

# **FlexColor**

## **DMX Chart**

Document Version 2.0.0

## DMX Channel Overview

DMX Mode	Bit	Channel Used	Description
1	8 bit	10	CCT & RGB
2	8 bit	5	CCT
3	8 bit	9	CCT & HSI
4	8 bit	7	RGB
5	8 bit	6	HSI
6	8 bit	6	GEL
7	8 bit	5	XY
8	8 bit	9	Effects
9	8 bit	-	Reserved(Source)
10	8 bit	-	Reserved(TBD)
11	16 bit	20	CCT & RGB
12	16 bit	10	CCT
13	16 bit	18	CCT & HSI
14	16 bit	14	RGB
15	16 bit	12	HIS
16	16 bit	12	GEL
17	16 bit	10	XY
18	16 bit	-	Reserved(Source)
19	16 bit	-	Reserved(FX)
20	16 bit	-	Reserved(TBD)

Table 1 : Preset Channel

Channel	Value	Percent	Function
1	0 – 11	0 – 4	<b>Preset</b> No Effect
	72 – 131	29 – 51	No Effect
			<b>User Defined Quick Setting</b>
	12 – 23	5 – 9	Quick 01
	24 – 35	10 – 14	Quick 02
	36 – 47	15 – 18	Quick 03
	48 – 59	19 – 23	Quick 04
	60 – 71	24 – 28	Quick 05

			<b>Factory Presets</b>
	132 – 143	52 – 56	Preset 01 (2.900 K, 0 +/- GN)
	144 – 155	57 – 61	Preset 02 (3.200 K, 0 +/- GN)
	156 – 167	62 – 65	Preset 03 (5.600 K, 0 +/- GN)
	168 – 179	66 – 70	Preset 04 (6.500 K, 0 +/- GN)
	180 – 191	71 – 75	Preset 05 (120° Hue, 100% Saturation)
	192 – 203	76 – 80	Preset 06 (240° Hue, 1e100% Saturation)
	204 – 215	81 – 84	Preset 07 (Rosco 3408, 5.600 K Base)
	216 – 227	85 – 89	Preset 08 (Lee 187, 3.200 K Base)
	228 – 239	90 – 94	Preset 09 (Rosco 3152, 3.200 K Base)
	240 - 255	95 - 100	Preset 10 (Lee 162, 3.200 K Base)

### Mode 1: CCT & RGB 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	CCT	2000 - 10000 K
3	27 - 127	0 - 50	G/M	-1.0 - 0
	128 - 228	50- 100		0 - 1.0
	0 - 26 , 229 - 255	0		0
4	0 - 255	0 - 100	CCT <> RGB	Cross Fade
5	0 - 255	0 - 100	R	0 - 100 %
6	0 - 255	0 - 100	G	0 - 100 %
7	0 - 255	0 - 100	B	0 - 100 %
8	0 - 255	0 - 100	CCT	2000 - 10000 K
9	0 - 255	0 - 100	Smooth Effects	0 - 100%
10	0 - 255	0 - 100	Preset	See table 1

### Mode 2: CCT 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	CCT	2000 - 10000 K
3	27 - 127	0 - 50	G/M	-1.0 - 0
	128 - 228	50- 100		0 - 1.0
	0 - 26 , 229 - 255	0		0
4	0 - 255	0 - 100	Smooth Effects	0 - 100%
5	0 - 255	0 - 100	Preset	See table 1

### Mode 3: CCT & HIS 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	CCT	2000 - 10000 K
3	27 - 127	0 - 50	G/M	-1.0 - 0
	128 - 228	50- 100		0 - 1.0
	0 - 26 , 229 - 255	0		0
4	0 - 255	0 - 100	CCT <> HIS	Crossfade

5	0 - 255	0 - 100	Hue	0° - 360°
6	0 - 255	0 - 100	Saturation	0 - 100 %
7	0 - 255	0 - 100	CCT	2000 - 10000 K
8	0 - 255	0 - 100	Smooth Effects	0 - 100%
9	0 - 255	0 - 100	Preset	See table 1

#### Mode 4: RGB 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	R	0 - 100 %
3	0 - 255	0 - 100	G	0 - 100 %
4	0 - 255	0 - 100	B	0 - 100 %
5	0 - 255	0 - 100	CCT	2000 - 10000 K
6	0 - 255	0 - 100	Smooth Effects	0 - 100%
7	0 - 255	0 - 100	Preset	See table 1

