



# **LS 600c Pro**

# **LS 600c Pro II**

DMX Profile Specification

Controller Firmware V1.0

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# 8 Bit Profiles

## Mode 1: CCT & RGB 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2300 K - 10000 K
3	0 - 10	0 - 4	G / M	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
	11 - 20	5 - 8		
	21 - 119	9 - 47		
	120 - 145	48 - 57		
	146 - 244	58 - 96		
245 - 255	97 - 100			
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 1 Hz - 25 Hz
	20 - 255	8 - 100		

## Mode 2: CCT 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 255	0 - 100	CCT	2300 K - 10000 K
3	0 - 10	0 - 4	G / M	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
	11 - 20	5 - 8		
	21 - 119	9 - 47		
	120 - 145	48 - 57		
	146 - 244	58 - 96		
245 - 255	97 - 100			
4	0 - 19	0 - 7	Strobe	No Effect 1 Hz - 25 Hz
	20 - 255	8 - 100		

**Mode 3: CCT & HSI 8-bit**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	<b>Intensity</b>	0 - 100%
2	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
3	0 - 10	0 - 4	<b>G / M</b>	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	<b>CCT ↔ HSI</b>	Crossfade to Color
5	0 - 255	0 - 100	<b>Hue</b>	1° - 360°
6	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
7	0 - 10	0 - 4	<b>HSI Base CCT</b>	6500K
	11 - 255	5 - 100		2300 K - 10000 K
8	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	80 - 100		1 Hz - 25 Hz

**Mode 4: RGB 8-bit**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	<b>Intensity</b>	0 - 100%
2	0 - 255	0 - 100	<b>Red</b>	0 - 100%
3	0 - 255	0 - 100	<b>Green</b>	0 - 100%
4	0 - 255	0 - 100	<b>Blue</b>	0 - 100%
5	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	80 - 100		1 Hz - 25 Hz

### Mode 5: 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 - 10 11 - 255	0 - 4 5 - 100	HSI Base CCT	6500K 2300 K - 10000 K
5	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

### Mode 6: GEL 8-bit

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 126 127 - 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 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	Series	R - Col.corr. / L - Col.corr. R - CalColor / L - Col.Filters R - Storaro / L - 600 Series R - Cinelux / L - Cosmetic 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 1 Hz - 25 Hz

### GEL Category 1: Rosco - Color Correction

Channel	Value	GEL Name	GEL 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	GEL 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 - 103	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		

### GEL Category 3: Rosco - Storaro Selection

Channel	Value	GEL Name	GEL 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	GEL 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	325
	30 - 31	Sky 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	



**GEL Category 4: Rosco - Cinelux, continued**

<b>Channel</b>	<b>Value</b>	<b>GEL Name</b>	<b>GEL Number</b>
<b>5</b>	40 - 41	Salmon	41
	42 - 43	Deep Salmon	42
	44 - 45	Middle Rose	44
	46 - 47	Light Rose	47
	48 - 49	Purple	51
	50 - 51	Surprise Pink	60
	52 - 53	No Color Blue	360
	54 - 55	Clearwater 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	GEL 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	GEL Number
5	0 - 1	Rose Pink	002
	2 - 3	Lavender	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	075
	54 - 55	Blue Just	079
	56 - 57	Blue Deeper	085
	58 - 59	Blue Lime	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

**GEL Category 2: LEE - Color Filter, continued**

Channel	Value	GEL Name	GEL Number
5	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	

**GEL Category 2: LEE - Color Filter, continued**

Channel	Value	GEL Name	GEL Number
5	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		

**GEL Category 3: LEE - 600 Series**

Channel	Value	GEL Name	GEL Number
5	0 - 1	Arctic White	600
	2 - 3	Silver	601
	4 - 5	Plati num	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	GEL Number
<b>5</b>	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	GEL 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	719
	30 - 31	Blue Berry Blue	721
	32 - 33	Virgin Blue	723
	34 - 35	Ocean Blue	724
	36 - 37	Old Steel	725
	38 - 39	Blue Steel	728
	40 - 41	Green Liberty	730
	42 - 43	Green Dirty	731
	44 - 45	Ice Damp	733
	46 - 47	Squib JAS	738
	48 - 49	Green Bram	742
	50 - 51	Brown Dirty	744
	52 - 53	White 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 7: xy 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 1 Hz - 25 Hz

**Mode 8: Source 8-bit**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	INT	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		



**Mode 8: Source 8-bit, continued**

Channel	Value	Percent	Function	
<b>2</b>	60 - 62	40 - 41	<b>Source</b>	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 - 135	88 - 89	Pink Glow Stick		
136 - 138	90 - 91	Violet Glow Stick		
139 - 255	92 - 100	Reserved		
<b>3</b>	0 - 127	0 - 49	<b>X Coordinate</b>	0.0000 - +0.0050
	128 - 255	50 - 100		0.0000 - - 0.0050
<b>4</b>	0 - 127	0 - 49	<b>Y Coordinate</b>	0.0000 - +0.0050
	128 - 255	50 - 100		0.0000 - - 0.0050
<b>5</b>	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	8 - 100		1 Hz - 25 Hz

