



150.150 V1.2

STARCOLOR 540Z

QUICK **START** GUIDE

CONTROL MENU

MENU		DESCRIPTION
DMX ADDRESS	Set address	DMX address setting (001-512)
MODE	DMX Mode	DMX
		Wireless DMX
	Dmx Channel	8/16/19/21/29/35/38CH
	Slave	
	Auto	Auto program 1 - 20
		Auto speed
	Static	Zoom
		Dimmer
		Strobe
		Red
		Green
		Blue
		White
	Color Macro	Zoom
		Red
		Amber
		Yellow Warm
		Yellow
		Green
		Turquoise
		Cyan
		Blue
		Lavender
		Mauve
		Magenta
		Pink
		Warm White
		White
		Cold White
SETTINGS	Display Rev	Display reverse (Display Rev) On/off
	Display	Display Backlight on/off
	Dmx Fail	Hold / Blackout
	Dimmercurve	Choose between 4 Dimmercurves
	Dimmer speed	Choose between Normal or Smooth
	Led Power	Choose between High, Normal or Theater
	Led Frequency	Choose between 600/1200/2400/4800HZ
	White Balance	Red
		Green
		Blue
		White
		Individual white balance. Cross-operating mode setting of the 4 RGBW LED groups
	Calibrate	Password = 033 Zoom 000- Calibrate the min/max angle of the zoom (150.150)
	Fan Set	Choose between Auto, High, Silent, Silent 70%, Silent40%, Silent20%
	Wireless DMX	Reset Wireless DMX
	Test	Choose between All, LED or Zoom
	Demolition	Password = 033 Push the lens, Easy to maintenance (150.150 only)
	Autolock	60 Seconds Key lock closure, As the key lock opens, display screen backlight 60 seconds out, button is locked, need operation buttons, first to ENTER a password to unlock, ENTER the password to operation display panel buttons UP, DOWN, UP, DOWN, press ENTER to unlock,
		No Lock

	Reset	Reset Now?	Reset zoom motor (only on the 150.150)
	Factory reset	Reset Now?	Reset to factory set
SYSTEM INFO	Firmware	Software Version	Shows the last version of
	Temperature	xx°C	show LED Temperature
		Temp Unit	Fahrenheit / Celsius
	Time info	Power on Hours	XXX Hours
		Last run Hours	XXX Hours

DMX CHANNELS

8 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Colour	000-255	LED Red, Intensity 0-100%
3		000-255	LED Green, Intensity 0-100%
4		000-255	LED Blue, Intensity 0-100%
5		000-255	LED White, Intensity 0-100%
6		000-255	LED Red, Intensity 0-100%
7	Background	000-255	LED Green, Intensity 0-100%
8		000-255	LED Blue, Intensity 0-100%

16 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Shutter	000 - 019	Shutter closed
		020 - 024	Shutter open
		025 - 064	Strobe 1 Strobe slow -> fast <1Hz - 20Hz
		065 - 0 69	Shutter open
		070 - 0 84	Strobe 2: Ramp up/down, slow -> fast
		085 - 089	Shutter open
		090 - 104	Strobe 3: Ramp up/down random, slow->fast
		105 - 109	Shutter open
		110 - 124	Strobe 4: Ramp up, slow -> fast
		125 - 129	Shutter open
		130 - 144	Strobe 5: Ramp up random, slow -> fast
		145 - 149	Shutter open
		150 - 164	Strobe 6: random Ramp down, slow -> fast
		165 - 169	Shutter open
		170 - 184	Strobe 7: Ramp down random, slow -> fast
		185 - 189	Shutter open
		190 - 204	Strobe 8: Random Strobe effect, slow -> fast
		205 - 209	Shutter open
		210 - 224	Strobe 9: Strobe Break effect, 5s.....1s (Short burst with break)
		225 - 229	Shutter open
		230 - 244	Strobe 10: burst (fast -> slow)
		245 - 255	Shutter open
3	Dimmer	000 - 255	0 - 100%
4	Fixture control settings	000 - 039	No function
		040 - 044	SILENT MODE (level 1)-70% fan speed *
		045 - 049	SILENT MODE (level 2)-40% fan speed *

