

### General

DMG LION utilizes the same DMX Profile structure for color and intensity control that the other DMG Lighting fixtures use. Some modes, however, will have dedicated channels that only work with DMG LION to control the fixture's fan speed and zoom. These channels are indicated by a \* and serve no function when used with any other DMG Light other than LION.

Example:

- Mode 23 – LION (both MIX & PUNCH): Uses 6 channels
- Mode 23 – Not LION: Only uses 4 channels

Please note that a channel has been reserved for 16-bit mode, which will be used to add a 16-bit zoom parameter in a future update.

### Control Channel

The Control Channel is available on all profiles except the legacy profiles 1, 2, 3, 17, 21, and 22. This channel is used to work with parameters such as dimming curves, enabling/disabling Bluetooth, etc. This is a DMX function, so there is no need to use the RDM function or to activate it through the device's on-board menu. Refer to the Control Channel table on page 39 for all the available settings under the Control Channel.

## DMG LION FAN DMX SETTINGS

DMX VALUE	PERCENT	FAN MODE	DESCRIPTION
0 – 9	0 – 3	AUTO	Fan speed varies from 5% to 100% depending on the device's temperature.
10 – 49	4 – 19	QUIET	Minimum noise level. Fan will operate in QUIET mode until MAX temp. is reached, at which point fan will progressively accelerate.
50 – 99	20 – 38	LOW	Fan will operate at a constant low speed to achieve minimal noise level.
100 – 149	39 – 58	MEDIUM	Fan will operate at a constant medium speed and will produce a medium noise level.
150 – 249	59 – 97	HIGH	Fan will operate at a constant high speed and maximum noise level. Recommended for cooling down the fixture after running in LOW mode, or when audio is not an issue.
250 – 255	98 – 100	RESERVED	RESERVED

NOTE: Using the Local User Interface, you can choose the behavior of the fixture once it reaches its maximum temperature. Go to SETTINGS -> GENERAL -> OVER TEMP:

- Turn Fixture Off
- Reduce Output Power

### White MIX Matches PUNCH Color Space

A new DMX mode has been added to enable a fixture with a MIX LED Engine to match the color space of any DMG LION fixtures equipped with a PUNCH LED Engine. In this mode, the available color temperature range = 2700K to 6500K – same as PUNCH – and the Magenta/Green control will also be the same as the PUNCH LED Engine.

## DMG LION ZOOM DMX SETTINGS

DMX VALUE	PERCENT	DESCRIPTION
0 – 19	0 – 7	No effect
20 – 255	8 – 100	Uses the motorized zoom to set the fixture's beam angle from 15° spot to 75° flood.

## PROFILES IN NUMERICAL ORDER

- Mode 1 – Legacy White 8b
- Mode 2 – Legacy Color 8b
- Mode 3 – Legacy Gel 8b
- Mode 4 – Pro 8b
- Mode 5 – Pro 16b
- Mode 6 – Full 8b
- Mode 7 – Full 16b
- Mode 15 – Global 8b
- Mode 16 – Global 16b
- Mode 17 – Legacy New Gel Mode 8b
- Mode 21 – Legacy X,Y 8b
- Mode 22 – Legacy X,Y 16b
- Mode 23 – White 8b
- Mode 24 – White 16b
- Mode 25 – Color 8b
- Mode 26 – Color 16b
- Mode 27 – Full D16
- Mode 33 – New Gel Mode 8b
- Mode 34 – New Gel Mode D16
- Mode 37 – X,Y 8b
- Mode 38 – X,Y 16b
- Mode 41 – HSI GEL 8b
- Mode 42 – HSI GEL 16b
- Mode 101 – Legacy White 8b (PUNCH Color Space)
- Mode 123 – White 8b (PUNCH Color Space)
- Mode 124 – White 16b (PUNCH Color Space)

### PROFILES IN LOGICAL ORDER

● = Available  
○ = Not available

	Page Number	Number of Channels	LION MIX	LION PUNCH
WHITE (CCT G/M)	5			
Mode 1 - Legacy White 8b	5	3	●	●
Mode 23 - White 8b	5	7	●	●
Mode 24 - White 16b	6	10	●	●
COLOR (CCT G/M HSI)	7			
Mode 2 - Legacy Color 8b	7	4	●	○
Mode 25 - Color 8b	7	9	●	○
Mode 26 - Color 16b	8	13	●	○
GEL LEGACY	9			
Mode 3 - Legacy Gel 8b	9	7	●	○
PRO (MEM CCT G/M HSI GEL EFFECT X Y STROBE)	10			
Mode 4 - Pro 8b	10	18	●	○
Mode 5 - Pro 16b	13	23	●	○
FULL (CCT G/M CRO RGBWAL)	15			
Mode 6 - Full 8b	15	14	●	○
Mode 27 - Full D16	17	15	●	○
Mode 7 - Full 16b	18	25	●	○

	Page Number	Number of Channels	LION MIX	LION PUNCH
GLOBAL	19			
Mode 15 - Global 8b	19	25	●	○
Mode 16 - Global 16b	23	44	●	○
NEW GEL MODE	28			
Mode 17 - Legacy New Gel Mode 8b	28	7	●	○
Mode 33 - New Gel Mode 8b	29	11	●	○
Mode 34 - New Gel Mode D16	30	12	●	○
X,Y	31			
Mode 21 - Legacy X, Y 8b	31	3	●	○
Mode 37 - X, Y 8b	32	7	●	○
Mode 22 - Legacy X,Y 16b	32	6	●	○
Mode 38 - X, Y 16b	32	11	●	○
HSI GEL (CCT G/M HSI CRO GEL)	33			
Mode 41 - HSI GEL 8b	33	16	●	○
Mode 42 - HSI GEL 16b	35	20	●	○
WHITE MIX MATCHES PUNCH COLOR SPACE	37			
Mode 101 - Legacy White 8b (PUNCH Color Space)	37	5	●	●
Mode 123 - White 8b (PUNCH Color Space)	37	7	●	●
Mode 124 - White 16b (PUNCH Color Space)	38	10	●	●
CONTROL CHANNEL	39			
GEL LIST	40			
SOURCE MATCH	44			

