	Value	Percent	Function	
Light Engine 1				
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3 - 4	0 - 65535	0 - 100	x Coordinate	0 - 0.8
5 - 6	0 - 65535	0 - 100	y Coordinate	0 - 0.8
Light Engine 2				
7 - 8	0 - 65535	0 - 100	Intensity	0 - 100%
9 - 10	0 - 65535	0 - 100	x Coordinate	1° - 360°
11 - 12	0 - 65535	0 - 100	y Coordinate	0 - 100%

*Each light Engine requires 6 channels under LE x,y 16bit.

*The feature Function Configuration is not available under LE Profile.

Mode 28: Ultimate 16-bit

Channel	Value	Percent	Function	
1 - 2	0 - 65535	0 - 100	Intensity	0 - 100%
3	0 - 9	0 - 4	Lighting Mode Selection	CCT & RGB
	10 - 19	5 - 8		CCT
	20 - 29	9 - 12		CCT & HSI
	30 - 39	13 - 16		RGB
	40 - 49	17 - 20		HSI
	50 - 59	21 - 24		Gel
	60 - 69	25 - 28		x,y
	70 - 79	29 - 32		Source
	80 - 79	33 - 36		FX
	90 - 255	37 - 100		Reserved
See Lighting Mode Parameter Tables Above				