	050 - 054	SILENT MODE (level 3)-20% fan speed *		
	055 - 059	No function		
	060 - 064	Fan mode FULL *		
	065 - 069	Fan mode REGULATED *		
	070 - 074	Fan mode SILENT *		
	075 - 089	No function		
	090 - 094	Linear Dimmer Curve *		
	095 - 099	Exponential Dimmer Curve *		
	100 - 104	Logarithmic Dimmer Curve *		
	105 - 109	S-Dimmer Curve *		
	110 - 114	Normal dimming, speed of changes unrestricted *		
	115 - 119	No function		
	120 - 124	Smooth dimming, speed of changes restricted slightly *		
	125 - 129	No function		
	130 - 134	600 Hz Refresh rate *		
	135 - 139	1200Hz Refresh rate *		
	140 - 144	2400Hz Refresh rate *		
	145 - 149	4800Hz Refresh rate *		
	150 - 154	No Function		
	155 - 159	WDMX - ON *		
	160 - 164	No Function		
	165 - 169	WDMX - OFF *		
	170 - 174	No Function		
	175 - 179	WDMX - RESET *		
	180 - 184	No Function		
	185 - 189	Led power(Normal mode) *		
	190 - 194	Led power(Theater mode) *		
	195 - 199	Led power(High mode) *		
	200 - 249	Reset zoom*		
	250 - 255	illuminate display*		
	5	Macro Color	000 - 005	No Function
			006 - 013	Red
			014 - 021	Amber
			022 - 029	Yellow Amber
			030 - 037	Yellow
			038 - 045	Green
			046 - 053	Turquoise
			054 - 061	Cyan
			062 - 069	Blue
			070 - 077	Lavender
			078 - 085	Mauve
			086 - 093	Magenta
			094 - 101	Pink
			102 - 109	Warm White
			110 - 117	White
		118 - 125	Cold White	
		126 - 127	Colour jumping stop	
		128 - 191	Colour jumping Speed slow->fast/Colour1->12	
		192 - 255	Colour fading Speed slow->fast/Colour1->12	
6	Colour	000 - 255	LED Red, Intensity 0-100%	
7		000 - 255	LED Green, Intensity 0-100%	
8		000 - 255	LED Blue, Intensity 0-100%	

9		000 - 255	LED White, Intensity 0-100%
10	CCT	000 - 009	No Function
		010 - 029	10000K
		030 - 049	8000K
		050 - 069	7200K
		070 - 089	6500K
		090 - 109	6000K
		110 - 129	5600K
		130 - 149	4900K
		150 - 169	4200K
		170 - 189	3500K
		190 - 209	3200K
		210 - 229	2700K
		230 - 255	2500K
11	Bckground Dimmer	200 - 255	LED Dimmer Background, Intensity 0-100%
12	Background Strobe	000-255	Strobe Effect intensity 0-100%
13	Background color	000 - 255	LED Red, Intensity 0-100%
14		000 - 255	LED Green, Intensity 0-100%
15		000 - 255	LED Blue, Intensity 0-100%
16	Background Color Makro	000 - 005	No Function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow Amber
		030-037	Yellow
		038-045	Green
		046-053	Turquoise
		054-061	Cyan
		062-069	Blue
		070-077	Lavender
		078-085	Mauve
		086-093	Magenta
		094-101	Pink
		102-109	Warm White
		110-117	White
		118-125	Cold White
		126-127	Colour jumping stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12

*Value must be held for 5 seconds to activate

19 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Zoom Fine	000-255	Zoom Fine 0-100%
3	Shutter	000 - 019	Shutter closed
		020 - 024	Shutter open
		025 - 064	Strobe 1 Strobe slow -> fast <1Hz - 20Hz
		065 - 0 69	Shutter open
		070 - 0 84	Strobe 2: Ramp up/down, slow -> fast
		085 - 089	Shutter open
		090 - 104	Strobe 3: Ramp up/down random, slow->fast