## WHITE

### Mode 1 – Legacy White 8b

DMX Channel	DMX Value	Percent	Function
1	0 – 255	0 – 100	Dimmer Closed To Open
2	0 – 255	0 – 100	Color Temperature (CCT) MIX: 1700K To 10,000K PUNCH: 2700K To 6500K
3	0 – 3	0 – 1	Green / Magenta
	4	2	Neutral / No Effect
	5 – 127	3 – 49	Full Minus Green
	128	50	-99% To -1%
	129 – 254	51 – 99	Neutral / No Effect
	255	100	1% To 99%
			Full Plus Green

### Mode 23 – White 8b

DMX Channel	DMX Value	Percent	Function
1	0 – 255	0 – 100	Dimmer Closed To Open
2	0 – 255	0 – 100	Color Temperature (CCT) MIX: 1700K To 10,000K PUNCH: 2700K To 6500K
3	0 – 3	0 – 1	Green / Magenta
	4	2	Neutral / No Effect
	5 – 127	3 – 49	Full Minus Green
	128	50	-99% To -1%
	129 – 254	51 – 99	Neutral / No Effect
	255	100	1% To 99%
			Full Plus Green
4	0 – 4	0 – 2	Light Strobe
	5 – 255	2 – 100	No Effect
5			0.1 Flash/S To 25 Flashes/S
	0 – 255	0 – 100	Control Channel
			See Control Channel

6*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
7*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

### Mode 24 - White 16b

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 65535	0 - 100	Color Temperature (CCT)
4			MIX: 1700K To 10,000K PUNCH: 2700K To 6500K
5	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
6	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
7	0 - 255	0 - 100	Control Channel
			See Control Channel
8*		0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
9*		0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
10			Reserved

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### COLOR

#### Mode 2 – Legacy Color 8b

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K
3	0 - 255	0 - 100	Hue 0 To 360 Degrees
4	0 - 255	0 - 100	Saturation 0% To 100%

#### Mode 25 – Color 8b

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K
3	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
4	0 - 255	0 - 100	Hue 0 To 360 Degrees
5	0 - 255	0 - 100	Saturation 0% To 100%
6	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
7	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>

8*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
9*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

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### Mode 26 - Color 16b

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer Closed To Open
2			
3	0 - 65535	0 - 100	Color Temperature (CCT) 1700K To 10,000K
4			
5	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
6	0 - 65535	0 - 100	Hue 0 To 360 Degrees
7			
8	0 - 255	0 - 100	Saturation 0% To 100%
9	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
10	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
11*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto ON Auto OFF Quiet Medium High Pause



12*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
13*			Reserved

\*Motorized zoom and fans available on LION only

## GEL LEGACY

### Mode 3 - Legacy Gel 8B

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 24	0 - 9	Mem 100
	25 - 49	10 - 19	0
	50 - 74	20 - 29	100
	75 - 99	29 - 39	200
	100 - 124	39 - 49	300
	125 - 149	49 - 58	400
	150 - 174	58 - 68	500
	175 - 199	68 - 78	600
	200 - 224	78 - 88	700
	225 - 255	88 - 100	800
3	0 - 24	0 - 9	Mem 10
	25 - 49	10 - 19	0
	50 - 74	20 - 29	10
	75 - 99	29 - 39	20
	100 - 124	39 - 49	30
	125 - 149	49 - 58	40
	150 - 174	58 - 68	50
	175 - 199	68 - 78	60
	200 - 224	78 - 88	70
	225 - 255	88 - 100	80

4	0 - 24	0 - 9	Mem 1
	25 - 49	10 - 19	0
	50 - 74	20 - 29	1
	75 - 99	29 - 39	2
	100 - 124	39 - 49	3
	125 - 149	49 - 58	4
	150 - 174	58 - 68	5
	175 - 199	68 - 78	6
	200 - 224	78 - 88	7
	225 - 255	88 - 100	8
5	0 - 127	0 - 50	9
	128 - 255	51 - 100	Gel CCT 3200K 5600K
6	0 - 3	0 - 1	Gel Hue
	4	2	Neutral / No Effect
	5 - 127	3 - 49	-10 Deg
	128	50	-9 Deg To -1 Deg
	129 - 254	51 - 99	Neutral / No Effect
255	100	+1 Deg To +9 Deg	
7	0 - 3	0 - 1	+10 deg
	4	2	Gel Sat
	5 - 127	3 - 49	Neutral / No Effect
	128	50	-20 %
	129 - 254	51 - 99	-19 % To -1 %
255	100	Neutral / No Effect	
			+1% To +19 %
			+20%

## PRO

Mode 4 – PRO 8b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open

2	0 - 24	0 - 9	Mem 100
	25 - 49	10 - 19	000
	50 - 74	20 - 29	100
	75 - 99	29 - 39	200
	100 - 124	39 - 49	300
	125 - 149	49 - 58	400
	150 - 174	58 - 68	500
	175 - 199	68 - 78	600
	200 - 224	78 - 88	700
	225 - 255	88 - 100	800
3	0 - 24	0 - 9	Mem 10
	25 - 49	10 - 19	00
	50 - 74	20 - 29	10
	75 - 99	29 - 39	20
	100 - 124	39 - 49	30
	125 - 149	49 - 58	40
	150 - 174	58 - 68	50
	175 - 199	68 - 78	60
	200 - 224	78 - 88	70
	225 - 255	88 - 100	80
4	0 - 24	0 - 9	Mem 1
	25 - 49	10 - 19	0
	50 - 74	20 - 29	1
	75 - 99	29 - 39	2
	100 - 124	39 - 49	3
	125 - 149	49 - 58	4
	150 - 174	58 - 68	5
	175 - 199	68 - 78	6
	200 - 224	78 - 88	7
	225 - 255	88 - 100	8
5	0 - 255	0 - 100	9
			Color Temperature (CCT) 1700K To 10,000K