**Mode 9: FX 8-bit - List of Effects**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	<b>Intensity</b>	0 - 100%
2	0 - 9	0 - 4	<b>FX Selection</b>	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	33 - 36		Faulty Bulb
	90 - 99	37 - 40		Pulsing
	100 - 109	41 - 44		Welding
	110 - 119	45 - 48		Cop Car
	120 - 129	49 - 52		Color Chase
	130 - 139	53 - 56		Party Lights
	140 - 149	57 - 60		Fireworks
150 - 255	61 - 100	Reserved		
3	See FX Parameter Tables in Following Pages			
4				
5				
6				
7				
8				
9				
10				

**FX Parameter: Club Lights**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>No. of Colors</b>	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
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Paparazzi**

Channel	Value	Percent	Function	
<b>3</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
<b>4</b>	0 - 10	0 - 4	<b>G / M</b>	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
<b>5</b>	0 - 9	0 - 4	<b>Frequency</b>	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
<b>6</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Lightning**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
4	0 - 10	0 - 4	<b>G / M</b>	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
5	0 - 9	0 - 4	<b>Frequency</b>	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
6	0 - 9	0 - 4	<b>Speed</b>	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 - 10	0 - 5	<b>Stop / Trigger / Loop</b>	Stop
	11 - 127	6 - 50		Trigge
	128 - 255	51 - 100		r Loop

**FX Parameter: TV**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	5 - 8		Natural
	20 - 29	9 - 12		Cooler
	30 - 255	13 - 100		Reserved
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
	11 - 127	6 - 50		Reserved
	128 - 255	51 - 100		

**FX Parameter: Candle**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	4 - 8		Natural
	20 - 29	8 - 12		Cooler
	30 - 255	12 - 100		Reserved
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
	11 - 127	6 - 50		Reserved
	128 - 255	51 - 100		

**FX Parameter: Fire**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	4 - 8		Natural
	20 - 29	8 - 12		Cooler
	30 - 255	12 - 100		Reserved
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
	11 - 127	6 - 50		Reserved
	128 - 255	51 - 100		



**FX Parameter: Strobe**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>Mode Select</b>	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 255	21 - 100		Reserved
<b>CCT</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>5</b>	0 - 10	0 - 4	<b>G / M</b>	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
<b>6</b>	0 - 9	0 - 4	<b>Speed</b>	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
	<b>7</b>	0 - 10		0 - 5
11 - 127		6 - 50	Reserved	
128 - 255		51 - 100		

**FX Parameter: Strobe, continued**

Channel	Value	Percent	Function	
<b>HSI</b>				
4	0 - 255	0 - 100	<b>HUE</b>	1° - 360°
5	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
6	0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
7	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>GEL</b>				
4	0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
5	0 - 255	0 - 100	<b>Rosco / LEE</b>	
6	0 - 255	0 - 100	<b>Series</b>	
7	0 - 255	0 - 100	<b>Category</b>	
8	0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
9	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>				
4	0 - 255	0 - 100	<b>x coordinate</b>	0 - 0.8
5	0 - 255	0 - 100	<b>y coordinate</b>	0 - 0.8
6	0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
7	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>				
4	0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 8: Source</a>
5	0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
6	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Explosion**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>Mode Select</b>	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 255	21 - 100		Reserved
	<b>CCT</b>			
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>5</b>	0 - 10	0 - 4	<b>G / M</b>	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
<b>6</b>	0 - 9	0 - 4	<b>Decay</b>	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
<b>7</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
	11 - 127	6 - 50		Reserved
	128 - 255	51 - 100		

**FX Parameter: Explosion, continued**

Channel	Value	Percent	Function	
<b>HSI</b>				
4	0 - 255	0 - 100	<b>HUE</b>	1° - 360°
5	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
6	0 - 255	0 - 100	<b>Decay</b>	1 - 10
7	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>GEL</b>				
4	0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
5	0 - 255	0 - 100	<b>Rosco / LEE</b>	
6	0 - 255	0 - 100	<b>Series</b>	
7	0 - 255	0 - 100	<b>Category</b>	
8	0 - 255	0 - 100	<b>Decay</b>	1 - 10
9	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>				
4	0 - 255	0 - 100	<b>x coordinate</b>	0 - 0.8
5	0 - 255	0 - 100	<b>y coordinate</b>	0 - 0.8
6	0 - 255	0 - 100	<b>Decay</b>	1 - 10
7	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>				
4	0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 8: Source</a>
5	0 - 255	0 - 100	<b>Decay</b>	1 - 10
6	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Faulty Bulb**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>Mode Select</b>	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 255	21 - 100		Reserved
<b>CCT</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>5</b>	0 - 10	0 - 4	<b>G / M</b>	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
<b>6</b>	0 - 9	0 - 4	<b>Frequency</b>	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
<b>7</b>	0 - 9	0 - 4	<b>Speed</b>	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: Faulty Bulb, continued

Channel	Value	Percent	Function	
<b>CCT</b>				
<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>HSI</b>				
<b>4</b>	0 - 255	0 - 100	<b>HUE</b>	1° - 360°
<b>5</b>	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>7</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>GEL</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>5</b>	0 - 255	0 - 100	<b>Rosco / LEE</b>	
<b>6</b>	0 - 255	0 - 100	<b>Series</b>	
<b>7</b>	0 - 255	0 - 100	<b>Category</b>	
<b>8</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>9</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>10</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>xy</b>				
<b>4</b>	0 - 255	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>5</b>	0 - 255	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>7</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10

**FX Parameter: Faulty Bulb, continued**

<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
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**Parameter: Faulty Bulb, continued**

