Mini-B
DMX Chart

OPERATING MODES

The projector has 4 operating modes: Basic RGBW, Basic RGBW 16bit, Extended RGBW and Extended RGBW 16bit.

The Basic mode has the single control of all the LEDs, while the Extended mode has the control of the central LED in separated channels compare the circle LEDs.

DMX MODES

DMX Mode	*Number of parameter*	*Color Control Mode*	*Notes*
Basic RGBW	16	RGBW 8bit	All LEDs in 1 layer
Basic RGBW 16bit	20	RGBW 16bit	All LEDs in 1 layer
Extended RGBW	20	RGBW 8bit	Centre and Circle LED in separated channels
Extended RGBW 16bit	28	RGBW 16bit	Centre and Circle LED in separated channels

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DMX Parameter number	Basic RGBW	Basic RGBW 16bit	Extended RGBW	Extended RGBW 16bit
1	Red	Red	Red Circle	Red Circle
2	Green	Red fine	Green Circle	Red Circle fine
3	Blue	Green	Blue Circle	Green Circle
4	White	Green fine	White Circle	Green Circle fine
5	CTO	Blue	Red Centre	Blue Circle
6	Macro color	Blue fine	Green Centre	Blue Circle fine
7	Strobe	White	Blue Centre	White Circle
8	Dimmer	White fine	White Centre	White Circle fine
9	Dimmer fine	CTO	CTO	Red Centre
10	Pan	Macro color	Macro color	Red Centre fine
11	Pan fine	Strobe	Strobe	Green Centre
12	Tilt	Dimmer	Dimmer	Green Centre fine
13	Tilt fine	Dimmer fine	Dimmer fine	Blue Centre
14	Zoom	Pan	Pan	Blue Centre fine
15	Function	Pan fine	Pan fine	White Centre
16	Reset	Tilt	Tilt	White Centre fine
17	-	Tilt fine	Tilt fine	CTO
18	-	Zoom	Zoom	Macro color
19	-	Function	Function	Strobe
20	-	Reset	Reset	Dimmer
21	-	-	-	Dimmer fine
22	-	-	-	Pan
23	-	-	-	Pan fine
24	-	-	-	Tilt
25	-	-	-	Tilt fine
26	-	-	-	Zoom
27	-	-	-	Function
28	-	-	-	Reset

BASIC MODE

RGBW	RGBW 16bit	DMX value	Function	
1	**1**		**RED**	
		0 - 255	Red colour linearly increases from no-light to maximum intensity	
-	**2**		**RED FINE**	
		0 - 255	Red colour fine control	
2	**3**		**GREEN**	
		0 - 255	Green colour linearly increases from no-light to maximum intensity	
-	**4**		**GREEN FINE**	
		0 - 255	Green colour fine control	
3	**5**		**BLUE**	
		0 - 255	Blue colour linearly increases from no-light to maximum intensity	
-	**6**		**BLUE FINE**	
		0 - 255	Blue colour fine control	
4	**7**		**WHITE**	
		0 - 255	White colour linearly increases from no-light to maximum intensity	
-	**8**		**WHITE FINE**	
		0 - 255	White colour fine control	
5	**9**		**CTO**	
			Colour Temperature linearly change from 8000K to 2500K	
		0-9	Unused range	
		10 …	8000 K	
		54 …	7000 K	
		99 …	6000 K	
		117 …	5600 K	
		144 …	5000 K	
		188 …	4000 K	
		224 …	3200 K	
		255	2500 K	
6	**10**		**MACRO COLOR**	
		0 - 255	See chart page 10-11	