6	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green-Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
7	0 - 255	0 - 100	Hue 0 To 360 Degrees
8	0 - 255	0 - 100	Saturation 0% To 100%
9	0 - 127 128 - 255	0 - 50 51 - 100	Gel CCT 3200K 5600K
10	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect +1 Deg To +9 Deg +10 deg
11	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%
12	0 1 - 127 128 129 - 254 255	0 1 - 49 50 51 - 99 100	Effect speed -100% -99% To -1% neutral / no effect 1% To 99% +100%
13	0 - 255	0 - 100	X Coordinate 0 To 0.8000
14	0 - 255	0 - 100	Y Coordinate 0 To 0.8000

15	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
16	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
17*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
18*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

### Mode 5 - PRO 16b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 24	0 - 9	Mem 100 0
	25 - 49	10 - 19	100
	50 - 74	20 - 29	200
	75 - 99	29 - 39	300
	100 - 124	39 - 49	400
	125 - 149	49 - 58	500
	150 - 174	58 - 68	600
	175 - 199	68 - 78	700
	200 - 224	78 - 88	800
225 - 255	88 - 100	900	
4	0 - 24	0 - 9	Mem 10 0
	25 - 49	10 - 19	10
	50 - 74	20 - 29	20
	75 - 99	29 - 39	30
	100 - 124	39 - 49	40
	125 - 149	49 - 58	50
150 - 174	58 - 68	60	

	175 - 199 200 - 224 225 - 255	68 - 78 78 - 88 88 - 100	70 80 90
5	0 - 24 25 - 49 50 - 74 75 - 99 100 - 124 125 - 149 150 - 174 175 - 199 200 - 224 225 - 255	0 - 9 10 - 19 20 - 29 29 - 39 39 - 49 49 - 58 58 - 68 68 - 78 78 - 88 88 - 100	Mem 1 0 1 2 3 4 5 6 7 8 9
6	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K
7	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green-Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
8	0 - 65535	0 - 100	Hue 0 To 360 Degrees
9			
10	0 - 255	0 - 100	Saturation 0% To 100%
11	0 - 127 128 - 255	0 - 50 51 - 100	Gel CCT 3200K 5600K
12	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect +1 Deg To +9 Deg +10 Deg
13	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%

14	0 1 - 127 128 129 - 254 255	0 1 - 49 50 51 - 99 100	Effect Speed -100% -99% To -1% neutral / no effect 1% To 99% +100%
15	0 - 65535	0 - 100	X Coordinate 0 To 0.8000
16			
17	0 - 65535	0 - 100	Y Coordinate 0 To 0.8000
18			
19	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
20	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
21*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
22*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
23*			Reserved

\*Motorized zoom and fans available on LION only

## FULL

### Mode 6 - FULL 8b

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K

3	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
4	0 - 255	0 - 100	Crossfade To Color White To RGBWAL color mix
5	0 - 255	0 - 100	Intensity Red 0% To 100%
6	0 - 255	0 - 100	Intensity Green 0% To 100%
7	0 - 255	0 - 100	Intensity Blue 0% To 100%
8	0 - 255	0 - 100	Intensity White 0% To 100%
9	0 - 255	0 - 100	Intensity Amber 0% To 100%
10	0 - 255	0 - 100	Intensity Lime 0% To 100%
11	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
12	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
13*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
14*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only



### Mode 27 – FULL D16

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K
4	0 - 3	0 - 1	Green / Magenta
	4	2	Neutral / No Effect
	5 - 127	3 - 49	Full Minus Green -99% To -1%
	128	50	Neutral / No Effect
	129 - 254	51 - 99	1% To 99%
	255	100	Full Plus Green
5	0 - 255	0 - 100	Crossfade To Color White To RGBWAL color mix
6	0 - 255	0 - 100	Intensity Red 0% To 100%
7	0 - 255	0 - 100	Intensity Green 0% To 100%
8	0 - 255	0 - 100	Intensity Blue 0% To 100%
9	0 - 255	0 - 100	Intensity White 0% To 100%
10	0 - 255	0 - 100	Intensity Amber 0% To 100%
11	0 - 255	0 - 100	Intensity Lime 0% To 100%
12	0 - 4	0 - 2	Light Strobe
	5 - 255	2 - 100	No Effect 0.1 Flash/S To 25 Flashes/S
13	0 - 255	0 - 100	Control Channel
			<u>See Control Channel</u>
14*	0 - 9	0 - 3	FANS
	10 - 49	4 - 19	Auto
	50 - 99	20 - 38	Quiet
	100 - 149	39 - 58	Low
	150 - 249	59 - 97	Medium
		98 - 100	High
			Reserved

15*	0 - 19 20 - 255	0 - 7 8 - 100	ZOOM No Effect Linear Spot 15° - Flood 75°
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\*Motorized zoom and fans available on LION only

### Mode 7 - FULL 16b

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer Closed To Open
2			
3	0 - 65535	0 - 100	Color Temperature (CCT) 1700K To 10,000K
4			
5	0 - 764 765	0 - 1 2	Green / Magenta Neutral / No Effect Full Minus Green
6	766 - 32767 32768	3 - 49 50	-99% To -1% Neutral / No Effect
	32895 - 65534 65535	51 - 99 100	1% To 99% Full Plus Green
7	0 - 65535	0 - 100	Crossfade To Color White To RGBWAL color mix
8			
9	0 - 65535	0 - 100	Intensity Red 0% To 100%
10			
11	0 - 65535	0 - 100	Intensity Green 0% To 100%
12			
13	0 - 65535	0 - 100	Intensity Blue 0% To 100%
14			
15	0 - 65535	0 - 100	Intensity White 0% To 100%
16			
17	0 - 65535	0 - 100	Intensity Amber 0% To 100%
18			
19	0 - 65535	0 - 100	Intensity Lime 0% To 100%
20			
21	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
22	0 - 255	0 - 100	Control Channel  <u>See Control Channel</u>

23*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
24*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
25*			Reserved

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## GLOBAL

### Mode 15 - Global 8b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 255	0 - 4 4 - 7 8 - 11 12 - 15 16 - 19 20 - 23 24 - 100	Color Mode 1 White HSI RGBWAL Gel Source Match XY Reserved
3	0 - 255	0 - 100	Color Parameter 1
4	0 - 255	0 - 100	Color Parameter 2
5	0 - 255	0 - 100	Color Parameter 3
6	0 - 255	0 - 100	Color Parameter 4
7	0 - 255	0 - 100	Color Parameter 5
8	0 - 255	0 - 100	Color Parameter 6
9	0 - 255	0 - 100	Color Parameter 7
10	0 - 255	0 - 100	Color Parameter 8
11	0 - 255	0 - 100	Crossfade To Color Color 1 To Color 2