			105 - 109	Shutter open
			110 - 124	Strobe 4: Ramp up, slow -> fast
			125 - 129	Shutter open
			130 - 144	Strobe 5: Ramp up random, slow -> fast
			145 - 149	Shutter open
			150 - 164	Strobe 6: random Ramp down, slow -> fast
			165 - 169	Shutter open
			170 - 184	Strobe 7: Ramp down random, slow -> fast
			185 - 189	Shutter open
			190 - 204	Strobe 8: Random Strobe effect, slow -> fast
			205 - 209	Shutter open
			210 - 224	Strobe 9: Strobe Break effect, 5s.....1s (Short burst with break)
			225 - 229	Shutter open
			230 - 244	Strobe 10: burst (fast -> slow)
			245 - 255	Shutter open
4	Dimmer	000 - 255	0 - 100%	
5	Fixture control settings	000 - 039	No function	
		040 - 044	SILENT MODE (level 1)-70% fan speed *	
		045 - 049	SILENT MODE (level 2)-40% fan speed *	
		050 - 054	SILENT MODE (level 3)-20% fan speed *	
		055 - 059	No function	
		060 - 064	Fan mode FULL *	
		065 - 069	Fan mode REGULATED *	
		070 - 074	Fan mode SILENT *	
		075 - 089	No function	
		090 - 094	Linear Dimmer Curve *	
		095 - 099	Exponential Dimmer Curve *	
		100 - 104	Logarithmic Dimmer Curve *	
		105 - 109	S-Dimmer Curve *	
		110 - 114	Normal dimming, speed of changes unrestricted *	
		115 - 119	No function	
		120 - 124	Smooth dimming, speed of changes restricted slightly *	
		125 - 129	No function	
		130 - 134	600 Hz Refresh rate *	
		135 - 139	1200Hz Refresh rate *	
		140 - 144	2400Hz Refresh rate *	
		145 - 149	4800Hz Refresh rate *	
		150 - 154	No Function	
		155 - 159	WDMX - ON *	
		160 - 164	No Function	
		165 - 169	WDMX - OFF *	
		170 - 174	No Function	
		175 - 179	WDMX - RESET *	
		180 - 184	No Function	
		185 - 189	Led power(Normal mode) *	
		190 - 194	Led power(Theater mode) *	
		195 - 199	Led power(High mode) *	
		200 - 249	Reset zoom*	
		250 - 255	illuminate display*	
6	Macro Color	000 - 005	No Function	
		006 - 013	Red	
		014 - 021	Amber	

		022 - 029	Yellow Amber
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour jumping stop
		128 - 191	Colour jumping Speed slow->fast/Colour1->12
		192 - 255	Colour fading Speed slow->fast/Colour1->12
7	Colour	000 - 255	LED Red, Intensity 0-100%
8		000 - 255	LED Green, Intensity 0-100%
9		000 - 255	LED BLUE, Intensity 0-100%
10		000 - 255	LED WHITE, Intensity 0-100%
11	CCT	000 - 009	No Function
		010 - 029	10000K
		030 - 049	8000K
		050 - 069	7200K
		070 - 089	6500K
		090 - 109	6000K
		110 - 129	5600K
		130 - 149	4900K
		150 - 169	4200K
		170 - 189	3500K
		190 - 209	3200K
		210 - 229	2700K
		230 - 255	2500K
12	Auto Program	000 - 009	No function
		010 - 019	Auto program 1
		020 - 029	Auto program 2
		030 - 039	Auto program 3
		040 - 049	Auto program 4
		050 - 059	Auto program 5
		060 - 069	Auto program 6
		070 - 079	Auto program 7
		080 - 089	Auto program 8
		090 - 099	Auto program 9
		100 - 109	Auto program 10
		110 - 119	Auto program 11
		120 - 129	Auto program 12
		130 - 139	Auto program 13
		140 - 149	Auto program 14
		150 - 159	Auto program 15
		160 - 169	Auto program 16
		170 - 179	Auto program 17
		180 - 189	Auto program 18