Channel	Value	Percent	Function	
<b>Source</b>				
<b>4</b>	0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 8: Source</a>
<b>5</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>6</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>7</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Pulsing**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Mode Select</b>	CCT HSI Gel X.Y Source Reserved
<b>CCT</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>5</b>	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 9 - 47 48 - 57 58 - 96 97 - 100	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green



**FX Parameter: Pulsing, continued**

Channel	Value	Percent	Function	
<b>CCT</b>				
<b>6</b>	0 - 9	0 - 4	<b>Frequency</b>	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
	<b>7</b>	0 - 9		0 - 4
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	
<b>8</b>		0 - 10	0 - 5	<b>Stop / Loop</b>
	11 - 127	6 - 50	Loop	
	128 - 255	51 - 100	Reserved	
<b>HSI</b>				
<b>4</b>	0 - 255	0 - 100	<b>HUE</b>	1° - 360°
<b>5</b>	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>8</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

### FX Parameter: Pulsing, continued

Channel	Value	Percent	Function	
<b>GEL</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>5</b>	0 - 255	0 - 100	<b>Rosco / LEE</b>	
<b>6</b>	0 - 255	0 - 100	<b>Series</b>	
<b>7</b>	0 - 255	0 - 100	<b>Category</b>	
<b>8</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>9</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>10</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>				
<b>4</b>	0 - 255	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>5</b>	0 - 255	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>				
<b>4</b>	0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 8: Source</a>
<b>5</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>6</b>	0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>7</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Welding**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>Mode Select</b>	CCT
	10 - 19	5 - 8		HSI
	20 - 29	9 - 12		Gel
	30 - 39	13 - 16		X.Y
	40 - 49	17 - 20		Source
	50 - 255	21 - 100		Reserved
<b>CCT</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>5</b>	0 - 10	0 - 4	<b>G / M</b>	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
<b>6</b>	0 - 9	0 - 4	<b>Frequency</b>	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
	<b>7</b>	0 - 255		0 - 100
<b>8</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
	11 - 127	6 - 50		Reserved
	128 - 255	51 - 100		

**FX Parameter: Welding, continued**

Channel	Value	Percent	Function	
<b>HSI</b>				
<b>4</b>	0 - 255	0 - 100	<b>HUE</b>	1° - 360°
<b>5</b>	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>	0 - 255	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>GEL</b>				
<b>4</b>	0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>5</b>	0 - 255	0 - 100	<b>Rosco / LEE</b>	
<b>6</b>	0 - 255	0 - 100	<b>Series</b>	
<b>7</b>	0 - 255	0 - 100	<b>Category</b>	
<b>8</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>9</b>	0 - 255	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>10</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>				
<b>4</b>	0 - 255	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>5</b>	0 - 255	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>6</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>	0 - 255	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>8</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**Parameter: Welding, continued**

Channel	Value	Percent	Function	
<b>Source</b>				
<b>4</b>	0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 8: Source</a>
<b>5</b>	0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>6</b>	0 - 255	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>7</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Cop Car**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Color Combinations</b>	Red Blue e Red + Blue Blue + White Red + Blue + White Reserved
<b>4</b>	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	<b>Frequency</b>	1 2 3 4 5 6 7 8 9 10 Reserved
<b>5</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Color Chase**

Channel	Value	Percent	Function	
<b>3</b>	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Party Lights**

Channel	Value	Percent	Function	
<b>3</b>	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
<b>4</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>5</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Fireworks**

Channel	Value	Percent	Function	
3	0 - 9	0 - 4	<b>Color Combinations</b>	CCT
	10 - 19	5 - 8		HUE
	20 - 29	9 - 12		CCT+HUE
	30 - 255	13 - 100		Reserved
4	0 - 9	0 - 4	<b>Frequency</b>	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
5	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**Mode 10: WW & RGB 8-bit**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	<b>Warm White</b>	0 - 100%
2	0 - 255	0 - 100	<b>Cool White</b>	0 - 100%
3	0 - 255	0 - 100	<b>Red</b>	0 - 100%
4	0 - 255	0 - 100	<b>Green</b>	0 - 100%
5	0 - 255	0 - 100	<b>Blue</b>	0 - 100%

**Mode 11: Ultimate Mode 8-bit**

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 79 90 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 24 25 - 28 29 - 32 33 - 36 37 - 100	Lighting Mode Selection	CCT & RGB CCT CCT & HSI RGB HSI Gel XY Source FX Reserved
3	See Lighting Mode Parameter Tables in Following Pages			
4				
5				
6				
7				
8				
9				
10				
11				



**Lighting Mode Parameter: CCT & RGB**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
4	0 - 10	0 - 4	<b>G / M</b>	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
5	0 - 255	0 - 100	<b>CCT ↔ RGB</b>	Crossfade to Color
6	0 - 255	0 - 100	<b>Red</b>	0 - 100%
7	0 - 255	0 - 100	<b>Green</b>	0 - 100%
8	0 - 255	0 - 100	<b>Blue</b>	0 - 100%
9	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	8 - 100		1 Hz - 25 Hz

**Lighting Mode Parameter: CCT**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
4	0 - 10	0 - 4	<b>G / M</b>	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
5	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	8 - 100		1 Hz - 25 Hz

**Lighting Mode Parameter: CCT & HSI**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>CCT</b>	2300 K - 10000 K
4	0 - 10	0 - 4	<b>G / M</b>	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
5	0 - 255	0 - 100	<b>CCT ↔ HSI</b>	Crossfade to Color
6	0 - 255	0 - 100	<b>Hue</b>	1° - 360°
7	0 - 255	0 - 100	<b>Saturation</b>	0 - 100%
8	0 - 10	0 - 4	<b>HSI Base CCT</b>	6500K
	11 - 255	5 - 100		2300 K - 10000 K
9	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	80 - 100		1 Hz - 25 Hz