# DMG LION™

## DMX Profiles



12	0 - 9	0 - 4	Color Mode 2
	10 - 19	4 - 7	White
	20 - 29	8 - 11	HSI
	30 - 39	12 - 15	RGBWAL
	40 - 49	16 - 19	Gel
	50 - 59	20 - 23	Source Match
	60 - 255	24 - 100	CIE 1931 XY
			Reserved
13	0 - 255	0 - 100	Color Parameter 1
14	0 - 255	0 - 100	Color Parameter 2
15	0 - 255	0 - 100	Color Parameter 3
16	0 - 255	0 - 100	Color Parameter 4
17	0 - 255	0 - 100	Color Parameter 5
18	0 - 255	0 - 100	Color Parameter 6
19	0 - 255	0 - 100	Color Parameter 7
20	0 - 255	0 - 100	Color Parameter 8
21	0	0	myMIX color memory
	1 - 30	1 - 12	Reserved
	31 - 255	12 - 100	Memory 1 To 30
			Reserved
22	0 - 4	0 - 2	Light Strobe
	5 - 255	2 - 100	No Effect 0.1 Flash/S To 25 Flashes/S
23	0 - 255	0 - 100	Control Channel
			<u>See Control Channel</u>
24*	0 - 9	0 - 3	Fans
	10 - 49	4 - 19	Auto
	50 - 99	20 - 38	Quiet
	100 - 149	39 - 58	Low
	150 - 249	59 - 97	Medium
	250 - 255	98 - 100	High
			Reserved
25*	0 - 19	0 - 7	Zoom
	20 - 255	8 - 100	No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

### Mode 15 – Global 8b Color Parameters

Color Mode			White
Color Parameter 1	0 – 255	0 – 100	Color Temperature (CCT) 1700K To 10,000K
Color Parameter 2	0 – 3 4 5 – 127 128 129 – 254 255	0 – 1 2 3 – 49 50 51 – 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green

Color Mode			HSI
Color Parameter 1	0 – 255	0 – 100	Color Temperature (CCT) 1700K To 10,000K
Color Parameter 2	0 – 255	0 – 100	Hue 0 To 360 Degrees
Color Parameter 3	0 – 255	0 – 100	Saturation 0% To 100%

Color Mode			RGBWAL
Color Parameter 1	0 – 255	0 – 100	Intensity Red 0% To 100%
Color Parameter 2	0 – 255	0 – 100	Intensity Green 0% To 100%
Color Parameter 3	0 – 255	0 – 100	Intensity Blue 0% To 100%
Color Parameter 4	0 – 255	0 – 100	Intensity White 0% To 100%
Color Parameter 5	0 – 255	0 – 100	Intensity Amber 0% To 100%
Color Parameter 6	0 – 255	0 – 100	Intensity Lime 0% To 100%

Color Mode			Gel
Color Parameter 1	0 – 25	0 – 10	Gel Brand ROSCO
	26 – 255	10 – 100	Reserved
Color Parameter 2	0 – 127	0 – 50	Gel CCT 3200K
	128 – 255	51 – 100	5600K

Color Parameter 3	0 - 50 51 - 101 102 - 152 153 - 203 204 - 255	0 - 20 20 - 40 40 - 60 60 - 80 80 - 100	Gel Type E-COLOUR+ ROSCOLUX CINEGEL SUPERGEL GAM
Color Parameter 4	0 - 255	0 - 100	Gel List <u>See GEL LIST</u>
Color Parameter 5	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect +1 Deg To +9 Deg +10 deg
Color Parameter 6	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%

Color Mode			Source Match
Color Parameter 1	0 - 4	0 - 2	Reserved
	5 - 9	2 - 4	Green Screen
	10 - 19	4 - 7	Blue Screen
	20 - 29	8 - 11	Xenon Headlamp
	30 - 39	12 - 15	Candle Flame
	40 - 49	16 - 19	Frosty Moonlight
	50 - 59	20 - 23	HP Sodium
	60 - 69	24 - 27	LP Sodium
	70 - 79	27 - 31	Tungsten Domestic
	80 - 89	31 - 35	Mercury Vapor
	90 - 99	35 - 39	Sodium Vapor
	100 - 255	39 - 100	Reserved

Color Mode			CIE 1931 XY
Color Parameter 1	0 - 255	0 - 100	X Coordinate 0 To 0.8000
Color Parameter 2	0 - 255	0 - 100	Y Coordinate 0 To 0.8000

### Mode 16 - Global 16b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer Closed To Open
2			
3	0 - 9	0 - 4	Color Mode 1
	10 - 19	4 - 7	White
	20 - 29	8 - 11	HSI
	30 - 39	12 - 15	RGBWAL
	40 - 49	16 - 19	Gel
	50 - 59	20 - 23	Source Match
	60 - 255	24 - 100	XY
			Reserved
4	0 - 65535	0 - 100	Color Parameter 1
5			
6	0 - 65535	0 - 100	Color Parameter 2
7			
8	0 - 65535	0 - 100	Color Parameter 3
9			
10	0 - 65535	0 - 100	Color Parameter 4
11			
12	0 - 65535	0 - 100	Color Parameter 5
13			
14	0 - 65535	0 - 100	Color Parameter 6
15			
16	0 - 65535	0 - 100	Color Parameter 7
17			
18	0 - 65535	0 - 100	Color Parameter 8
19			

