

4.3 DMX 512 Configuration

11CH MODE (MODE 1):

CHANNEL	VALUE	FUNCTION
1		PAN
	000 – 255	0° - 540°
2		TILT
	000 – 255	0° - 220°
3	000 – 255	PAN/TILT SPEED Fast → Slow
4		SHUTTER:
	000 – 019	Off
	020 – 024	Open
	025 – 064	Strobe: Fast → Slow
	065 – 069	Open
	070 – 084	Pulse, fast close slow open
	085 – 089	Open
	090 – 104	Pulse, fast open slow close
	105 – 109	Open
	110 – 124	Dimmer macro random strobe
	125 - 129	Open
	130 – 144	Dimmer macro random fast close slow open
	145 - 149	Open

	150 – 164	Dimmer macro random fast open slow close
	165 - 169	Open
	170 – 184	Dimmer macro burst pulse
	185 - 189	Open
	190 – 204	Dimmer macro random burst pulse
	205 - 209	Open
	210 - 224	Dimmer macro slow close slow open
	225 - 229	Open
	230 - 244	Dimmer macro burst little
	245 - 255	Open
5	000 – 255	RED: 0% - 100%
6	000 – 255	GREEN: 0% - 100%
7	000 – 255	BLUE: 0% - 100%
8	000 – 255	WHITE: 0% - 100%
9	000 – 255	DIMMER: 0% - 100%
10	000 – 255	ZOOM: 0% - 100%
11		SPECIAL FUNCTION:
	000 - 009	Null
	010 - 014	Reset All
	015 - 255	Null

15CH MODE (MODE 2):

CHANNEL	VALUE	FUNCTION
1		SHUTTER:
	000 – 019	Off
	020 – 024	Open
	025 – 064	Strobe: Fast → Slow
	065 - 069	Open
	070 – 084	Pulse, fast close slow open
	085 - 089	Open
	090 – 104	Pulse, fast open slow close
	105 – 109	Open
	110 – 124	Dimmer macro random strobe
	125 - 129	Open
	130 – 144	Dimmer macro random fast close slow open

	145 - 149	Open
	150 - 164	Dimmer macro random fast open slow close
	165 - 169	Open
	170 - 184	Dimmer macro burst pulse
	185 - 189	Open
	190 - 204	Dimmer macro random burst pulse
	205 - 209	Open
	210 - 224	Dimmer macro slow close slow open
	225 - 229	Open
	230 - 244	Dimmer macro burst little
	245 - 255	Open
2	000 - 255	DIMMER: 0% - 100%
3	000 - 255	ZOOM: 0% - 100%
4		PAN
	000 - 255	0° - 540°
5	000 - 255	PAN FINE
6		TILT
	000 - 255	0° - 220°
7	000 - 255	TILT FINE
8	000 - 255	PAN/TILT SPEED
9		SPECIAL FUNCTION:
	000 - 009	Null
	010 - 014	Reset All
	015 - 255	Null
10		Color
	000 - 009	Open
	010 - 014	Color 1
	015 - 019	Color 2
	020 - 024	Color 3
	025 - 029	Color 4
	030 - 034	Color 5
	035 - 039	Color 6
	040 - 044	Color 7
	045 - 049	Color 8
	050 - 054	Color 9
	055 - 059	Color 10
	060 - 064	Color 11

	065 – 069	Color 12
	070 – 074	Color 13
	075 – 079	Color 14
	080 – 084	Color 15
	085 – 089	Color 16
	090 – 094	Color 17
	095 – 099	Color 18
	100 – 104	Color 19
	105 – 109	Color 20
	110 – 114	Color 21
	115 – 119	Color 22
	120 – 124	Color 23
	125 – 129	Color 24
	130 – 134	Color 25
	135 – 139	Color 26
	140 – 144	Color 27
	145 – 149	Color 28
	150 – 154	Color 29
	155 – 159	Color 30
	160 – 164	Color 31
	165 – 169	Color 32
	170 – 174	Color 33
	175 – 179	Open
	180 - 201	CCW Rotation : fast → slow
	202 – 207	Stop
	208 – 229	CW Rotation: slow → fast
	230 – 234	Open
	235 – 239	Random color rotation (fast speed)
	240 – 244	Random color rotation (medium speed)
	245 – 249	Random color rotation (slow speed)
	250 - 255	Open
11	000 – 255	RED: 0% - 100%
12	000 – 255	GREEN: 0% - 100%
13	000 – 255	BLUE: 0% - 100%
14	000 – 255	WHITE: 0% - 100%
15	000 – 255	CTC: 0% - 100%