		190 - 199	Auto program 19
		200 - 255	Auto program 20 (Auto program 1-19 cycle)
13	Speed Program	000 - 000	No Function
		001 - 255	AUTO Speed or Dimmer Speed
14	Bckground Dimmer	200 - 255	LED Dimmer Background, Intensity 0-100%
15	Background Strobe	000-255	Strobe Effect intensity 0-100%
16	Background color	000 - 255	LED Red, Intensity 0-100%
17		000 - 255	LED Green, Intensity 0-100%
18		000 - 255	LED Blue, Intensity 0-100%
19	Background Color Ma	000 - 005	No Function
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		030-037	Yellow
		038-045	Green
		046-053	Turquoise
		054-061	Cyan
		062-069	Blue
		070-077	Lavender
		078-085	Mauve
		086-093	Magenta
		094-101	Pink
		102-109	Warm White
		110-117	White
		118-125	Cold White
		126-127	Colour jumping stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12

*Value must be held for 5 seconds to activate

21 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	LED block 1	000-255	LED Red, Intensity 0-100%
3		000 - 255	LED Green, Intensity 0-100%
4		000-255	LED Blue, Intensity 0-100%
5		000-255	LED White, Intensity 0-100%
6	LED block 2	000 - 255	LED Red, Intensity 0-100%
7		000-255	LED Green, Intensity 0-100%
8		000-255	LED Blue, Intensity 0-100%
9		000 - 255	LED White, Intensity 0-100%
10	LED block 3	000-255	LED Red, Intensity 0-100%
11		000-255	LED Green, Intensity 0-100%
12		000 - 255	LED Blue, Intensity 0-100%
13		000-255	LED White, Intensity 0-100%
14	LED block 4	000-255	LED Red, Intensity 0-100%
15		000 - 255	LED Green, Intensity 0-100%
16		000-255	LED Blue, Intensity 0-100%
17		000-255	LED White, Intensity 0-100%
18	Background	000 - 255	LED Red, Intensity 0-100%
19		000-255	LED Green, Intensity 0-100%
20		000-255	LED Blue, Intensity 0-100%

29 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Zoom Fine	000-255	Zoom Fine 0-100%
3	Shutter	000-019	Shutter closed
		020-024	Shutter open
		025-064	Strobe 1 Strobe slow -> fast <1Hz - 20Hz
		065-069	Shutter open
		070-084	Strobe 2: Ramp up/down, slow -> fast
		085-089	Shutter open
		090-104	Strobe 3: Ramp up/down random, slow->fast
		105-109	Shutter open
		110-124	Strobe 4: Ramp up, slow -> fast
		125-129	Shutter open
		130-144	Strobe 5: Ramp up random, slow -> fast
		145-149	Shutter open
		150-164	Strobe 6: random Ramp down, slow -> fast
		165-169	Shutter open
		170-184	Strobe 7: Ramp down random, slow -> fast
		185-189	Shutter open
		190-204	Strobe 8: Random Strobe effect, slow -> fast
		205-209	Shutter open
		210-224	Strobe 9: Strobe Break effect, 5s.....1s (Short burst with break)
		225-229	Shutter open
		230-244	Strobe 10: burst (fast -> slow)
		245-255	Shutter open
4	Dimmer	000-255	0 - 100%
5	Fixture control settings	000-039	No function
		040 - 044	SILENT MODE (level 1)-70% fan speed *
		045 - 049	SILENT MODE (level 2)-40% fan speed *
		050 - 054	SILENT MODE (level 3)-20% fan speed *
		055 - 059	No function
		060 - 064	Fan mode FULL *
		065 - 069	Fan mode REGULATED *
		070 - 074	Fan mode SILENT *
		075 - 089	No function
		090 - 094	Linear Dimmer Curve *
		095 - 099	Exponential Dimmer Curve *
		100 - 104	Logarithmic Dimmer Curve *
		105 - 109	S-Dimmer Curve *
		110 - 114	Normal dimming, speed of changes unrestricted *
		115 - 119	No function
		120 - 124	Smooth dimming, speed of changes restricted slightly *
		125 - 129	No function
		130 - 134	600 Hz Refresh rate *
		135 - 139	1200Hz Refresh rate *
		140 - 144	2400Hz Refresh rate *
		145 - 149	4800Hz Refresh rate *
		150 - 154	No Function
		155 - 159	WDMX - ON *
		160 - 164	No Function
		165 - 169	WDMX - OFF *