20	0 - 65535	0 - 100	Crossfade To Color
21			Color 1 To Color 2
22	0 - 9	0 - 4	Color Mode 2
	10 - 19	4 - 7	White
	20 - 29	8 - 11	HSI
	30 - 39	12 - 15	RGBWAL
	40 - 49	16 - 19	Gel
	50 - 59	20 - 23	Source Match
	60 - 255	24 - 100	CIE 1931 XY
			Reserved
23	0 - 65535	0 - 100	Color Parameter 1
24			
25	0 - 65535	0 - 100	Color Parameter 2
26			
27	0 - 65535	0 - 100	Color Parameter 3
28			
29	0 - 65535	0 - 100	Color Parameter 4
30			
31	0 - 65535	0 - 100	Color Parameter 5
32			
33	0 - 65535	0 - 100	Color Parameter 6
34			
35	0 - 65535	0 - 100	Color Parameter 7
36			
37	0 - 65535	0 - 100	Color Parameter 8
38			
39	0	0	myMIX color memory
	1 - 30	1 - 12	Reserved
	31 - 255	12 - 100	Memory 1 To 30
			Reserved
40	0 - 4	0 - 2	Light Strobe
	5 - 255	2 - 100	No Effect 0.1 Flash/S To 25 Flashes/S
41	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
42*	0 - 9	0 - 3	Fans
	10 - 49	4 - 19	Auto
	50 - 99	20 - 38	Quiet
	100 - 149	39 - 58	Low
	150 - 249	59 - 97	Medium High



	250 - 255	98 - 100	Reserved
43*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
44*			Reserved

\*Motorized zoom and fans available on LION only

### Mode 16 - Global 16b Color Parameters

Color Mode			White
Color Parameter 1	0 - 65535	0 - 100	Color Temperature (CCT) 1700K To 10,000K
Color Parameter 2	0 - 764 765 766 - 32767 32768 32895 - 65534 65535	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green

Color Mode			HSI
Color Parameter 1	0 - 65535	0 - 100	Color Temperature (CCT) 1700K To 10,000K
Color Parameter 2	0 - 65535	0 - 100	Hue 0 To 360 Degrees
Color Parameter 3	0 - 65535	0 - 100	Saturation 0% To 100%

Color Mode			RGBWAL
Color Parameter 1	0 - 65535	0 - 100	Intensity Red 0% To 100%
Color Parameter 2	0 - 65535	0 - 100	Intensity Green 0% To 100%
Color Parameter 3	0 - 65535	0 - 100	Intensity Blue 0% To 100%
Color Parameter 4	0 - 65535	0 - 100	Intensity White 0% To 100%
Color Parameter 5	0 - 65535	0 - 100	Intensity Amber 0% To 100%

Color Parameter 6	0 - 65535	0 - 100	Intensity Lime 0% To 100%
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Color Mode			Gel
Color Parameter 1	0	0	Gel Brand
	1 - 6554	0 - 10	Reserved
	6555 - 65535	10 - 100	ROSCO
			Reserved
Color Parameter 2	0 - 32767	0 - 50	Gel CCT
	32768 - 65535	51 - 100	3200K 5600K
Color Parameter 3	0 - 12850	0 - 20	Gel Type
	12851 - 25957	20 - 40	E-COLOUR+
	25958 - 39064	40 - 60	ROSCOLUX
	39065 - 52171	60 - 80	CINEGEL
	52172 - 65535	80 - 100	SUPERGEL GAM
Color Parameter 4	0 - 65535	0 - 100	Gel List <u>See GEL LIST</u>
Color Parameter 5	0 - 1027	0 - 1	Gel Hue
	1028	2	Neutral / No Effect
	1029 - 32767	3 - 49	-10 Deg
	32768	50	-9 Deg To -1 Deg
	32769 - 65534	51 - 99	Neutral / No Effect
	65536	100	+1 Deg To +9 Deg +10 Deg
Color Parameter 6	0 - 1027	0 - 1	Gel Sat
	1028	2	Neutral / No Effect
	1029 - 32767	3 - 49	-20 %
	32768	50	-19 % To -1 %
	32769 - 65534	51 - 99	Neutral / No Effect
	65536	100	+1% To +19 % +20%

Color Mode			Source Match
Color Parameter 1	0 - 1028	0 - 2	Reserved
	1029 - 2313	2 - 4	Green Screen
	2314 - 4883	4 - 7	Blue Screen
	4884 - 7453	8 - 11	Xenon Headlamp
	7454 - 10023	12 - 15	Candle Flame
	10024 - 12593	16 - 19	Frosty Moonlight
	12594 - 15163	20 - 23	HP Sodium
	15164 - 17733	24 - 27	LP Sodium
	17734 - 20303	27 - 31	Tungsten Domestic
	20304 - 22873	31 - 35	Mercury Vapor
	22874 - 25443	35 - 39	Sodium Vapor
	25444 - 65535	39 - 100	Reserved

Color Mode			CIE 1931 XY
Color Parameter 1	0 - 65535	0 - 100	X Coordinate 0 To 0.8000
Color Parameter 2	0 - 65535	0 - 100	Y Coordinate 0 To 0.8000

## NEW GEL MODE

### Mode 17 - Legacy New Gel Mode 8b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0	0	Gel Brand
	1 - 25	0 - 10	Reserved
	26 - 255	10 - 100	ROSCO Reserved
3	26 - 127	10 - 50	Gel CCT 3200K
	128 - 255	50 - 100	5600K
4	0 - 50	0 - 20	Gel Type E-COLOUR+
	51 - 101	20 - 40	ROSCOLUX
	102 - 152	40 - 60	CINEGEL

	153 - 203 204 - 255	60 - 80 80 - 100	SUPERGEL GAM
5	0 - 255	0 - 100	Gel List <u>See GEL LIST</u>
6	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect + 1 Deg To +9 Deg + 10 Deg
7	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%

### Mode 33 – New Gel Mode 8b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0	0	Gel Brand
	1 - 25	0 - 10	Reserved
	26 - 255	10 - 100	ROSCO Reserved
3	26 - 127	10 - 50	Gel CCT
	128 - 255	50 - 100	3200K 5600K
4	0 - 50	0 - 20	Gel Type
	51 - 101	20 - 40	E-COLOUR+
	102 - 152	40 - 60	ROSCOLUX
	153 - 203	60 - 80	CINEGEL
	204 - 255	80 - 100	SUPERGEL GAM
5	0 - 255	0 - 100	Gel List