14CH MODE (MODE 3):

CHANNEL	VALUE	FUNCTION
1		PAN
	000 – 255	0° - 540°
2	000 – 255	PAN FINE
3		TILT
	000 – 255	0° - 220°
4	000 – 255	TILT FINE
5	000 – 255	PAN/TILT SPEED Fast → Slow
6		RESET
	000-009	No Function
	010-014	Reset All
	015-255	No Function
7		DIMMER
	000 – 255	0% - 100%
8		SHUTTER:
	000 – 019	Off
	020 – 024	Open
	025 – 064	Strobe: Fast → Slow
	065 – 069	Open
	070 – 084	Pulse, fast close slow open
	085 – 089	Open
	090 – 104	Pulse, fast open slow close
	105 – 109	Open
	110 – 124	Dimmer macro random strobe
	125 - 129	Open
	130 – 144	Dimmer macro random fast close slow open
	145 - 149	Open
	150 – 164	Dimmer macro random fast open slow close
	165 - 169	Open
	170 – 184	Dimmer macro burst pulse

	185 - 189	Open
	190 – 204	Dimmer macro random burst pulse
	205 - 209	Open
	210 - 224	Dimmer macro slow close slow open
	225 - 229	Open
	230 - 244	Dimmer macro burst little
	245 - 255	Open
9	000 – 255	RED: 0% - 100%
10	000 – 255	GREEN: 0% - 100%
11	000 – 255	BLUE: 0% - 100%
12	000 – 255	WHITE: 0% - 100%
13		COLOR MACRO
	000-009	Open
	010-014	LEE 790 – Moroccan Pink
	015-019	LEE 157 – Pink
	020-024	LEE 332 – Special Rose Pink
	025-029	LEE 328 – Follies Pink
	030-034	LEE 345 – Fuchsia Pink
	035-039	LEE 194 – Surprise Pink
	040-044	LEE 181 – Congo Blue
	045-049	LEE 071 – Tokyo Blue
	050-054	LEE 120 – Deep Blue
	055-059	LEE 079 – Just Blue
	060-064	LEE 132 – Medium Blue
	065-069	LEE 200 – Double CT Blue
	070-074	LEE 161 – State Blue
	075-079	LEE 201 – Full CT Blue
	080-084	LEE 202 – Half CT Blue
	085-089	LEE 117 – Steel Blue
	090-094	LEE 353 – Lighter Blue
	095-099	LEE 118 – Light Blue
	100-104	LEE 116 – Medium Blue Green
	105-109	LEE 124 – Dark Green
	110-114	LEE 139 – Primary Green
	115-119	LEE 089 – Moss Green
	120-124	LEE 122 – Fern Green
	125-129	LEE 738 – JAS Green
	130-134	LEE 088 – Lime Green
	135-139	LEE 100 – Spring Yellow
	140-144	LEE 104 – Deep Amber
	145-149	LEE 179 – Chrome Orange
	150-154	LEE 105 – Orange

	155-159	LEE 021 – Gold Amber
	160-164	LEE 778 – Millennium Gold
	165-169	LEE 135 – Deep Gold Amber
	170-174	LEE 164 – Flame Red
	175-179	Open
		Color wheel rotation effect
	180-201	Clockwise, fast → slow
	202-207	Stop (this will stop wherever the color is at the time)
	208-229	Counter-clockwise, slow → fast
	230-234	Open
		Random color
	235-239	Fast
	240-244	Medium
	245-249	Slow
	250-255	Open
14	000 – 255	ZOOM: 0% - 100%