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DMX Chart

RGBW	RGBW 16bit	DMX value	Function
7	**11**		**STROBE**
		0 - 3	Light OFF
		4 - 103	Strobe at linearly variable frequency from low (1Hz) to fast (25Hz)
		104 - 107	Light ON
		108 - 207	Pulsation at linearly variable speed from slow (0.5 Hz) to fast (25 Hz)
		208 - 212	Light ON
		213 - 225	Random Slow Strobe
		226 - 238	Random Medium Strobe
		239 - 251	Random Fast Strobe
		252 - 255	Light ON
8	**12**		**DIMMER**
		0 - 255	Light output linearly increases from off to maximum brightness
9	**13**		**DIMMER FINE**
		0 - 255	Fine Dimmer positioning
10	**14**		**PAN**
		0 - 255	Pan movement/positioning <<< counter-clockwise from 0° to 540° (invert Pan=Off; Invert Tilt=Off)
11	**15**		**PAN FINE**
		0 - 255	Fine Pan positioning
12	**16**		**TILT**
		0 - 255	Tilt movement/positioning >>>>> clockwise from 0° to 210° (invert Pan=Off; Invert Tilt=Off)
13	**17**		**TILT FINE**
		0 - 255	Fine Tilt positioning
14	**18**		**ZOOM**
		0 - 255	Zoom linearly moves from narrow to wide beam

RGBW	RGBW 16bit	DMX value	Function	
			FUNCTION	
		0 - 11	Unused range	
		12 - 24	Fast P&T speed (Default)	
		25 - 37	Normal P&T speed	
		38 - 42	Dimmer curve 1 (Default)	Details at page 8
		43 - 47	Dimmer curve 2	
15	**19**	48 - 52	Dimmer curve 3	
		53 - 57	Dimmer curve 4	
		58 - 62	Raw color channels gamma 1	Details at page 8
		63 - 67	Raw color channels gamma 1.5	
		68 - 72	Raw color channels gamma 2.2 (Default)	
		73-167	Free	
		178-188	Base frequency=600Hz	
		189-199	Base frequency=1200Hz (Default)	
		200-210	Base frequency=2000Hz	
		211-221	Base frequency=4000Hz	
		222-232	Base frequency=6000Hz	
		233-243	Base frequency=25000Hz	
		244-255	Default function recall	
			RESET	
		0 - 25	Unused range	
16	**20**	26 - 76	Zoom Reset Zoom Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds	
		77 - 127	Pan / Tilt Reset Pan/Tilt Reset sequence passing through the unused levels range and staying in this range for 5 seconds.	
		128 - 255	Complete Reset All-effects Reset sequence passing through the unused levels range and staying in this range for 5 seconds.	

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EXTENDED MODE

Extended RGBW	Extended RGBW16bit	DMX value	Function	
1	**1**		**RED CIRCLE**	
		0 - 255	Red colour circle linearly increases from no-light to maximum intensity	
-	**2**		**RED CIRCLE FINE**	
		0 - 255	Red colour circle fine control.	
2	**3**		**GREEN CIRCLE**	
		0 - 255	Green colour circle linearly increases from no-light to maximum intensity	
-	**4**		**GREEN CIRCLE FINE**	
		0 - 255	Green colour circle fine control.	
3	**5**		**BLUE CIRCLE**	
		0 - 255	Blue colour circle linearly increases from no-light to maximum intensity.	
-	**6**		**BLUE CIRCLE FINE**	
		0 - 255	Blue colour circle fine control.	
4	**7**		**WHITE CIRCLE**	
		0 - 255	White colour circle linearly increases from no-light to maximum intensity	
-	**8**		**WHITE CIRCLE FINE**	
		0 - 255	White colour circle control.	
5	**9**		**RED CENTRE**	
		0 - 255	Red colour centre led linearly increases from no-light to maximum intensity	
-	**10**		**RED CENTRE FINE**	
		0 - 255	Red colour centre led fine control.	
6	**11**		**GREEN CENTRE**	
		0 - 255	Green colour centre led linearly increases from no-light to maximum intensity	
-	**12**		**GREEN CENTRE FINE**	
		0 - 255	Green colour centre led fine control	
7	**13**		**BLUE CENTRE**	
		0 - 255	Blue colour centre led linearly increases from no-light to maximum intensity	
-	**14**		**BLUE CENTRE FINE**	
		0 - 255	Blue colour centre led fine control	
8	**15**		**WHITE CENTRE**	
		0 - 255	White colour centre led linearly increases from no-light to maximum intensity	
-	**16**		**WHITE CENTRE FINE**	
		0 - 255	White colour centre led fine control.	

