



COSMOPIX R DMX CHART

Mode 18/20/64 channels

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		PAN Movement 8bit :
			0-255	Pan Movement
2		2		Pan Fine 16bit
			0-255	Fine control of Pan movement
3	2	3		TILT Movement 8bit :
			0-255	Tilt Movement
4		4		Tilt Fine 16bit
			0-255	Fine control of Tilt movement
5	3	5		Speed Pan/Tilt movement:
			0-225	max to min speed
			226-235	blackout by movement
			236-255	no function
6	4	6		Pan Motor continuous rotation
			0-127	no function
			128-189	Forwards Pan rotation from fast to slow
			190-193	No rotation
			194-255	Backwards Pan rotation from slow to fast
7	5	7		Tilt Motor continuous rotation
			0-127	no function
			128-189	Forwards Tilt rotation from fast to slow
			190-193	No rotation
			194-255	Backwards Tilt rotation from slow to fast
8	6			Red LED -all arrays :
			0-255	Red (0-Black , 255-100% Red)
9	7			Green LED-all arrays :
			0-255	Green (0-Black , 255-100% Green)
10	8			Blue LED -all arrays :
			0-255	Blue (0-Black , 255-100% Blue)
11	9			White LED -all arrays :
			0-255	White (0-Black , 255-100% White)
		17		Red LED -array 1 :
			0-255	Red (0-Black , 255-100% Red)
		18		Green LED-array 1 :
			0-255	Green (0-Black , 255-100% Green)
		19		Blue LED -array 1 :
			0-255	Blue (0-Black , 255-100% Blue)
		20		White LED -array 1 :
			0-255	White (0-Black , 255-100% White)
		21		Red LED -array 2 :
			0-255	Red (0-Black , 255-100% Red)
		22		Green LED-array 2 :
			0-255	Green (0-Black , 255-100% Green)
		23		Blue LED -array 2 :
			0-255	Blue (0-Black , 255-100% Blue)
		24		White LED -array 2 :
			0-255	White (0-Black , 255-100% White)

		61		Red LED -array 36 :
			0-255	Red (0-Black , 255-100% Red)
		62		Green LED-array 36 :
			0-255	Green (0-Black , 255-100% Green)
		63		Blue LED -array 36 :
			0-255	Blue (0-Black , 255-100% Blue)
		64		White LED -array 36 :
			0-255	White (0-Black , 255-100% White)

12	10	8		Shutter, strobe:
			0-31	Led turn off
			32-63	Led turn on
			64-95	Strobe effect slow to fast
			96-127	Led turn on
			128-159	Pulse-effect in sequences
			160-191	Led turn on
			192-223	Random strobe effect slow to fast
			224-255	Led turn on
13	11	9		Dimmer intensity:
			0-255	Intensity 0 to 100%
14	12	10		Color Macro:
			0-7	No function
			8-39	from RED to YELLOW
			40-71	from YELLOW to GREEN
			72-103	from GREEN to CYAN
			104-135	from CYAN to BLUE
			136-167	from BLUE to MAGENTA
			168-199	from MAGENTA to RED
			200-231	from RED to WHITE
			232-255	Crossfading colours from slow to fast
15	13	11		Color Presets:
			0-4	No function
			5-9	White2700k
			10-14	White3200k
			15-19	White4200k
			20-24	White5600k
			25-29	White6500k
			30-34	White8000k
			35-39	Yellow
			40-44	Magenta
			45-49	Cyan
			50-54	Salmon
			55-59	Turquoise
			60-64	Light Green
			65-69	Steel Blue
			70-74	Orange
			75-79	Straw
			80-84	Pale Lavander
			85-89	Pink
			90-94	Red
95-99	Green			
			100-104	Blue
			105-109	White
			110-104	Rainbow1
			115-119	Rainbow2
			120-124	Rainbow3
			125-255	Reserved
19	17	15		Color Presets Dimmer:
			0-255	Dimmer 0% to 100%

