9. DMX CHANNEL TRAITS

6 Channel Mode: This chart details a simple layout of the DMX channel assignment in 6-channel mode. The chart traits will vary slightly for 12 channel and 15-channel operation, as those modes use more RGB channels for more precise control.

%	1	2	3	4	5	6
	Red	Green	Blue	Special	Strobe	Dimmer
100% -					\bigcirc	\bigcirc
				Program 8	, F , F	
75% -				Program 7	F RANDOM STROBE	
				Program 6	\cap	
50% -				Program 5		
				Program 4	\bigcirc	
050/				Program 3	Ţ	
25% -				Program 2	J.	
				Program 1		
0% -						

CHANNEL 1:Red CHANNEL 2:Green CHANNEL 3:Blue CHANNEL 4: Internal programs: CHANNEL 5:Strobe CHANNEL 6: Dimming (0%-100%)

©Elation Professional, Los Angeles Ca.

DMX cha	nnel's functions and their values (6 Channel Mode):
<u>Channel</u>	<u>1 - Red:</u>
0-255	Red (0-Black, 255-100% Red)
<u>Channel</u>	2 - Green:
0-255	Green (0-Black, 255- 100% Green)
<u>Channel</u>	<u>3 - Blue:</u>
221-255	Blue (0-Black, 255- 100% Blue)
<u>Channel</u>	4 - Internal programs:
0-10	No function
11-40	Internal program 1
41-70	Internal program 2
71-100	Internal program 3
101-130	Internal program 4
131-160	Internal program 5
161-190	Internal program 6
191-220	Internal program 7
221-255	Internal program 8
<u>Channel</u>	5 - Strobe:
0	No function
1~95	Strobe effect slow to fast
96-127	No function
128-159	Pulse effect in sequences
160-191	No function
192-223	Random strobe effect slow to fast
224-255	No function

Channel 6 - General dimming / Program Speed Control

This channel has two functions depending on the operating mode. When running the built-in programs this channel will control the program speed.

0-255	Dimming (0%-100%) ~ Normal Operation
0-255	Speed (min to max) ~ When running built-in programs on channel 4

12 Channel Mode: This chart details a simple layout of the DMX channel assignment in 12-channel mode. In this mode all channels are used to control the various RGB LEDs.

Channel mode 12:			
%	1-12 LEDS		
100% -			
75% -			
50% -			
25% -			
0% -			

DMX channel's functions and their values (12 Channel Mode):			
Channel 1	- Red:		
0-255	Red (0-Black, 255-100% Red)		
Channel 2	- Green:		
0-255	Green (0-Black, 255- 100% Green)		

Channel 3 - Blue:	•
221-255	Blue (0-Black, 255- 100% Blue)
Channel 4 - Rec	<u>1:</u>
0-255	Red (0-Black, 255-100% Red)
Channel 5 - Gre	en:
0-255	Green (0-Black, 255- 100% Green)
Channel 6 - Blue:	
221-255	Blue (0-Black, 255- 100% Blue)
Channel 7 - Rec	<u>1:</u>
0-255	Red (0-Black, 255-100% Red)
Channel 8 - Gre	en:
0-255	Green (0-Black, 255- 100% Green)
Channel 9 - Blue:	
221-255	Blue (0-Black, 255- 100% Blue)
Channel 10 - Re	ed:
0-255	Red (0-Black, 255-100% Red)
Channel 11 - Gr	een:
0-255	Green (0-Black, 255- 100% Green)
Channel 12 - Blue	<u>e:</u>
221-255	Blue (0-Black, 255- 100% Blue)

15 Channel Mode: This chart details a simple layout of the DMX channel assignment in 15-channel mode. In this mode channels 1~12 are used to control the various RGB LEDs and channels 13~15 will control special features.

%	1-12 LEDS	13 Auto Program	14 Strobe	15 Master dimming/ program speed
100% -		Program 8	0	0
		Program 7	7	
75% -		Program 6	RANDOM STROBE	
		Program 5	I.	
50% -		Program 4	Pulse-effect in sequences	
		Program 3	\bigcirc	
25% -		Program 2	Ĭ,	
		Program 1	0	
0% -		Normal		

DMX cha	nnel's functions and their values (15 Channel Mode):
<u>Channel</u>	<u>1 - Red:</u>
0-255	Red (0-Black, 255-100% Red)
<u>Channel</u>	2 - Green:
0-255	Green (0-Black, 255- 100% Green)
<u>Channel</u>	<u>3 - Blue:</u>
221-255	Blue (0-Black, 255- 100% Blue)
<u>Channel</u>	4 - Red:
0-255	Red (0-Black, 255-100% Red)

Channel mode 15

<u>Channel</u>	5 - Green:
0-255	Green (0-Black, 255- 100% Green)
<u>Channel</u>	<u>6 - Blue:</u>
221-255	Blue (0-Black, 255- 100% Blue)
Channel	7 - Red:
0-255	Red (0-Black, 255-100% Red)
Channel	8 - Green:
0-255	Green (0-Black, 255- 100% Green)
Channel	9 - Blue:
221-255	Blue (0-Black, 255- 100% Blue)
<u>Channel</u>	10 - Red:
0-255	Red (0-Black, 255-100% Red)
	<u>11 - Green:</u>
0-255	Green (0-Black, 255- 100% Green)
Channel	12 - Blue:
221-255	Blue (0-Black, 255- 100% Blue)
Chennel	12 Internel pregrame:
	13 - Internal programs:
0-10	No function
11-40	Internal program 1
41-70	Internal program 2
71-100	Internal program 3

101-130	Internal program 4
131-160	Internal program 5
161-190	Internal program 6
191-220	Internal program 7
221-255	Internal program 8
<u>Channel</u>	14 - Strobe:
0	No function
1~95	Strobe effect slow to fast
96-127	No function
128-159	Pulse effect in sequences
160-191	No function
192-223	Random strobe effect slow to fast
224-255	No function

Channel 15 - General dimming / Program Speed Control

This channel has two functions depending on the operating mode. When running the built-in programs this channel will control the program speed.

0-255 Dimming (0%-100%) ~ Normal Operation

0-255 Speed (min to max) ~ When running built-in programs on channel 4