			<u>See GEL LIST</u>
6	0 - 3 4 5 - 127	0 - 1 2 3 - 49	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg
	128 129 - 254 255	50 51 - 99 100	Neutral / No Effect +1 Deg To +9 Deg +10 Deg
7	0 - 3 4 5 - 127	0 - 1 2 3 - 49	Gel Sat Neutral / No Effect -20 % -19 % To -1 %
	128 129 - 254 255	50 51 - 99 100	Neutral / No Effect +1% To +19 % +20%
8	0 - 255	0 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
9			Control Channel
	0 - 255	0 - 100	<a href="#">See Control Channel</a>
10*	0 - 9	0 - 3	Fans Auto
	10 - 49	4 - 19	Quiet
	50 - 99	20 - 38	Low
	100 - 149	39 - 58	Medium
	150 - 249	59 - 97	High
	250 - 255	98 - 100	Reserved
11*	0 - 19	0 - 7	Zoom No Effect
	20 - 255	8 - 100	Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

# DMG LION™

## DMX Profiles



Mode 34 - New Gel Mode D16

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0	0	Gel Brand
	1 - 25	0 - 10	Reserved
	26 - 255	10 - 100	ROSCO
			Reserved
4	26 - 127	10 - 50	Gel CCT
	128 - 255	50 - 100	3200K 5600K
5	0 - 50	0 - 20	Gel Type
	51 - 101	20 - 40	E-COLOUR+
	102 - 152	40 - 60	ROSCOLUX
	153 - 203	60 - 80	CINEGEL
	204 - 255	80 - 100	SUPERGEL GAM
6	0 - 255	0 - 100	Gel List <u>See GEL LIST</u>
7	0 - 3	0 - 1	Gel Hue
	4	2	Neutral / No Effect
	5 - 127	3 - 49	-10 Deg
	128	50	-9 Deg To -1 Deg
	129 - 254	51 - 99	Neutral / No Effect
	255	100	+1 Deg To +9 Deg +10 Deg
8	0 - 3	0 - 1	Gel Sat
	4	2	Neutral / No Effect
	5 - 127	3 - 49	-20 %
	128	50	-19 % To -1 %
	129 - 254	51 - 99	Neutral / No Effect
255	100	+1% To +19 % +20%	
9	0 - 4	0 - 2	Light Strobe
	5 - 255	2 - 100	No Effect 0.1 Flash/S To 25 Flashes/S
10	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>

11*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
12*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

## X,Y

### Mode 21 - Legacy X,Y 8b

CIE 1931 XY Coordinates

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	X Coordinate 0 To 0.8000
3	0 - 255	0 - 100	Y Coordinate 0 To 0.8000

### Mode 37 - X,Y 8b

CIE 1931 XY Coordinates

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	X Coordinate 0 To 0.8000
3	0 - 255	0 - 100	Y Coordinate 0 To 0.8000
4	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S

5	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
6*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
7*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION

### Mode 22 - Legacy X, Y 16b

CIE 1931 XY Coordinates

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 65535	0 - 100	X Coordinate
4			0 To 0.8000
5	0 - 65535	0 - 100	Y Coordinate
6			0 To 0.8000

### Mode 38 - X, Y 16b

CIE 1931 XY Coordinates

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 65535	0 - 100	X Coordinate
4			0 To 0.8000
5	0 - 65535	0 - 100	Y Coordinate
6			0 To 0.8000
7	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
8	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>



9*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
10*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
11*			Reserved

\*Motorized zoom and fans available on LION only

## HSI GEL

### Mode 41 - HSI GEL 8b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 1700K To 10,000K
3	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
4	0 - 255	0 - 100	Hue 0 To 360 Degrees
5	0 - 255	0 - 100	Saturation 0% To 100%
6	0 - 255	0 - 100	Crossfade Color To Gels
7	0	0	Gel Brand
	1 - 25	0 - 10	Reserved
	26 - 255	10 - 100	ROSCO
			Reserved

8	26 - 127 128 - 255	10 - 50 50 - 100	Gel CCT 3200K 5600K
9	0 - 50 51 - 101 102 - 152 153 - 203 204 - 255	0 - 20 20 - 40 40 - 60 60 - 80 80 - 100	Gel Type E-COLOUR+ ROSCOLUX CINEGEL SUPERGEL GAM
10	0 - 255	0 - 100	Gel List <u>See GEL LIST</u>
11	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect +1 Deg To +9 Deg +10 Deg
12	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%
13	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
14	0 - 255	0 - 100	Control Channel <u>See Control Channel</u>
15*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved

16*	0 - 19	0 - 7	Zoom
	20 - 255	8 - 100	No Effect
			Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

### Mode 42 - HSI GEL 16b

See GEL LIST

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer
2			Closed To Open
3	0 - 65535	0 - 100	Color Temperature (CCT)
4			1700K To 10,000K
5	0 - 3	0 - 1	Green / Magenta
	4	2	Neutral / No Effect
	5 - 127	3 - 49	Full Minus Green
	128	50	-99% To -1%
	129 - 254	51 - 99	Neutral / No Effect
	255	100	1% To 99%
			Full Plus Green
6	0 - 65535	0 - 100	Hue
7			0 To 360 Degrees
8	0 - 255	0 - 100	Saturation 0% To 100%
9	0 - 255	0 - 100	Crossfade Color To Gels
10	0	0	Gel Brand
	1 - 25	0 - 10	Reserved
	26 - 255	10 - 100	ROSCO
			Reserved
11	26 - 127	10 - 50	Gel CCT
	128 - 255	50 - 100	3200K 5600K
12	0 - 50	0 - 20	Gel Type
	51 - 101	20 - 40	E-COLOUR+
	102 - 152	40 - 60	ROSCOLUX
	153 - 203	60 - 80	CINEGEL
	204 - 255	80 - 100	SUPERGEL GAM

13	0 - 255	0 - 100	Gel List <u>See GEL LIST</u>
14	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Hue Neutral / No Effect -10 Deg -9 Deg To -1 Deg Neutral / No Effect +1 Deg To +9 Deg +10 Deg
15	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Gel Sat Neutral / No Effect -20 % -19 % To -1 % Neutral / No Effect +1% To +19 % +20%
16	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
17	0 - 255	0 - 100	Control Channel  <u>See Control Channel</u>
18*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
19*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
20*			Reserved