		170 - 174	No Function
		175 - 179	WDMX - RESET *
		180 - 184	No Function
		185 - 189	Led power(Normal mode) *
		190 - 194	Led power(Theater mode) *
		195 - 199	Led power(High mode) *
		200 - 249	Reset zoom*
		250 - 255	illuminate display*
6	LED block 1	000-255	LED Red, Intensity 0-100%
7		000 - 255	LED Green, Intensity 0-100%
8		000-255	LED Blue, Intensity 0-100%
9		000-255	LED White, Intensity 0-100%
10	LED block 2	000 - 255	LED Red, Intensity 0-100%
11		000-255	LED Green, Intensity 0-100%
12		000-255	LED Blue, Intensity 0-100%
13		000 - 255	LED White, Intensity 0-100%
14	LED block 3	000-255	LED Red, Intensity 0-100%
15		000-255	LED Green, Intensity 0-100%
16		000 - 255	LED Blue, Intensity 0-100%
17		000-255	LED White, Intensity 0-100%
18	LED block 4	000-255	LED Red, Intensity 0-100%
19		000 - 255	LED Green, Intensity 0-100%
20		000-255	LED Blue, Intensity 0-100%
21		000-255	LED White, Intensity 0-100%
22	Auto Program	000 - 009	No function
		010 - 019	Auto program 1
		020 - 029	Auto program 2
		030 - 039	Auto program 3
		040 - 049	Auto program 4
		050 - 059	Auto program 5
		060 - 069	Auto program 6
		070 - 079	Auto program 7
		080 - 089	Auto program 8
		090 - 099	Auto program 9
		100 - 109	Auto program 10
		110 - 119	Auto program 11
		120 - 129	Auto program 12
		130 - 139	Auto program 13
		140 - 149	Auto program 14
		150 - 159	Auto program 15
		160 - 169	Auto program 16
		170 - 179	Auto program 17
		180 - 189	Auto program 18
		190 - 199	Auto program 19
		200 - 255	Auto program 20 (Auto program 1-19 cycle)
23	Speed Program	000 - 000	No Function
		001 - 255	AUTO Speed or Dimmer Speed
24	Background Dimmer	200 - 255	LED Dimmer Background, Intensity 0-100%
25	Background Strobe	000-255	Strobe Effect intensity 0-100%
26	Background color	000 - 255	LED Red, Intensity 0-100%
27		000 - 255	LED Green, Intensity 0-100%
28		000 - 255	LED Blue, Intensity 0-100%

29	Background Color Ma	000 - 005	No Function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow Amber
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Colour jumping stop
		128 - 191	Colour jumping Speed slow->fast/Colour1->12
		192 - 255	Colour fading Speed slow->fast/Colour1->12