**Lighting Mode Parameter: RGB**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>Red</b>	0 - 100%
4	0 - 255	0 - 100	<b>Green</b>	0 - 100%
5	0 - 255	0 - 100	<b>Blue</b>	0 - 100%
6	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	80 - 100		1 Hz - 25 Hz

### Lighting Mode Parameter: HSI

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	Hue	1° - 360°
4	0 - 255	0 - 100	Saturation	0 - 100%
5	0 - 255	0 - 100	CCT	2300 K - 10000 K
6	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

### Lighting Mode Parameter: GEL

Channel	Value	Percent	Function	
1	0 - 255	0 - 100	Intensity	0 - 100%
2	0 - 126 127 - 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 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	Series	R - Col.corr. / L - Col.corr. R - CalColor / L - Col.Filters R - Storaro / L - 600 Series R - Cinelux / L - Cosmetic R - Reserved / L - 700 Series Reserved
5	0 - 255	0 - 100	Category	<a href="#">See GEL Category Tables in Mode 6: GEL</a>
6	0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: xy**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>x Coordinate</b>	0 - 0.8
4	0 - 255	0 - 100	<b>y Coordinate</b>	0 - 0.8
5	0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: Source**

Channel	Value	Percent	Function	
3	0 - 255	0 - 100	<b>Source Matching</b>	<a href="#">See Tables in Mode 8: Source</a>
4	0 - 127 128 - 255	0 - 49 50 - 100	<b>x Coordinate</b>	0.0000 - +0.0050 0.0000 - - 0.0050
4	0 - 127 128 - 255	0 - 49 50 - 100	<b>y Coordinate</b>	0.0000 - +0.0050 0.0000 - - 0.0050
6	0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: FX**

Channel	Value	Percent	Function	
<b>3</b>	0 - 9	0 - 4	<b>FX Selection</b>	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	33 - 36		n
	90 - 99	37 - 40		Faulty Bulb
	100 - 109	41 - 44		Pulsing
	110 - 119	45 - 48		Welding
	120 - 129	49 - 52		Cop Car
	130 - 139	53 - 56		Color Chase
	140 - 149	57 - 60		Party Lights
150 - 255	61 - 100	Fireworks		
<b>4</b>	<a href="#">See FX Parameter Tables in Mode 9: FX 8-bit</a>			
<b>5</b>				
<b>6</b>				
<b>7</b>				
<b>8</b>				
<b>9</b>				
<b>10</b>				
<b>11</b>				

# 16 bit Profiles

## Mode 12: CCT & RGB 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	Intensity	0 - 100%
3	4	0 - 65535	0 - 100	CCT	2300 K - 10000 K
5	6	0 - 4587	0 - 7	G / M	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
		4588 - 9830	8 - 15		
		9831 - 30145	16 - 46		
		30146 - 39976	47 - 61		
		39977 - 60292	62 - 92		
60293 - 65535	93 - 100				
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 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

## Mode 13: CCT 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	Intensity	0 - 100%
3	4	0 - 65535	0 - 100	CCT	2300 K - 10000 K
5	6	0 - 4587	0 - 7	G / M	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
		4588 - 9830	8 - 15		
		9831 - 30145	16 - 46		
		30146 - 39976	47 - 61		
		39977 - 60292	62 - 92		
60293 - 65535	93 - 100				
7		0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz



### Mode 14: CCT & HSI 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	<b>Intensity</b>	0 - 100%
3	4	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
5	6	0 - 4587	0 - 7	<b>G / M</b>	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	<b>CCT ↔ HSI</b>	Crossfade to Color
9	10	0 - 65535	0 - 100	<b>Hue</b>	1 - 360°
11	12	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
13	14	0 - 2698	0 - 4	<b>HSI Base CCT</b>	6500K
		2699 - 65535	5 - 100		2300 K - 10000 K
15		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

### Mode 15: RGB 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	<b>Intensity</b>	0 - 100%
3	4	0 - 65535	0 - 100	<b>Red</b>	0 - 100%
5	6	0 - 65535	0 - 100	<b>Green</b>	0 - 100%
7	8	0 - 65535	0 - 100	<b>Blue</b>	0 - 100%
9		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz



### Mode 16: HSI 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	<b>Intensity</b>	0 - 100%
3	4	0 - 65535	0 - 100	<b>Hue</b>	1 - 360°
5	6	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
7	8	0 - 2698 2699 - 65535	0 - 4 5 - 100	<b>HSI Base CCT</b>	6500K 2300 K - 10000 K
9		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

### Mode 17: GEL 16-bit

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	<b>Intensity</b>	0 - 100%
3		0 - 126 127 - 255	0 - 50 51 - 100	<b>CCT</b>	3200K 5600K
4		0 - 29 30 - 59 60 - 255	0 - 12 13 - 24 25 - 100	<b>Rosco / Lee</b>	Rosco Lee Reserved
5		0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Series</b>	R - Col.corr. / L - Col.corr. R - CalColor / L - Col.Filters R - Storaro / L - 600 Series R - Cinelux / L - Cosmetic R - Reserved / L - 700 Series Reserved
6		0 - 255	0 - 100	<b>Category</b>	See GEL Category Tables Mode 6: Gel
7		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