MiniB – DMX Chart

Extended RGBW	Extended RGBW16bit	DMX value	Function
9	**17**		**CTO** Colour Temperature linearly change from 8000K to 2500K
		0-9	Unused range
		10 …	8000 K
		54 …	7000 K
		99 …	6000 K
		117 …	5600 K
		144 …	5000 K
		188 …	4000 K
		224 …	3200 K
		255	2500 K
10	**18**		**MACRO COLOR**
		0 - 255	See chart page 9 / 10
11	**19**		**STROBE**
		0 - 3	Light OFF
		4 - 103	Strobe at linearly variable frequency from low (1Hz) to fast (25Hz)
		104 - 107	Light ON
		108 - 207	Pulsation at linearly variable speed from slow (0.5 Hz) to fast (25 Hz)
		208 - 212	Light ON
		213 - 225	Random Slow Strobe
		226 - 238	Random Medium Strobe
		239 - 251	Random Fast Strobe
		252 - 255	Light ON
12	**20**		**DIMMER**
		0 - 255	Light output linearly increases from off to maximum brightness
13	**21**		**DIMMER FINE**
		0 - 255	Fine Dimmer positioning
14	**22**		**PAN**
		0 - 255	Pan movement/positioning <<< counter-clockwise from 0° to 540° (invert Pan=Off; Invert Tilt=Off)
15	**23**		**PAN FINE**
		0 - 255	Fine Pan positioning
16	**24**		**TILT**
		0 - 255	Tilt movement/positioning >>>>> clockwise from 0° to 210° (invert Pan=Off; Invert Tilt=Off)

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Extended RGBW	Extended RGBW16bit	DMX value	Function	
17	**25**		**TILT FINE**	
		0 - 255	Fine Tilt positioning	
18	**26**		**ZOOM**	
		0 - 255	Zoom linearly moves from narrow to wide beam	
19	**27**		**FUNCTION**	
		0 - 11	Unused range	
		12 - 24	Fast P&T speed (Default)	
		25 - 37	Normal P&T speed	
		38 - 42	Dimmer curve 1 (Default)	Details at page 9
		43 - 47	Dimmer curve 2	
		48 - 52	Dimmer curve 3	
		53 - 57	Dimmer curve 4	
		58 - 62	Raw color channels gamma 1	Details at page 9
		63 - 67	Raw color channels gamma 1.5	
		68 - 72	Raw color channels gamma 2.2 (Default)	
		73-167	Free	
		178-188	Base frequency=600Hz	
		189-199	Base frequency=1200Hz (Default)	
		200-210	Base frequency=2000Hz	
		211-221	Base frequency=4000Hz	
		222-232	Base frequency=6000Hz	
		233-243	Base frequency=25000Hz	
		244-255	Default function recall	
20	**28**		**RESET**	
		0 - 25	Unused range	
		26 - 76	Zoom Reset Zoom Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds	
		77 - 127	Pan / Tilt Reset Pan/Tilt Reset sequence passing through the unused levels range and staying in this range for 5 seconds.	
		128 - 255	Complete Reset All-effects Reset sequence passing through the unused levels range and staying in this range for 5 seconds.	