16	14	12		Chase Patterns:
			0-9	Led trun off
			10-11	Chase 1
			12-13	Chase 2
			14-15	Chase 3
			16-17	Chase 4
			18-19	Chase 5
			20-21	Chase 6
			22-23	Chase 7
			24-25	Chase 8
			26-27	Chase 9
			28-29	Chase 10
			30-31	Chase 11
			32-33	Chase 12
			34-35	Chase 13
			36-37	Chase 14
			38-39	Chase 15
			40-41	Chase 16
			42-43	Chase 17
			44-45	Chase 18
			46-47	Chase 19
			48-49	Chase 20
			50-51	Chase 21
			52-53	Chase 22
			54-55	Chase 23
			56-57	Chase 24
			58-59	Chase 25
			60-61	Chase 26
			62-63	Chase 27
			64-65	Chase 28
			66-67	Chase 29
			68-69	Chase 30
			70-71	Chase 31
			72-73	Chase 32
			74-75	Chase 33
			76-77	Chase 34
			78-79	Chase 35
			80-81	Chase 36
			82-83	Chase 37
			84-85	Chase 38
			86-87	Chase 39
			88-89	Chase 40
			90-91	Chase 41
			92-93	Chase 42
			94-95	Chase 43
			96-97	Chase 44
			98-99	Chase 45
			100-101	Chase 46
			102-103	Chase 47
			104-105	Chase 48
			106-107	Chase 49
			108-109	Chase 50
			110-111	Chase 51
			112-113	Chase 52
			114-115	Chase 53
			116-117	Chase 54
			118-119	Chase 55
			120-121	Chase 56
			122-123	Chase 57
			124-125	Chase 58
			126-127	Chase 59
			128-129	Chase 60
			130-131	Chase 61
			132-133	Chase 62
			134-135	Chase 63
			136-137	Chase 64
138-139	Chase 65			
140-141	Chase 66			

			142-143	Chase 67
			144-145	Chase 68
			146-147	Chase 69
			148-149	Chase 70
			150-151	Chase 71
			152-153	Chase 72
			154-155	Chase 73
			156-157	Chase 74
			158-159	Chase 75
			160-161	Chase 76
			162-163	Chase 77
			164-165	Chase 78
			166-167	Chase 79
			168-169	Chase 80
			170-171	Chase 81
			172-173	Chase 82
			174-175	Chase 83
			176-177	Chase 84
			178-179	Chase 85
			180-181	Chase 86
			182-183	Chase 87
			184-185	Chase 88
			186-187	Chase 89
			188-189	Chase 90
			190-191	Chase 91
			192-193	Chase 92
			194-195	Chase 93
			196-197	Chase 94
			198-199	Chase 95
			200-201	Chase 96
			202-203	Chase 97
			204-205	Chase 98
			206-207	Chase 99
			208-209	Chase 100
			210-211	Chase 101
			212-213	Chase 102
			214-215	Chase 103
			216-217	Chase 104
			218-219	Chase 105
			220-221	Chase 106
			222-223	Chase 107
			224-225	Chase 108
			226-227	Chase 109
			228-229	Chase 110
			230-231	Chase 111
			232-233	Chase 112
			234-235	Chase 113
			236-235	Reserved
				Chase Speed:
17	15	13	0-125	Fast to Slow Backward
			126-130	Stop(Speed=0)
			131-255	Slow to Fast Forward
				Chase Fade:
18	16	14	0-255	Fade Chase
				Reset, internal programs:
			0-79	Normal
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	no function
			91-93	no function
			94-96	no function
			97-99	no function
20	18	16	100-119	Internal program 1 (secne1~8 of EEPROM)
			120-139	Internal program 2 (secne9~16 of EEPROM)
			140-159	Internal program 3 (secne17~24 of EEPROM)
			160-179	Internal program 4 (secne25~32 of EEPROM)
			180-199	Internal program 5 (secne33~40 of EEPROM)
			200-219	Internal program 6 (secne41~48 of EEPROM)
			220-239	Internal program 7 (secne49~56 of EEPROM)
			240-255	Internal program 8 (secne57~64 of EEPROM)