**GEL Category 1: Rosco - Color Correction**

Channel	Value	GEL Name	GEL Number
6	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	GEL Number
6	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 - 103	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	-	

**GEL Category 3: Rosco - Storaro Selection**

Channel	Value	GEL Name	GEL Number
6	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	GEL Number
6	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	325
	30 - 31	Sky 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	

**GEL Category 4: Rosco - Cinelux, continued**

Channel	Value	GEL Name	GEL Number
6	40 - 41	Salmon	41
	42 - 43	Deep Salmon	42
	44 - 45	Middle Rose	44
	46 - 47	Light Rose	47
	48 - 49	Purple	51
	50 - 51	Surprise Pink	60
	52 - 53	No Color Blue	360
	54 - 55	Clearwater 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	GEL Number
6	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	GEL Number
6	0 - 1	Rose Pink	002
	2 - 3	Lavender	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	075
	54 - 55	Blue Just	079
	56 - 57	Blue Deeper	085
	58 - 59	Blue Lime	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

Channel	Value	GEL Name	GEL Number
6	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	



Channel	Value	GEL Name	GEL Number
6	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		

**GEL Category 3: LEE - 600 Series**

Channel	Value	GEL Name	GEL Number
6	0 - 1	Arctic White	600
	2 - 3	Silver	601
	4 - 5	Plati num	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	

Channel	Value	GEL Name	GEL Number
6	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		

Channel	Value	GEL Name	GEL Number
6	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	719
	30 - 31	Blue Berry Blue	721
	32 - 33	Virgin Blue	723
	34 - 35	Ocean Blue	724
	36 - 37	Old Steel	725
	38 - 39	Blue Steel	728
	40 - 41	Green Liberty	730
	42 - 43	Green Dirty	731
	44 - 45	Ice Damp	733
	46 - 47	Squib JAS	738
	48 - 49	Green Bram	742
	50 - 51	Brown Dirty	744
	52 - 53	White 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 18: xy 16-bit**

Channel		Value	Percent	Function	
HI	LO				
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 1 Hz - 25 Hz

**Mode 19: Source 16-bit**

Channel		Value	Percent	Function	
HI	LO				
1	2	0 - 65535	0 - 100	Intensity	0 - 100%
3		0 - 2 3 - 5 6 - 8 9 - 11 12 - 14 15 - 17 18 - 20 21 - 23 24 - 26 27 - 29 30 - 32 33 - 35 36 - 38 39 - 41 42 - 44 45 - 47 48 - 50 51 - 53	0 - 1 2 - 3 4 - 5 6 - 7 8 - 9 10 - 11 12 - 13 14 - 15 16 - 17 18 - 19 20 - 21 22 - 23 24 - 25 26 - 27 28 - 29 30 - 31 32 - 33 34 - 35	Source	Tungsten Bulb incandescent Halogen Antique Bulb Warm Antique Bulb Christmas Lights Night Light infrared Heat Lamp Grow Light CFL Soft White CFL Bright White CFL Cool White CFL Daylight Cool White 1 Cool White 2 Cool White 3 Warm White CFL blacklight

**Mode 19: Source 16-bit, continued**

Channel	Value	Percent	Function	
<b>3</b>	93 - 95	62 - 63	<b>Source</b>	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 - 135	88 - 89		Pink Glow Stick
	136 - 138	90 - 91		Violet Glow Stick
	139 - 255	92 - 100		Reserved
<b>4</b>	0 - 127	0 - 49	<b>X Coordinate</b>	0.0000 - +0.0050
	128 - 255	50 - 100		0.0000 - - 0.0050
<b>5</b>	0 - 127	0 - 49	<b>Y Coordinate</b>	0.0000 - +0.0050
	128 - 255	50 - 100		0.0000 - - 0.0050
<b>6</b>	0 - 19	0 - 7	<b>Strobe</b>	No Effect
	20 - 255	8 - 100		1 Hz - 25 Hz

**Mode 20: FX CCT 16-bit**

Channel		Value	Percent	Function	
HI	LO				
1 - 2		0 - 65535	0 - 100	<b>Intensity</b>	0 - 100%
3		0 - 9	0 - 4	<b>FX Selection</b>	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	33 - 36		Faulty Bulb
		90 - 99	37 - 40		Pulsing
		100 - 109	41 - 44		Welding
		110 - 119	45 - 48		Cop Car
		120 - 129	49 - 52		Color Chase
		130 - 139	53 - 56		Party Lights
		140 - 149	57 - 60		Fireworks
150 - 255	61 - 100	Reserved			
4	See FX Parameter Tables in Following Pages				
5					
6					
7					
8					
9					
10					
11					
12					

**FX Parameter: Club Lights**

Channel	Value	Percent	Function	
<b>4</b>	0 - 9	0 - 4	<b>No. of Colors</b>	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
<b>5</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>6</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Paparazzi**

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
6	7	0 - 4587	0 - 7	<b>G / M</b>	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
8		0 - 9	0 - 4	<b>Frequency</b>	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
9		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved



**FX Parameter: Lightning**

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
6	7	0 - 4587	0 - 7	<b>G / M</b>	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
8		0 - 9	0 - 4	<b>Frequency</b>	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
9		0 - 9	0 - 4	<b>Speed</b>	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 - 10	0 - 5	<b>Stop / Trigger / Loop</b>	Stop
		11 - 127	6 - 50		Trigge
		128 - 255	51 - 100		r Loop