#### Mode 5: HIS 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	Hue	0 - 360
3	0 - 255	0 - 100	Saturation	0 - 100 %
4	0 - 255	0 - 100	CCT	2000 - 10000 K
5	0 - 255	0 - 100	Smooth Effects	0 - 100%
6	0 - 255	0 - 100	Preset	See table 1

## Mode 6: GEL 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	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	R/L	LEE ROSCO 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-Cal color / L-Cal.Filter R-Storaro / L-600 Series R-Cinelux / L-Cosmetic R-backup / L-700 Series Reserved
5	0 - 255	0 - 100	Category	See GEL tables
6	0 - 19 20 - 255	0 - 7 8 - 255	Preset	See table 1

## GEL Category 1: R-Col.cor

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	

## GEL Category 2: R-Cal color

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
	12-13	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	



### GEL Category 3: R-Storaro

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

## GEL Category 4: R-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 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	Cleanwater	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

5	70-71	Alice Blue	378
	72-73	Primary Blue	80
	74-75	BaldassariBlue	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	

## GEL Category 5: L-Col.corr

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

## GEL Category 6: L-Cal.Filter

Channel	Value	Gel Name	Gel Number
5	0-1	Rose Pink	002
	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	

<b>Channel</b>	<b>Value</b>	<b>Gel Name</b>	<b>Gel Number</b>
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 Nave 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

Channel	Value	Gel Name	Gel Number
5	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 Lavender	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
178-179	Tokyo Blue	71	

### GEL Category 7: L-600 Series

Channel	Value	Gel Name	Gel 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



## GEL Category 8: L-Cosmetic

Channel	Value	Gel Name	Gel 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	

## GEL Category 9: L-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 FalsLavender	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	ColourWash 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	Am 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 ColourStraw	764
62-63	LEE Yellow	765
64-65	CardboxAmber	773
66-67	Nectarine	776
68-69	MilleniumGold	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

## Mode 7: X-Y 8 Bit

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	X	0 - 0.8
3	0 - 255	0 - 100	Y	0 - 0.8
4	0 - 255	0 - 100	Smooth Effects	0 - 100%
5	0 - 255	0 - 100	Preset	See table 1

## Mode 8: Effects

Channel	Value	Percent	Function	Description
1	0 - 255	0 - 100	Dimmer	0 - 100 %
2	0 - 255	0 - 100	Effect Selection	0 - 9 : [1] Candle 10 - 19 : [2] Fire 20 - 29 : [3] Fireworks 30 - 39 : [4] TV 40 - 49 : [5] Cop Light 50 - 59 : [6] Lightning 60 - 69 : [7] Paparazzi 70 - 79 : [8] Pulse 80 - 89 : [9] Party Light 90 - 255 : Reserved
3 - 9				Refer to below effects Setting

## Effects : [1] Candle

Channel	Value	Percent	Function	Description
3	0 - 9 10 - 19 20 - 255	0 - 100	Mode	Interior Breeze Reserved
4	0 - 100 101 - 255	0 - 100	Rate	0 - 100 100
5	0 - 100 101 - 255	0 - 100	Amp	0 - 100 100
6	0 - 255	0 - 100	CCT	1400K - 2500K

7-9			Reserved	
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Effects : [2] Fire

Channel	Value	Percent	Function	Description
3	0 – 9 10 – 19 20 – 255	0 – 100	Mode	Firepit Gas Fireplace Reserved
4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5	0 – 100 101 - 255	0 – 100	Amp	0 – 100 100
6	0 - 255	0 – 100	CCT	1400K - 2500K
7-9			Reserved	

Effects : [3] Fireworks

Channel	Value	Percent	Function	Description
3	0 - 255	0 – 100	Mode	[3] Fireworks 0 – 9 : Color 10 – 19 : White 20 – 29 : Mixed 30 – 255 : Reserved
4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5 - 9			Reserved	

Effects : [4] TV

Channel	Value	Percent	Function	Description
3	0 - 255	0 – 100	Mode	[4] TV 0 – 9 : Movie 10 – 19 : Music Video 20 – 29 : Sports 30 – 255 : Reserved

4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5	0 – 100 101 - 255	0 – 100	Amp	0 – 100 100
6	0 - 255	0 – 100	CCT	2700K - 10000K
7 - 9			Reserved	