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DIMMER CURVE GRAPHIC

- Curve 1
- Curve 2
- Curve 3
- Curve 4

GAMMA CURVE GRAPHIC

- Val gamma 1
- Val gamma 1,5
- Val gamma 2,2
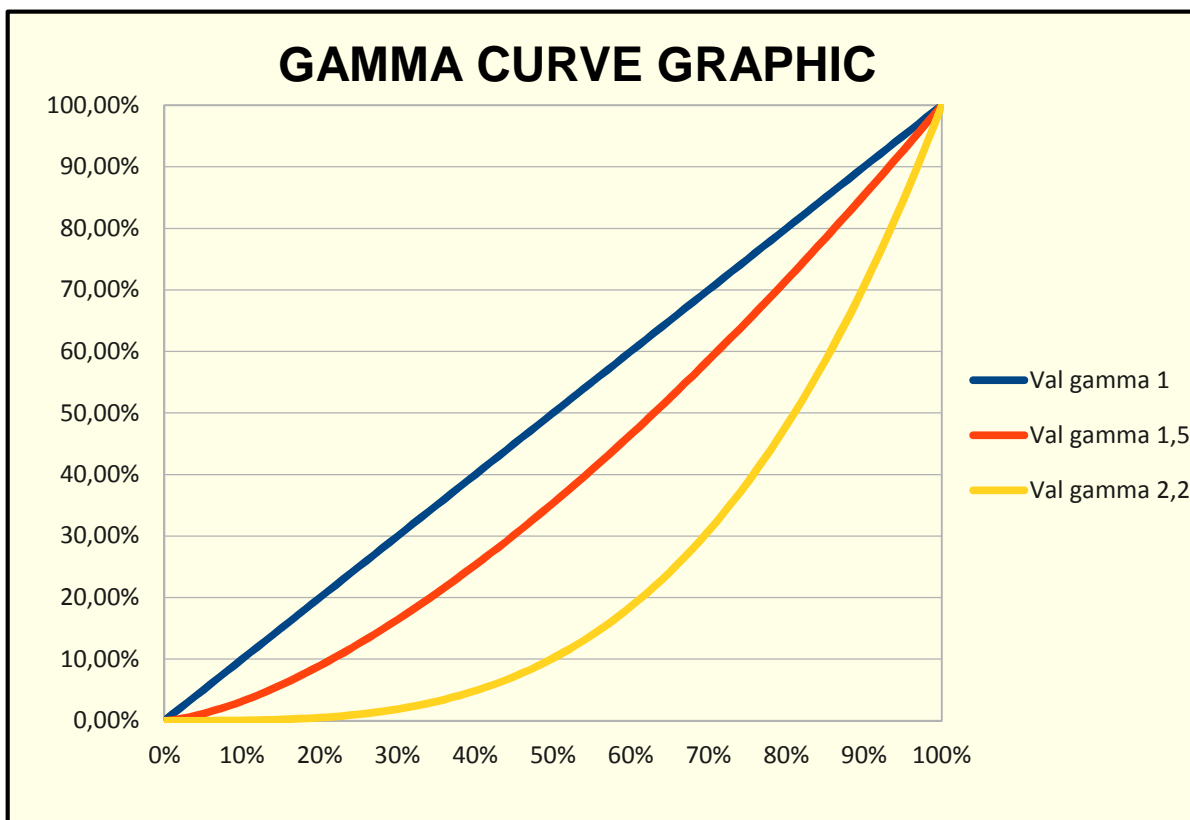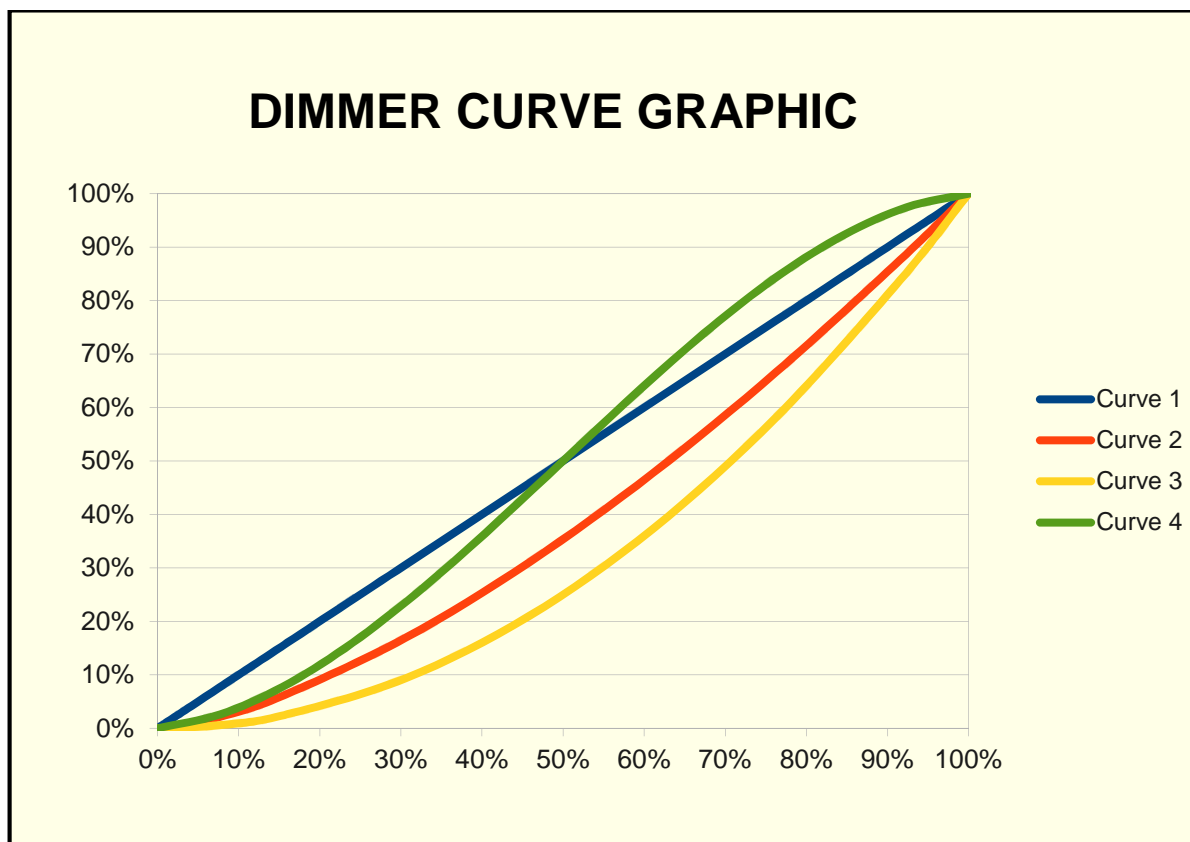
MACRO COLOR