**FX Parameter: TV**

Channel	Value	Percent	Function	
<b>4</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	5 - 8		Natural
	20 - 29	9 - 12		Cooler
	30 - 255	13 - 100		Reserved
<b>5</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>6</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Candle**

Channel	Value	Percent	Function	
<b>4</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	4 - 8		Natural
	20 - 29	8 - 12		Cooler
	30 - 255	12 - 100		Reserved
<b>5</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>6</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Fire**

Channel	Value	Percent	Function	
<b>4</b>	0 - 9	0 - 4	<b>CCT Range</b>	Warmer
	10 - 19	4 - 8		Natural
	20 - 29	8 - 12		Cooler
	30 - 255	12 - 100		Reserved
<b>5</b>	0 - 9	0 - 4	<b>Speed</b>	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
<b>6</b>	0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
	11 - 127	6 - 50		Loop
	128 - 255	51 - 100		Reserved

**FX Parameter: Strobe**

Channel		Value	Percent	Function	
<b>HI</b>	<b>LO</b>				
<b>4</b>		0 - 9	0 - 4	<b>Mode Select</b>	CCT
		10 - 19	5 - 8		HSI
		20 - 29	9 - 12		Gel
		30 - 39	13 - 16		X.Y
		40 - 49	17 - 20		Source
		50 - 255	21 - 100		Reserved
<b>CCT</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>7</b>	<b>8</b>	0 - 4587	0 - 7	<b>G / M</b>	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
<b>9</b>		0 - 9	0 - 4	<b>Speed</b>	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
<b>10</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved

### FX Parameter: Strobe, continued

Channel		Value	Percent	Function	
<b>HSI</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>HUE</b>	1° - 360°
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>9</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>GEL</b>					
<b>5</b>	0 - 255		0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>6</b>	0 - 255		0 - 100	<b>Rosco / LEE</b>	
<b>7</b>	0 - 255		0 - 100	<b>Series</b>	
<b>8</b>	0 - 255		0 - 100	<b>Category</b>	
<b>9</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>9</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10 - Random
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>					
<b>5</b>	0 - 255		0 - 100	<b>Source</b>	<a href="#">See Table in Mode 19: Source</a>
<b>6</b>	0 - 255		0 - 100	<b>Speed</b>	1 - 10 - Random
<b>7</b>	0 - 10 11 - 127 128 - 255		0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Strobe, continued**

				d
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**FX Parameter:Explosion**

Channel		Value	Percent	Function	
<b>HI</b>	<b>LO</b>				
<b>4</b>		0 - 9	0 - 4	<b>Mode Select</b>	CCT
		10 - 19	5 - 8		HSI
		20 - 29	9 - 12		Gel
		30 - 39	13 - 16		X.Y
		40 - 49	17 - 20		Source
		50 - 255	21 - 100		Reserved
	<b>CCT</b>				
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>7</b>	<b>8</b>	0 - 4587	0 - 7	<b>G / M</b>	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
<b>9</b>		0 - 9	0 - 4	<b>Decay</b>	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
<b>10</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop Loop
		11 - 127	6 - 50		Reserved
		128 - 255	51 - 100		



**FX Parameter: Explosion, continued**

Channel		Value	Percent	Function	
<b>HSI</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>HUE</b>	1° - 360°
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>9</b>		0 - 255	0 - 100	<b>Decay</b>	1 - 10
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>GEL</b>					
<b>5</b>	0 - 255		0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>6</b>	0 - 255		0 - 100	<b>Rosco / LEE</b>	
<b>7</b>	0 - 255		0 - 100	<b>Series</b>	
<b>8</b>	0 - 255		0 - 100	<b>Category</b>	
<b>9</b>		0 - 255	0 - 100	<b>Decay</b>	1 - 10
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>9</b>		0 - 255	0 - 100	<b>Decay</b>	1 - 10
<b>10</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>					
<b>5</b>	0 - 255		0 - 100	<b>Source</b>	<a href="#">See Table in Mode 19: Source</a>
<b>6</b>	0 - 255		0 - 100	<b>Decay</b>	1 - 10
<b>7</b>	0 - 10 11 - 127 128 - 255		0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Faulty Bulb**

Channel		Value	Percent	Function	
HI	LO				
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 - 255	21 - 100		Reserved
	<b>CCT</b>				
5	6	0 - 65535	0 - 100	CCT	2300 K - 10000K
7	8	0 - 4587	0 - 7	G / M	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 - 255	41 - 100		Reserved

### FX Parameter: Faulty Bulb, continued

Channel		Value	Percent	Function	
<b>CCT</b>					
<b>11</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>HSI</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>HUE</b>	1° - 360°
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>11</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>GEL</b>					
<b>5</b>	0 - 255		0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>6</b>	0 - 255		0 - 100	<b>Rosco / LEE</b>	
<b>7</b>	0 - 255		0 - 100	<b>Series</b>	
<b>8</b>	0 - 255		0 - 100	<b>Category</b>	
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>11</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>xy</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10

**FX Parameter: Faulty Bulb, continued**

<b>11</b>	0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
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**Parameter: Faulty Bulb, continued**

Channel		Value	Percent	Function	
<b>Source</b>					
<b>5</b>		0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 19: Source</a>
<b>6</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10 - Random
<b>7</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>8</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Pulsing**

Channel		Value	Percent	Function	
<b>HI</b>	<b>LO</b>				
<b>4</b>		0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Mode Select</b>	CCT HSI Gel X.Y Source Reserved
<b>CCT</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>7</b>	<b>8</b>	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green