\*Motorized zoom and fans available on LION only

## WHITE MIX MATCHES PUNCH COLOR SPACE

Mode 101 – Legacy White 8b (PUNCH Color Space)

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 2700K To 6500K
3	0 - 3	0 - 1	Green / Magenta
	4	2	Neutral / No Effect
	5 - 127	3 - 49	Full Minus Green
	128	50	-99% To -1%
	129 - 254	51 - 99	Neutral / No Effect
	255	100	1% To 99%
			Full Plus Green
4*	0 - 9	0 - 3	Fans
	10 - 49	4 - 19	Auto
	50 - 99	20 - 38	Quiet
	100 - 149	39 - 58	Low
	150 - 249	59 - 97	Medium
	250 - 255	98 - 100	High
			Reserved
5*	0 - 19	0 - 7	Zoom
	20 - 255	8 - 100	No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

Mode 123 – White 8b (PUNCH Color Space)

DMX Channel	DMX Value	Percent	Function
1	0 - 255	0 - 100	Dimmer Closed To Open
2	0 - 255	0 - 100	Color Temperature (CCT) 2700K To 6500K
3	0 - 3	0 - 1	Green / Magenta
	4	2	Neutral / No Effect
	5 - 127	3 - 49	Full Minus Green
	128	50	-99% To -1%
	129 - 254	51 - 99	Neutral / No Effect
	255	100	1% To 99%
			Full Plus Green

4	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
5	0 - 255	0 - 100	Control channel  <u>See Control Channel</u>
6*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
7*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°

\*Motorized zoom and fans available on LION only

### Mode 124 - White 16b (PUNCH Color Space)

DMX Channel	DMX Value	Percent	Function
1	0 - 65535	0 - 100	Dimmer Closed To Open
2			
3	0 - 65535	0 - 100	Color Temperature (CCT) 2700K To 6500K
4			
5	0 - 3 4 5 - 127 128 129 - 254 255	0 - 1 2 3 - 49 50 51 - 99 100	Green / Magenta Neutral / No Effect Full Minus Green -99% To -1% Neutral / No Effect 1% To 99% Full Plus Green
6	0 - 4 5 - 255	0 - 2 2 - 100	Light Strobe No Effect 0.1 Flash/S To 25 Flashes/S
7	0 - 255	0 - 100	Control channel <u>See Control channel</u>

8*	0 - 9 10 - 49 50 - 99 100 - 149 150 - 249 250 - 255	0 - 3 4 - 19 20 - 38 39 - 58 59 - 97 98 - 100	Fans Auto Quiet Low Medium High Reserved
9*	0 - 19 20 - 255	0 - 7 8 - 100	Zoom No Effect Linear Spot 15° - Flood 75°
10*			Reserved

\*Motorized zoom and fans control available on LION only



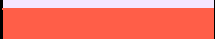



















## CONTROL CHANNEL

DMX Channel	DMX Value	Percent	Function
Control Channel (Depends on DMX Mode)			Dimming Curves
	0 - 10	0 - 4	Reserved
	11 - 20	4 - 8	Linear
	21 - 30	8 - 12	Square Law
	31 - 40	12 - 16	S Curve
	41 - 50	16 - 20	Tungsten Emulate
	51 - 60	20 - 24	Exponential
	61 - 80	24 - 31	CRMX Unlink
	81 - 90	32 - 35	Reserved
	91 - 100	36 - 39	Bluetooth ON
	101 - 110	40 - 43	Bluetooth OFF
	111 - 120	44 - 47	Reserved
	121 - 130	47 - 51	RDM OFF
	131 - 140	51 - 55	RDM ON
	141 - 150	55 - 59	DMX Smoothing OFF
	151 - 153	59 - 60	DMX Smoothing LOW
	154 - 156	60 - 61	DMX Smoothing MEDIUM
	157 - 160	61 - 62	DMX Smoothing HIGH
	161 - 170	63 - 67	Save Colors To myMIX Library

How to use: To activate any of the control channels' macros, select the desired row and hold it for 3 seconds, then release it.















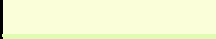
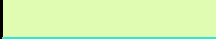



















### GEL LIST

#### E-COLOUR+





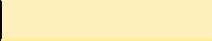








Rosco Number	Gel name	DMX Value New Gel2 Mode		DMX Call Up Number (Legacy Profile)	Color
		CH 4	CH 5		
E002	Rose Pink	0-50	0	157	
E003	Lavender Tint	0-50	1	158	
E008	Dark Salmon	0-50	2	195	
E024	Scarlet	0-50	3	160	
E025	Sunset Red	0-50	4	106	
E036	Medium Pink	0-50	5	118	
E039	Pink Carnation	0-50	6	107	
E049	Medium Purple	0-50	7	188	
E061	Mist Blue	0-50	8	189	
E088	Lime Green	0-50	9	190	
E089	Moss Green	0-50	10	112	
E102	Light Amber	0-50	11	161	
E103	Straw	0-50	12	121	
E108	English Rose	0-50	13	191	
E109	Light Salmon	0-50	14	162	
E110	Middle Rose	0-50	15	122	
E111	Dark Pink	0-50	16	192	
E115	Peacock Blue	0-50	17	123	
E117	Steel Blue	0-50	18	113	
E118	Light Blue	0-50	19	124	
E121	Leaf Green	0-50	20	193	
E122	Fern Green	0-50	21	163	
E126	Mauve	0-50	22	125	
E127	Smokey Pink	0-50	23	194	
E128	Bright Pink	0-50	24	126	
E131	Marine Blue	0-50	25	164	
E134	Golden Amber	0-50	26	127	
E136	Pale Lavender	0-50	27	174	
E137	Special Lavender	0-50	28	165	
E138	Pale Green	0-50	29	166	
E140	Summer Blue	0-50	30	196	
E143	Pale Navy Blue	0-50	31	167	
E144	No Color Blue	0-50	32	197	
E147	Apricot	0-50	33	128	