### Effects : [5] Cop Light

Channel	Value	Percent	Function	Description
3	0 – 9 10 – 19 20 – 29 30 – 39 40 – 49 50 – 59 60 – 69 70 – 79 80 – 89 90 – 99 100 – 255	0 – 100	Mode	R + B B B + W R + B + W B + Y B + R + W R + Y R Y G Reserved
4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5	0 – 9 10 – 19 20 – 29 30 – 39	0 – 100	Burst	1 2 3 4
6	0 - 255	0 – 100	CCT	2700K - 10000K
7 - 9			Reserved	

### Effects : [6] Lightning

Channel	Value	Percent	Function	Description
3	0 – 9 10 – 19 20 – 255	0 – 100	Mode	Storm Horror Reserved

4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5	0 - 255	0 – 100	CCT	2700K - 10000K
6-9			Reserved	

Effects : [7] Paparazzi

Channel	Value	Percent	Function	Description
3	0 – 9 10 – 19 20 – 255	0 – 100	Mode	Red Carpet Stalker Reserved
4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
4	0 – 100 101 - 255	0 – 100	Flash Time	0 – 100 100
6	0 - 255	0 – 100	CCT	2700K - 10000K
7 - 9			Reserved	

Effects : [8] Pulse

Channel	Value	Percent	Function	Description
3			Reserved	
4	0 - 255	0 – 100	Hue	0 – 360
5	0 - 255	0 – 100	Saturation	0 – 100 %
6	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
7	0 – 100 101 - 255	0 – 100	Duty	0 – 100 100
8	0 – 100 101 - 255	0 – 100	Smooth	0 – 100 100
9	0 - 255	0 – 100	CCT	2700K - 10000K

Effects : [9] Party Light

Channel	Value	Percent	Function	Description
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3			Reserved	
4	0 – 100 101 - 255	0 – 100	Rate	0 – 100 100
5	0 - 255	0 – 100	Saturation	0 – 100 %
6-9	0 - 255	0 – 100	CCT	2700K - 10000K

Mode 9: Reserved

Mode 10: Reserved

Mode 11: CCT & RGB 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 – 65535	0 – 100	Dimmer	0 – 100 %
3	4	0 – 65535	0 – 100	CCT	2000 – 10000 K
5	6	6912 – 32767 32768 – 58623 0 – 6911 , 58624 - 65535	0 – 50 50– 100 0	G/M	-1.0 - 0 0 – 1.0 0
7	8	0 – 65535	0 – 100	CCT <> RGB	Cross Fade
9	10	0 - 65535	0 – 100	R	0 – 100 %
11	12	0 - 65535	0 – 100	G	0 – 100 %
13	14	0 - 65535	0 – 100	B	0 – 100 %
15	16	0 – 65535	0 – 100	CCT	2000 – 10000 K
17		0 - 255	0 - 100	Smooth Effects	0 – 100%
18				Reserved	
19		0 - 255	0 – 100	Preset	See table 1
20				Reserved	

Mode 12: CCT 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 – 65535	0 – 100	Dimmer	0 – 100 %
3	4	0 – 65535	0 – 100	CCT	2000 – 10000 K
5	6	6912 – 32767	0 – 50	G/M	-1.0 - 0

		32768 – 58623 0 – 6911 , 58624 - 65535	50– 100 0		0 – 1.0 0
7		0 - 255	0 - 100	Smooth Effects	0 – 100%
8				Reserved	
9		0 - 255	0 – 100	Preset	See table 1
10				Reserved	

### Mode 13: CCT & HIS 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 – 65535	0 – 100	Dimmer	0 – 100 %
3	4	0 – 65535	0 – 100	CCT	2000 – 10000 K
5	6	6912 – 32767 32768 – 58623 0 – 6911 , 58624 - 65535	0 – 50 50– 100 0	G/M	-1.0 - 0 0 – 1.0 0
7	8	0 – 65535	0 – 100	CCT <> HIS	Crossfade
9	10	0 - 65535	0 – 100	Hue	0 – 360
11	12	0 - 65535	0 – 100	Saturation	0 – 100 %
13	14	0 – 65535	0 – 100	CCT	2000 – 10000 K
15		0 - 255	0 - 100	Smooth Effects	0 – 100%
16				Reserved	
17		0 - 255	0 – 100	Preset	See table 1
18				Reserved	

