

KHAMSIN (From Software V201)

DMX channel's functions and their values (64DMX 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
			236-245	blackout by all wheel changing
6	4	6	246-255	no function
			Shutter, strobe:	
			0-10	Shutter closed
			11-20	No function (shutter open)
			21-117	Strobe effect slow to fast
			118-126	No function (shutter open)
			127-180	Pulse-effect in sequences
			181-191	No function (shutter open)
192-245	Random strobe effect slow to fast			
7	5	7	246-255	No function (shutter open)
			Dimmer intensity:	
		8	0-255	Intensity 0 to 100%
			Fine Dimmer intensity:	
			0-255	Dimmer intensity fine
8	6	9		Reserved
9	7	10		Reserved
10	8	11		Reserved
11	9	12	Zoom :	
			0-255	Zoom adjustment from small to big
		13	Zoom Fine:	
			0-255	Zoom adjustment Fine
12	10	14	Focus :	
			0-255	Continuous adjustment from near to far
		15	Focus Fine:	
			0-255	Continuous adjustment Fine
13	11	16	Auto Focus :	
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
14	12	17	201-255	15m
			AutoFocus Fine:	
			0-255	Continuous adjustment Fine

15	13	18		Color Wheel:
			0-3	Open / white
			4-7	Color 1
			8-11	Color 2
			12-15	Color 3
			16-19	Color 4
			20-23	Color 5
			24-27	Color 6
			28-127	Color indexing
			128-189	Forwards rainbow effect from fast to slow
			190-193	No rotation
194-255	Backwards rainbow effect from slow to fast			
		19		Color Wheel Fine:
			0-255	Color Wheel colour change to any position Fine
16	14	20		CTB/CRI:
			0-63	Open
			64-127	CTB
			128-255	CRI
17	15	21		Cyan Color :
			0-255	Cyan (0-white, 255-100% Cyan)
		22		Cyan Color Fine :
			0-255	Cyan Fine
18	16	23		Magenta Color :
			0-255	Magenta (0-white, 255-100% magenta)
		24		Magenta Color Fine :
			0-255	Magenta Fine
19	17	25		Yellow Color :
			0-255	Yellow (0-white, 255-100% Yellow)
		26		Yellow Color Fine :
			0-255	Yellow Fine
20	18	27		CTO Color :
			0-255	CTO (0-white, 255-100% CTO)
		28		CTO Color Fine :
			0-255	CTO Fine
21	19	29		Rotating gobos, cont. rotation 1:
			0-9	Open
			10-23	Rot. gobo 1
			24-37	Rot. gobo 2
			38-51	Rot. gobo 3
			52-65	Rot. gobo 4
			66-79	Rot. gobo 5
			80-93	Rot. gobo 6
			94-109	Gobo 1 shake slow to fast
			110-125	Gobo 2 shake slow to fast
			126-141	Gobo 3 shake slow to fast
			142-157	Gobo 4 shake slow to fast
			158-173	Gobo 5 shake slow to fast
			174-189	Gobo 6 shake slow to fast
			190-221	Gobo wheel rotation forwards from fast to slow
222-223	No rotation			
224-255	Gobo wheel rotation f backwards from slow to fast			
22	20	30		Rotating gobo index,rotating gobo rotation 1:
			0-127	Gobo indexing
			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
		194-255	Backwards gobo rotation from slow to fast	
		31		Rotating gobo indexing Fine 1:
			0-255	Fine indexing

23	21	32		Rotating gobos, cont. rotation 2:
			0-9	Open
			10-23	Rot. gobo 1
			24-37	Rot. gobo 2
			38-51	Rot. gobo 3
			52-65	Rot. gobo 4
			66-79	Rot. gobo 5
			80-93	Rot. gobo 6
			94-109	Gobo 1 shake slow to fast
			110-125	Gobo 2 shake slow to fast
			126-141	Gobo 3 shake slow to fast
			142-157	Gobo 4 shake slow to fast
			158-173	Gobo 5 shake slow to fast
			174-189	Gobo 6 shake slow to fast
			190-221	Gobo wheel rotation forwards from fast to slow
222-223	No rotation			
224-255	Gobo wheel rotation f backwards from slow to fast			
24	22	33		Rotating gobo index, rotating gobo rotation 2:
			0-127	Gobo indexing
			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
			194-255	Backwards gobo rotation from slow to fast
		34		Rotating gobo indexing Fine 2:
			0-255	Fine indexing
25	23	35		Animation wheel:
			0-7	open
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
26	24	36		Iris:
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		37		Iris Fine:
			0-255	Iris Fine
27	25	38		Prism 1:
			0-127	Open
			128-255	5-Facet Prism
28	26	39		Rotating prism index, rotating prism rotation 1
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		40		Rotating prism indexing Fine 1:
			0-255	Fine indexing
29	27	41		Prism 2:
			0-127	Open
			128-255	Linear Prism
30	28	42		Rotating prism index, rotating prism rotation 2
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		43		Rotating prism indexing Fine 2:
			0-255	Fine indexing
31	29	44		Frost 1:
			0-255	0-100%
32	30	45		Frost 2:
			0-255	0-100%

33	31	46		Blade 1A :
			0-255	Open to Close
		47		Blade 1A Fine :
			0-255	Open to Close Fine
34	32	48		Blade 1B :
			0-255	Open to Close
		49		Blade 1B Fine :
			0-255	Open to Close Fine
35	33	50		Blade 2A :
			0-255	Open to Close
		51		Blade 2A Fine :
			0-255	Open to Close Fine
36	34	52		Blade 2B :
			0-255	Open to Close
		53		Blade 2B Fine :
			0-255	Open to Close Fine
37	35	54		Blade 3A :
			0-255	Open to Close
		55		Blade 3A Fine :
			0-255	Open to Close Fine
38	36	56		Blade 3B :
			0-255	Open to Close
		57		Blade 3B Fine :
			0-255	Open to Close Fine
39	37	58		Blade 4A :
			0-255	Open to Close
		59		Blade 4A Fine :
			0-255	Open to Close Fine
40	38	60		Blade 4B :
			0-255	Open to Close
		61		Blade 4B Fine :
			0-255	Open to Close Fine
41	39	62		All Blade Rotation :
			0-255	All Blade Rotation
		63		All Blade Rotation Fine :
			0-255	All Blade Rotation Fine
42	40	64		Control, reset, internal programs:
			0-4	unused
			5-9	Display Off
			10-14	Display On
			15-19	Display Invert Off
			20-24	Display Invert On
			25-26	Auto fan control mode
			27-28	Stage fan control mode
			29-30	Silence fan control mode
			31-32	Super Silence fan control mode
			33-34	Constant Fans Off
			35-36	Constant Fans On
			37-44	unused
			45-49	Square Law
			50-54	Linear
			55-58	1.2K
			59-62	2.4K
			63-66	16K
			67-69	25K
			70-74	Gobo correction Off
			75-79	Gobo correction On
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	unused
			97-99	Other motor reset
			100-102	Prerig INIT Off
			103-105	Prerig INIT On
			106-108	CMY speed 1
			109-111	CMY speed 2
			112-114	Tilt Degree 270°
			115-117	Tilt Degree 180°
			118-120	Tilt Degree 190°
			121-123	Tilt Degree 200°
124-126	Tilt Degree 210°			
127-129	Tilt Degree 220°			
130-132	Tilt Degree 230°			
133-255	unused			