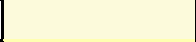















### E-COLOUR+ (Cont'd)

Rosco Number	Gel Name	DMX Value New Gel2 Mode		DMX Call Up Number (Legacy Profile)	Color
		CH 4	CH 5		
E148	Bright Rose	0-50	34	198	
E152	Pale Gold	0-50	35	129	
E153	Pale Salmon	0-50	36	130	
E157	Pink	0-50	37	199	
E161	Slate Blue	0-50	38	200	
E162	Bastard Amber	0-50	39	132	
E164	Flame Red	0-50	40	201	
E165	Daylight Blue	0-50	41	202	
E166	Pale Red	0-50	42	203	
E170	Deep Lavender	0-50	43	204	
E174	Dark Steel Blue	0-50	44	168	
E176	Loving Amber	0-50	45	205	
E183	Moonlight Blue	0-50	46	206	
E193	Rosy Amber	0-50	47	207	
E212	LCT Yellow	0-50	48	208	
E213	White Flame Green	0-50	49	209	
E219	Fluorescent Green	0-50	50	210	
E286	1.5 CT Orange	0-50	51	228	
E287	Double CTO	0-50	52	233	
E322	Soft Green	0-50	53	211	
E323	Jade	0-50	54	212	
E328	Follies Pink	0-50	55	213	
E341	Plum	0-50	56	180	
E344	Violet	0-50	57	214	
E345	Fushia Pink	0-50	58	181	
E353	Lighter Blue	0-50	59	142	
E366	Cornflower	0-50	60	184	
E441	Full CTS	0-50	61	234	
E442	Half CTS	0-50	62	235	
E443	Quarter CTS	0-50	63	236	
E444	Eighth CTS	0-50	64	237	
E504	Waterfront Green	0-50	65	215	
E505	Sally Green	0-50	66	216	
E506	Marlene	0-50	67	217	
E550	Gold Metal	0-50	68	227	
E650	Industry Sodium	0-50	69	224	

### E-COLOUR+ (Cont'd)

Rosco Number	Gel Name	DMX Value New Gel2 Mode		DMX Call Up Number (Legacy Profile)	Color
		CH 4	CH 5		
E651	HI Sodium	0-50	70	223	
E652	Urban Sodium	0-50	71	222	
E730	Liberty Green	0-50	72	220	
E733	Damp Squib	0-50	73	221	
E763	Wheat	0-50	74	225	
E764	Sun Colored Straw	0-50	75	226	
E765	Sunlight Yellow	0-50	76	186	
E773	Cardbox Amber	0-50	77	232	
E776	Nectarine	0-50	78	231	
E779	Bastard Pink	0-50	79	230	
E5336	Aztec Gold	0-50	80	229	
E5455	Taragon	0-50	81	218	
E5461	Grotto Green	0-50	82	219	

### ROSCOLUX

Rosco Number	Gel Name	DMX Value New Gel2 Mode		DMX Call Up Number (Legacy Profile)	Color
		CH 4	CH 5		
R02	Bastard Amber	51-101	0	159	
R04	Medium Bastard Amber	51-101	1	101	
R06	No Color Straw	51-101	2	119	
R07	Pale Yellow	51-101	3	102	
R08	Pale Gold	51-101	4	120	
R09	Pale Amber Gold	51-101	5	103	
R13	Straw Tint	51-101	6	104	
R16	Light Amber	51-101	7	131	
R17	Light Flame	51-101	8	133	
R18	Flame	51-101	9	105	
R26	Light Red	51-101	10	169	
R33	No Color Pink	51-101	11	139	
R34	Floral Pink	51-101	12	141	
R37	Pale Rose Pink	51-101	13	144	
R39	Skelton Exotic Sangria	51-101	14	149	
R41	Salmon	51-101	15	150	
R44	Middle Rose	51-101	16	151	
R47	Lt Rose Purple	51-101	17	108	

ROSCOLUX (Cont'd)

Rosco Number	Gel Name	DMX Value New Gel2 Mode		DMX Call Up Number (Legacy Profile)	Color
		CH 4	CH 5		
R51	Surprise Pink	51-101	18	109	
R54	Special Lavender	51-101	19	110	
R65	Daylight Blue	51-101	20	152	
R80	Primary Blue	51-101	21	111	
R87	Pale Yellow Green	51-101	22	153	
R88	Light Green	51-101	23	154	
R92	Turquoise	51-101	24	155	
R96	Lime	51-101	25	187	
R99	Chocolate	51-101	26	156	
R302	Pale Bastard Amber	51-101	27	134	
R303	Warm Peach	51-101	28	170	
R304	Pale Apricot	51-101	29	171	
R305	Rose Gold	51-101	30	172	
R310	Daffodil	51-101	31	135	
R316	Gallo Gold	51-101	32	173	
R318	Mayan Sun	51-101	33	136	
R321	Soft Golden Amber	51-101	34	137	
R324	Cherry Red	51-101	35	175	
R325	Henna Sky	51-101	36	138	
R331	Shell Pink	51-101	37	176	
R332	Cherry Pink	51-101	38	177	
R333	Blush Pink	51-101	39	140	
R336	Billington Pink	51-101	40	178	
R337	True Pink	51-101	41	179	
R339	Broadway Pink	51-101	42	114	
R349	Fisher Fuchsia	51-101	43	182	
R362	Tipton Blue	51-101	44	183	
R364	Blue Bell	51-101	45	143	
R368	Winkler Blue	51-101	46	185	
R375	Cerulean Blue	51-101	47	145	
R376	Bermuda Blue	51-101	48	146	
R378	Alice Blue	51-101	49	147	
R381	Baldassari Blue	51-101	50	148	
R2002	Storaro Orange	51-101	51	115	
R2005	Storaro Cyan	51-101	52	116	
R2009	Storaro Violet	51-101	53	117	

# DMG LION™

## DMX Profiles

### SOURCE MATCH



Source Match Name	DMX Call Up Number
Green Screen	701
Blue Screen	702
Xenon Headlamp	703
Candle Flame	704
Frosty Moonlight	705
HP Sodium	706
LP Sodium	707
Tungsten Domestic	708
Mercury Vapor	709
Sodium Vapor	710