**FX Parameter: Pulsing, continued**

Channel		Value	Percent	Function	
<b>CCT</b>					
<b>9</b>		0 - 9	0 - 4	<b>Frequency</b>	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
<b>10</b>		0 - 9	0 - 4	<b>Speed</b>	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
<b>11</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved
<b>HSI</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>HUE</b>	1° - 360°
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>11</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved

### FX Parameter: Pulsing, continued

Channel		Value	Percent	Function	
<b>GEL</b>					
<b>5</b>		0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
<b>6</b>		0 - 255	0 - 100	<b>Rosco / LEE</b>	
<b>7</b>		0 - 255	0 - 100	<b>Series</b>	
<b>8</b>		0 - 255	0 - 100	<b>Category</b>	
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>11</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>xy</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>x coordinate</b>	0 - 0.8
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>y coordinate</b>	0 - 0.8
<b>9</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>10</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>11</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved
<b>Source</b>					
<b>5</b>		0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 19: Source</a>
<b>6</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>		0 - 255	0 - 100	<b>Speed</b>	1 - 10
<b>8</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Welding**

Channel		Value	Percent	Function	
<b>HI</b>	<b>LO</b>				
<b>4</b>		0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Mode Select</b>	CCT HSI Gel X.Y Source Reserved
<b>CCT</b>					
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000K
<b>7</b>	<b>8</b>	0 - 4587 4588 - 9830 9831 - 30145 30146 - 39976 39977 - 60292 60293 - 65535	0 - 7 8 - 15 16 - 46 47 - 61 62 - 92 93 - 100	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
<b>9</b>		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	<b>Frequency</b>	1 2 3 4 5 6 7 8 9 10 Reserved
<b>10</b>	<b>11</b>	0 - 65535	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>12</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved



**FX Parameter: Welding, continued**

Channel		Value	Percent	Function	
<b>HSI</b>					
5	6	0 - 65535	0 - 100	<b>HUE</b>	1° - 360°
7	8	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
9		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
10	11	0 - 65535	0 - 100	<b>Min Brightness</b>	0 - 75%
12		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>GEL</b>					
5		0 - 255	0 - 100	<b>CCT</b>	<a href="#">See Table in Mode 6: GEL</a>
6		0 - 255	0 - 100	<b>Rosco / LEE</b>	
7		0 - 255	0 - 100	<b>Series</b>	
8		0 - 255	0 - 100	<b>Category</b>	
9		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
10	11	0 - 65535	0 - 100	<b>Min Brightness</b>	0 - 75%
12		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d
<b>xy</b>					
5	6	0 - 65535	0 - 100	<b>x coordinate</b>	0 - 0.8
7	8	0 - 65535	0 - 100	<b>y coordinate</b>	0 - 0.8
9		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
10	11	0 - 65535	0 - 100	<b>Min Brightness</b>	0 - 75%
12		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserve d

**Parameter: Welding, continued**

Channel		Value	Percent	Function	
<b>Source</b>					
<b>5</b>		0 - 255	0 - 100	<b>Source</b>	<a href="#">See Table in Mode 19: Source</a>
<b>6</b>		0 - 255	0 - 100	<b>Frequency</b>	1 - 10
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Min Brightness</b>	0 - 75%
<b>9</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Cop car**

Channel		Value	Percent	Function	
<b>4</b>		0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 255	0 - 4 5 - 8 9 - 12 13 - 16 17 - 20 21 - 100	<b>Color Combinations</b>	Red Blue Red + Blue Blue + White Red + Blue + White Reserved
<b>5</b>		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	<b>Frequency</b>	1 2 3 4 5 6 7 8 9 10 Reserved
<b>6</b>		0 - 10 11 - 127 128 - 255	0 - 5 6 - 50 51 - 100	<b>Stop / Loop</b>	Stop Loop Reserved

**FX Parameter: Color Chase**

Channel		Value	Percent	Function	
HI	LO				
<b>4</b>	<b>5</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>6</b>		0 - 9	0 - 4	<b>Speed</b>	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
<b>7</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved

**FX Parameter: Party Lights**

Channel		Value	Percent	Function	
HI	LO				
<b>4</b>	<b>5</b>	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
<b>6</b>		0 - 9	0 - 4	<b>Speed</b>	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
<b>7</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop

**FX Parameter: Color Chase**

	128 - 255	51 - 100		Reserved
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**FX Parameter: Fireworks**

Channel		Value	Percent	Function	
<b>4</b>		0 - 9	0 - 4	<b>Color Combinations</b>	CCT
		10 - 19	5 - 8		HUE
		20 - 29	9 - 12		CCT+HUE
		30 - 255	13 - 100		E Reserved
<b>5</b>		0 - 9	0 - 4	<b>Frequency</b>	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
<b>6</b>		0 - 10	0 - 5	<b>Stop / Loop</b>	Stop
		11 - 127	6 - 50		Loop
		128 - 255	51 - 100		Reserved

**Mode 21: WWRGB 16-bit**

Channel		Value	Percent	Function	
HI	LO				
<b>1</b>	<b>2</b>	0 - 65535	0 - 100	<b>Warm White</b>	0 - 100%
<b>3</b>	<b>4</b>	0 - 65535	0 - 100	<b>Cool White</b>	0 - 100%
<b>5</b>	<b>6</b>	0 - 65535	0 - 100	<b>Red</b>	0 - 100%
<b>7</b>	<b>8</b>	0 - 65535	0 - 100	<b>Green</b>	0 - 100%
<b>9</b>	<b>10</b>	0 - 65535	0 - 100	<b>Blue</b>	0 - 100%