### Mode 14: RGB 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 - 65535	0 – 100	Dimmer	0 – 100 %
3	4	0 - 65535	0 – 100	R	0 – 100 %
5	6	0 - 65535	0 – 100	G	0 – 100 %



7	8	0 - 65535	0 - 100	B	0 - 100 %
9	10	0 - 65535	0 - 100	CCT	2000 - 10000 K
11		0 - 255	0 - 100	Smooth Effects	0 - 100%
12				Reserved	
13		0 - 255	0 - 100	Preset	See table 1
14				Reserved	

### Mode 15: HIS 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 - 65535	0 - 100	Dimmer	0 - 100 %
3	4	0 - 65535	0 - 100	Hue	0 - 360
5	6	0 - 65535	0 - 100	Saturation	0 - 100 %
7	8	0 - 65535	0 - 100	CCT	2000 - 10000 K
9		0 - 255	0 - 100	Smooth Effects	0 - 100%
10				Reserved	
11		0 - 255	0 - 100	Preset	See table 1
12				Reserved	

### Mode 16: GEL 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 - 65535	0 - 100	Dimmer	0 - 100 %
3	4	0 - 32767 32768 - 65535	0 - 50 51 - 100	CCT	3200K 5600K
5	6	0 - 29 30 - 59 60 - 255	0 - 12 13 - 24 25 - 100	R/L	LEE ROSCO Reserved
7	8	0 - 2559 2560 - 5119 5120 - 7679 7680 - 10239 10240 - 12799 12800 - 65535	0 - 4 5 - 8 9 - 12 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-backup / L-700 Series Reserved
9	10	0 - 65535	0 - 100	Category	See GEL tables

9	0 - 255	0 - 100	Smooth Effects	0 - 100%
10			Reserved	
11	0 - 255	0 - 100	Preset	See table 1
12			Reserved	

### Mode 17: X-Y 16 Bit

Channel HIGH	Channel LOW	Value	Percent	Function	Description
1	2	0 - 65535	0 - 100	Dimmer	0 - 100 %
3	4	0 - 65535	0 - 100	X	0 - 0.8
5	6	0 - 65535	0 - 100	Y	0 - 0.8
7		0 - 255	0 - 100	Smooth Effects	0 - 100%
8				Reserved	
9		0 - 255	0 - 100	Preset	See table 1
10				Reserved	

Mode 18: Reserved

Mode 19: Reserved

Mode 20: Reserved

## RDM Command Specification V2.0

Command	PID	R/W	Value
DISC UNIQUE BRANCH	0x0001	W	Search RDM devices
DISC MUTE	0x0002	W	Mute RDM device to avoid a response message
DISC UN MUTE	0x0003	W	Activate RDM device for response message
SUPPORTED PARAMETERS	0x0050	R/W	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	R/W	Retrieves a list of all non-standard RDM commands (manufacturer commands $\geq$ 0x8000) and their parameters
DEVICE INFO	0x0060	R	Retrieves a variety of information about the device that is normally required by a controller
PRODUCT DETAIL ID LIST	0x0070	R	Requests technology details for a device
DEVICE MODEL DESCRIPTION	0x0080	R	Text description of up to 32 characters for the device model type
MANUFACTURER LABEL	0x0081	R	This parameter provides an ASCII text response with the manufacturer name "Fomax".
DEVICE LABEL	0x0082	R/W	Supports the setting a descriptive label for each device. It may be used for identifying a dimmer rack number or specifying the devices location
SOFTWARE VERSION LABEL	0x00C0		Retrieves software version string of main software
BOOT SOFTWARE VERSION ID	0x00C1		Retrieves primary boot software version
BOOT SOFTWARE VERSION LABEL			Retrieves details about primary bootloader
DMX START ADDRESS	0x00F0	R/W	Retrieve or set DMX address
IDENTIFY DEVICE	0x1000	R/W	Identify device Off = 0 On = 1
DMX PERSONALITY	0xE0	R/W	Retrieve or set DMX mode

COMMS STATUS	0x0015	R/W	Collects the information about the integrity of the communication sys
FACTORY DEFAULTS	0x0090		Set the device to its factory defaults Get: Check if settings still in default state 1 if default
RESET DEVICE	0x0090	W	Reset device 0x01 for warm reset
FACTORY DEFAULTS	0x0090		Set the device to its factory defaults Get: Check if settings still in default state 1 if default