DMX Value	LEE Filter	Description
0-9	--	Macro Color OFF
10	--	Red
11	--	Green
12	--	Blue
13	--	Cyan
14	--	Yellow
15	--	Magenta
16	--	White 7000K
17	--	White 3700K
18	--	White 5000K
19	--	Black
20-22	10	Medium Yellow
23-26	13	Straw Tint
27-28	17	Surprise Peach
29	19	Fire
30	20	Medium Amber
31	21	Gold Amber
32-34	22	Dark Amber
35-44	25	Sunrise Red
45	35	Light Pink
46-48	36	Medium Pink
49-61	39	Pink Carnation
62-67	52	Light Lavender
68-77	58	Lavender
78-88	68	Sky Blue
89-99	79	Just Blue
100-109	90	Dark Yellow Green
110-111	100	Spring Yellow
112	102	Light Amber
113	103	Straw
114	104	Deep amber
115-116	105	Orange
117	107	Light Rose
118	108	English Rose
119	109	Light Salmon
120	110	Middle Rose
121-122	111	Dark Pink
123-124	113	Magenta
125	115	Peacock Blue

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DMX Chart

DMX Value	LEE Filter	Description
126	116	Med Blu Green
127	117	Steel Blue
128	118	Light Blue
129-130	119	Dark Blue
131-133	121	Leaf Green
134-135	124	Dark Green
136-137	126	Mauve
138-141	128	Bright Pink
142-144	132	Medium Blue
145	135	Deep Golden Amber
146	136	Pale Lavender
147-148	137	Special Lavender
149-150	139	Primary Green
151-156	141	Bright Blue
157-161	147	Apricot
162-167	152	Pale Gold
168-171	158	Deep Orange
172-173	162	Bastard Amber
174	164	Flame Red
175-178	165	Daylight Blue
179	169	Lilac Tint
180-183	170	Deep Lavender
184-190	174	Dark Steel Blue
191-206	181	Congo Blue
207	197	Alice Blue
208	--	Dirty White
209-255	--	White