**Mode 22: Ultimate Mode 16-bit**

Channel		Value	Percent	Function	
HI	LO				
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 &
		30 - 39	13 - 16		HSI
		40 - 49	17 - 20		RGB
		50 - 59	21 - 24		HSI
		60 - 69	25 - 28		Gel
		70 - 79	29 - 32		XY
		80 - 79	33 - 36		Source
		90 - 255	37 - 100		FX
4	See Lighting Mode Parameter Tables in Following Pages				Reserved
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

**Lighting Mode Parameter: CCT & RGB**

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
6	7	0 - 4587	0 - 7	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
		4588 - 9830	8 - 15		
		9831 - 30145	16 - 46		
		30146 - 39976	47 - 61		
		39977 - 60292	62 - 92		
60293 - 65535	93 - 100				
8	9	0 - 65535	0 - 100	<b>CCT ↔ RGB</b>	Crossfade to Color
10	11	0 - 65535	0 - 100	<b>Red</b>	0 - 100%
12	13	0 - 65535	0 - 100	<b>Green</b>	0 - 100%
14	15	0 - 65535	0 - 100	<b>Blue</b>	0 - 100%
16		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: CCT**

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
6	7	0 - 4587	0 - 7	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
		4588 - 9830	8 - 15		
		9831 - 30145	16 - 46		
		30146 - 39976	47 - 61		
		39977 - 60292	62 - 92		
60293 - 65535	93 - 100				
8		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

### Lighting Mode Parameter: CCT & HSI

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>CCT</b>	2300 K - 10000 K
6	7	0 - 4587	0 - 7	<b>G / M</b>	Neutral / No Effect Full Minus Green - 99% - - 1% Neutral / No Effect 1% - 99% Full Plus Green
		4588 - 9830	8 - 15		
		9831 - 30145	16 - 46		
		30146 - 39976	47 - 61		
		39977 - 60292	62 - 92		
60293 - 65535	93 - 100				
8	9	0 - 65535	0 - 100	<b>CCT ↔ HSI</b>	Crossfade to Color
10	11	0 - 65535	0 - 100	<b>Hue</b>	1 - 360°
12	13	0 - 65535	0 - 100	<b>Saturation</b>	0 - 100%
14	15	0 - 2698	0 - 4	<b>HSI Base CCT</b>	6500K 2300 K - 10000 K
		2699 - 65535	5 - 100		
16		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz

### Lighting Mode Parameter: RGB

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	<b>Red</b>	0 - 100%
6	7	0 - 65535	0 - 100	<b>Green</b>	0 - 100%
8	9	0 - 65535	0 - 100	<b>Blue</b>	0 - 100%
10		0 - 19 20 - 255	0 - 7 8 - 100	<b>Strobe</b>	No Effect 1 Hz - 25 Hz



### Lighting Mode Parameter: HSI

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	Hue	1 - 360°
6	7	0 - 65535	0 - 100	Saturation	0 - 100%
8	9	0 - 65535	0 - 100	HSI Base CCT	2300 K - 10000 K
10		0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

### Lighting Mode Parameter: GEL

Channel		Value	Percent	Function	
3		0 - 126 127 - 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 9 - 12 13 - 16 17 - 20 21 - 100	Series	R - Col.corr. / L - Col.corr. R - CalColor / L - Col.Filters R - Storar / L - 600 Series R - Cinelux / L - Cosmetic R - Reserved / L - 700 Series Reserved
6		0 - 255	0 - 100	Category	<a href="#">See GEL Category Tables Mode 6: Gel</a>
7		0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: xy**

Channel		Value	Percent	Function	
HI	LO				
4	5	0 - 65535	0 - 100	x Coordinate	0 - 0.8
6	7	0 - 65535	0 - 100	y Coordinate	0 - 0.8
8		0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: Source**

Channel		Value	Percent	Function	
4		0 - 255	0 - 100	Source Matching	<a href="#">See Tables in Mode 19: Source</a>
5		0 - 127 128 - 255	0 - 49 50 - 100	X Coordinate	0.0000 - +0.0050 0.0000 - - 0.0050
6		0 - 127 128 - 255	0 - 49 50 - 100	Y Coordinate	0.0000 - +0.0050 0.0000 - - 0.0050
7		0 - 19 20 - 255	0 - 7 8 - 100	Strobe	No Effect 1 Hz - 25 Hz

**Lighting Mode Parameter: FX**

Channel	Value	Percent	Function	
<b>4</b>	0 - 9	0 - 4	<b>FX Selection</b>	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		Explosio n
	80 - 89	33 - 36		Faulty Bulb
	90 - 99	37 - 40		Pulsing
	100 - 109	41 - 44		Welding
	110 - 119	45 - 48		Cop Car
	120 - 129	49 - 52		Color Chase
	130 - 139	53 - 56		Party Lights
	140 - 149	57 - 60		Fireworks
150 - 255	61 - 100	Reserved		
<b>5</b>	<a href="#">See FX Parameter Tables in Mode 20: FX 16-bit</a>			
<b>6</b>				
<b>7</b>				
<b>8</b>				
<b>9</b>				
<b>10</b>				
<b>11</b>				
<b>12</b>				
<b>13</b>				