*Value must be held for 5 seconds to activate

35 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Zoom Fine	000-255	Zoom Fine 0-100%
3	Shutter	000 - 019	Shutter closed
		020 - 024	Shutter open
		025 - 064	Strobe 1 Strobe slow -> fast <1Hz - 20Hz
		065 - 0 69	Shutter open
		070 - 0 84	Strobe 2: Ramp up/down, slow -> fast
		085 - 089	Shutter open
		090 - 104	Strobe 3: Ramp up/down random, slow->fast
		105 - 109	Shutter open
		110 - 124	Strobe 4: Ramp up, slow -> fast
		125 - 129	Shutter open
		130 - 144	Strobe 5: Ramp up random, slow -> fast
		145 - 149	Shutter open
		150 - 164	Strobe 6:random Ramp down, slow -> fast
		165 - 169	Shutter open
		170 - 184	Strobe 7: Ramp down random, slow -> fast
		185 - 189	Shutter open
		190 - 204	Strobe 8: Random Strobe effect, slow -> fast
		205 - 209	Shutter open
		210 - 224	Strobe 9: Strobe Break effect, 5s.....1s (Short burst with break)
		225 - 229	Shutter open
		230 - 244	Strobe 10: burst (fast -> slow)
		245 - 255	Shutter open
4	Dimmer	000 - 255	0 - 100%
5	Fixture control settings	000 - 039	No function
		040 - 044	SILENT MODE (level 1)-70% fan speed *
		045 - 049	SILENT MODE (level 2)-40% fan speed *

			050 - 054	SILENT MODE (level 3)-20% fan speed *
			055 - 059	No function
			060 - 064	Fan mode FULL *
			065 - 069	Fan mode REGULATED *
			070 - 074	Fan mode SILENT *
			075 - 089	No function
			090 - 094	Linear Dimmer Curve *
			095 - 099	Exponential Dimmer Curve *
			100 - 104	Logarithmic Dimmer Curve *
			105 - 109	S-Dimmer Curve *
			110 - 114	Normal dimming, speed of changes unrestricted *
			115 - 119	No function
			120 - 124	Smooth dimming, speed of changes restricted slightly *
			125 - 129	No function
			130 - 134	600 Hz Refresh rate *
			135 - 139	1200Hz Refresh rate *
			140 - 144	2400Hz Refresh rate *
			145 - 149	4800Hz Refresh rate *
			150 - 154	No Function
			155 - 159	WDMX - ON *
			160 - 164	No Function
			165 - 169	WDMX - OFF *
			170 - 174	No Function
			175 - 179	WDMX - RESET *
			180 - 184	No Function
			185 - 189	Led power(Normal mode) *
			190 - 194	Led power(Theater mode) *
			195 - 199	Led power(High mode) *
			200 - 249	Reset zoom*
			250 - 255	illuminate display*
6	Macro Color	000 - 005	No Function	
		006 - 013	Red	
		014 - 021	Amber	
		022 - 029	Yellow Amber	
		030 - 037	Yellow	
		038 - 045	Green	
		046 - 053	Turquoise	
		054 - 061	Cyan	
		062 - 069	Blue	
		070 - 077	Lavender	
		078 - 085	Mauve	
		086 - 093	Magenta	
		094 - 101	Pink	
		102 - 109	Warm White	
		110 - 117	White	
		118 - 125	Cold White	
		126 - 127	Colour jumping stop	
		128 - 191	Colour jumping Speed slow->fast/Colour1->12	
		192 - 255	Colour fading Speed slow->fast/Colour1->12	
		7	Colour	000 - 255
8	000 - 255	LED Green, Intensity 0-100%		
9	000 - 255	LED Blue, Intensity 0-100%		

10		000-255	LED White, Intensity 0-100%
11	CCT	000 - 009	No Function
		010 - 029	10000K
		030 - 049	8000K
		050 - 069	7200K
		070 - 089	6500K
		090 - 109	6000K
		110 - 129	5600K
		130 - 149	4900K
		150 - 169	4200K
		170 - 189	3500K
		190 - 209	3200K
		210 - 229	2700K
		230 - 255	2500K
12	LED block 1	000-255	LED Red, Intensity 0-100%
13		000 - 255	LED Green, Intensity 0-100%
14		000-255	LED Blue, Intensity 0-100%
15		000-255	LED White, Intensity 0-100%
16	LED block 2	000 - 255	LED Red, Intensity 0-100%
17		000-255	LED Green, Intensity 0-100%
18		000-255	LED Blue, Intensity 0-100%
19		000 - 255	LED White, Intensity 0-100%
20	LED block 3	000-255	LED Red, Intensity 0-100%
21		000-255	LED Green, Intensity 0-100%
22		000 - 255	LED Blue, Intensity 0-100%
23		000-255	LED White, Intensity 0-100%
24	LED block 4	000-255	LED Red, Intensity 0-100%
25		000 - 255	LED Green, Intensity 0-100%
26		000-255	LED Blue, Intensity 0-100%
27		000-255	LED White, Intensity 0-100%
28	Auto Program	000 - 009	No function
		010 - 019	Auto program 1
		020 - 029	Auto program 2
		030 - 039	Auto program 3
		040 - 049	Auto program 4
		050 - 059	Auto program 5
		060 - 069	Auto program 6
		070 - 079	Auto program 7
		080 - 089	Auto program 8
		090 - 099	Auto program 9
		100 - 109	Auto program 10
		110 - 119	Auto program 11
		120 - 129	Auto program 12
		130 - 139	Auto program 13
		140 - 149	Auto program 14
		150 - 159	Auto program 15
		160 - 169	Auto program 16
		170 - 179	Auto program 17
		180 - 189	Auto program 18
		190 - 199	Auto program 19
		200 - 255	Auto program 20 (Auto program 1-19 cycle)
29	Speed Program	000 - 000	No Function

		001 - 255	AUTO Speed or Dimmer Speed
30	Background Dimmer	200 - 255	LED Dimmer Background, Intensity 0-100%
31	Background Strobe	000-255	Strobe Effect intensity 0-100%
32	Background color	000 - 255	LED Red, Intensity 0-100%
33		000 - 255	LED Green, Intensity 0-100%
34		000 - 255	LED BLUE, Intensity 0-100%
35	Background Color Ma	000 - 005	No Function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow Amber
		030-037	Yellow
		038-045	Green
		046-053	Turquoise
		054-061	Cyan
		062-069	Blue
		070-077	Lavender
		078-085	Mauve
		086-093	Magenta
		094-101	Pink
		102-109	Warm White
		110-117	White
		118-125	Cold White
		126-127	Colour jumping stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12

* Value must be held for 5 seconds to activate

38 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	Zoom, in or out 0-100%
2	Zoom Fine	000-255	Zoom Fine 0-100%
3	Shutter	000 - 019	Shutter closed
		020 - 024	Shutter open
		025 - 064	Strobe 1 Strobe slow -> fast <1Hz - 20Hz
		065 - 069	Shutter open
		070 - 084	Strobe 2: Ramp up/down, slow -> fast
		085 - 089	Shutter open
		090 - 104	Strobe 3: Ramp up/down random, slow->fast
		105 - 109	Shutter open
		110 - 124	Strobe 4: Ramp up, slow -> fast
		125 - 129	Shutter open
		130 - 144	Strobe 5: Ramp up random, slow -> fast
		145 - 149	Shutter open
		150 - 164	Strobe 6: random Ramp down, slow -> fast
		165 - 169	Shutter open
		170 - 184	Strobe 7: Ramp down random, slow -> fast
		185 - 189	Shutter open
		190 - 204	Strobe 8: Random Strobe effect, slow -> fast
		205 - 209	Shutter open
		210 - 224	Strobe 9: Strobe Break effect, 5s.....1s (Short burst with break)
		225 - 229	Shutter open

		230 - 244	Strobe 10: burst (fast → slow)
		245 - 255	Shutter open
4	Dimmer	000 - 255	0 - 100%
5	Fixture control settings	000 - 039	No function
		040 - 044	SILENT MODE (level 1)-70% fan speed *
		045 - 049	SILENT MODE (level 2)-40% fan speed *
		050 - 054	SILENT MODE (level 3)-20% fan speed *
		055 - 059	No function
		060 - 064	Fan mode FULL *
		065 - 069	Fan mode REGULATED *
		070 - 074	Fan mode SILENT *
		075 - 089	No function
		090 - 094	Linear Dimmer Curve *
		095 - 099	Exponential Dimmer Curve *
		100 - 104	Logarithmic Dimmer Curve *
		105 - 109	S-Dimmer Curve *
		110 - 114	Normal dimming, speed of changes unrestricted *
		115 - 119	No function
		120 - 124	Smooth dimming, speed of changes restricted slightly *
		125 - 129	No function
		130 - 134	600 Hz Refresh rate *
		135 - 139	1200Hz Refresh rate *
		140 - 144	2400Hz Refresh rate *
		145 - 149	4800Hz Refresh rate *
		150 - 154	No Function
		155 - 159	WDMX - ON *
		160 - 164	No Function
		165 - 169	WDMX - OFF *
		170 - 174	No Function
		175 - 179	WDMX - RESET *
		180 - 184	No Function
		185 - 189	Led power(Normal mode) *
		190 - 194	Led power(Theater mode) *
		195 - 199	Led power(High mode) *
		200 - 249	Reset zoom*
		250 - 255	illuminate display*
6	Macro Color	000 - 005	No Function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow Amber
		030 - 037	Yellow
		038 - 045	Green
		046 - 053	Turquoise
		054 - 061	Cyan
		062 - 069	Blue
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White

		126-127	Colour jumping stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12
7	Block 1	000-255	LED Dimmer, Intensity 0-100%
8		000-255	LED Red, Intensity 0-100%
9		000 - 255	LED Green, Intensity 0-100%
10		000-255	LED Blue, Intensity 0-100%
11		000-255	LED White, Intensity 0-100%
12		000-255	Fade (dimmer speed)
13	Block 2	000-255	LED Dimmer, Intensity 0-100%
14		000-255	LED Red, Intensity 0-100%
15		000 - 255	LED Green, Intensity 0-100%
16		000-255	LED Blue, Intensity 0-100%
17		000-255	LED White, Intensity 0-100%
18		000-255	Fade (dimmer speed)
19	Block 3	000-255	LED Dimmer, Intensity 0-100%
20		000-255	LED Red, Intensity 0-100%
21		000 - 255	LED Green, Intensity 0-100%
22		000-255	LED Blue, Intensity 0-100%
23		000-255	LED White, Intensity 0-100%
24		000-255	Fade (dimmer speed)
25	Block 4	000-255	LED Dimmer, Intensity 0-100%
26		000-255	LED Red, Intensity 0-100%
27		000 - 255	LED Green, Intensity 0-100%
28		000-255	LED Blue, Intensity 0-100%
29		000-255	LED White, Intensity 0-100%
30		000-255	Fade (dimmer speed)
31	Auto Program	000 - 009	No function
		010 - 019	Auto program 1
		020 - 029	Auto program 2
		030 - 039	Auto program 3
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		200 - 255	Auto program 20 (Auto program 1-19 cycle)
32	Speed Program	000 - 000	No Function
		001 - 255	AUTO Speed or Dimmer Speed
33	Background Dimmer	200 - 255	LED Dimmer Background, Intensity 0-100%
34	Background Strobe	000-255	Strobe Effect intensity 0-100%

35	Background color	000 - 255	LED Red, Intensity 0-100%
36		000 - 255	LED Green, Intensity 0-100%
37		000 - 255	LED Blue, Intensity 0-100%
38	Background Color Ma	000 - 005	No Function
		006 - 013	Red
		014 - 021	Amber
		022 - 029	Yellow Amber
		030-037	Yellow
		038-045	Green
		046-053	Turquoise
		054-061	Cyan
		062-069	Blue
		070-077	Lavender
		078-085	Mauve
		086-093	Magenta
		094-101	Pink
		102-109	Warm White
		110-117	White
		118-125	Cold White
		126-127	Colour jumping stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12

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