



KARIF

DMX channel's functions and their values (46DMX 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		Pan Motor continuous rotation
			0-63	stop rotation by spinout
			64-127	stop rotation by shortcut
			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		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
246-255	No function (shutter open)			
8	6	8		Dimmer intensity:
			0-255	Intensity 0 to 100%
		9		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
9	7	10		Chase Patterns:
			0-9	Open
			10-19	Chase 1
			20-29	Chase 2
			30-39	Chase 3
			40-49	Chase 4
			50-59	Chase 5
			60-69	Chase 6
			70-79	Chase 7
			80-89	Chase 8
			90-99	Chase 9
			100-109	Chase 10
			110-119	Chase 11
			120-129	Chase 12
130-139	Chase 13			
140-255	Reserved			

10	8	11	0-125 126-130 131-255	Chase Speed: Fast to Slow Backward Stop(Speed=0) Slow to Fast Forward
11	9	12	0-255	Chase Fade: Fade Chase
12	10	13	0-255	Zoom : Zoom adjustment from small to big
		14	0-255	Zoom Fine: Zoom adjustment Fine
13	11	15	0-255	Focus : Continuous adjustment from near to far
		16	0-255	Focus Fine: Continuous adjustment Fine
14	12	17	0-50 51-100 101-150 151-200 201-255	Auto Focus : Auto Focus Off 5m 7.5m 10m 15m
15	13	18	0-255	AutoFocus Fine: Continuous adjustment Fine
16	14	19	0-63 64 65 66 67 68 69 70 71 72 73 74 75 76 77-127 128-189 190-193 194-255	Color Wheel : CTO (0-white, 255-100% CTO) Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color indexing Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast
		20	0-255	Color Wheel Fine: Color Wheel colour change to any position Fine
17	15	21	0-255	Cyan Color : Cyan (0-white, 255-100% Cyan)
		22	0-255	Cyan Color Fine : Cyan Fine
18	16	23	0-255	Magenta Color : Magenta (0-white, 255-100% magenta)
		24	0-255	Magenta Color Fine : Magenta Fine
19	17	25	0-255	Yellow Color : Yellow (0-white, 255-100% Yellow)
		26	0-255	Yellow Color Fine : Yellow Fine

20	18	27		Rotating gobos, cont. rotation :
			0-9	Open
			10-18	Rot. gobo 1
			19-27	Rot. gobo 2
			28-36	Rot. gobo 3
			37-45	Rot. gobo 4
			46-54	Rot. gobo 5
			55-63	Rot. gobo 6
			64-72	Rot. gobo 7
			73-81	Rot. gobo 8
			82-90	Rot. gobo 9
			91-101	Gobo 1 shake slow to fast
			102-112	Gobo 2 shake slow to fast
			113-123	Gobo 3 shake slow to fast
			124-134	Gobo 4 shake slow to fast
			135-145	Gobo 5 shake slow to fast
			146-156	Gobo 6 shake slow to fast
			157-167	Gobo 7 shake slow to fast
			168-178	Gobo 8 shake slow to fast
			179-189	Gobo 9 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			
21	19	28		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
		29		Rotating gobo indexing Fine :
			0-255	Fine indexing
				Fixed Gobo:
			0-31	Open
			32	Gobo 1
			33	Gobo 2
			34	Gobo 3
			35	Gobo 4
			36	Gobo 5
			37	Gobo 6
			38	Gobo 7
			39	Gobo 8
			40	Gobo 9
			41	Gobo 10
			42	Gobo 11
			43	Gobo 12
			44	Gobo 13
			45	Gobo 14
			46	Gobo 15
			47	Gobo 16
			48	Gobo 17
			49	Gobo 18
			50	Gobo 19
			51	Open
			52	Gobo 20
			53	Gobo 21
			54	Gobo 22
			55	Gobo 23
			56	Gobo 24
			57	Gobo 25
			58	Gobo 26
			59	Gobo 27
			60	Gobo 28
			61	Gobo 29
			62	Gobo 30
			63	Gobo 31
			64	Gobo 32

22	20	30	65	Open
			66	Gobo 33
			67	Gobo 34
			68	Gobo 35
			69	Gobo 36
			70	Gobo 37
			71	Gobo 38
			72	Gobo 39
			73-75	Gobo 1 shake slow to fast
			76-78	Gobo 2 shake slow to fast
			79-81	Gobo 3 shake slow to fast
			82-84	Gobo 4 shake slow to fast
			85-87	Gobo 5 shake slow to fast
			88-90	Gobo 6 shake slow to fast
			91-93	Gobo 7 shake slow to fast
			94-96	Gobo 8 shake slow to fast
			97-99	Gobo 9 shake slow to fast
			100-102	Gobo 10 shake slow to fast
			103-105	Gobo 11 shake slow to fast
			106-108	Gobo 12 shake slow to fast
			109-111	Gobo 13 shake slow to fast
			112-114	Gobo 14 shake slow to fast
			115-117	Gobo 15 shake slow to fast
			118-120	Gobo 16 shake slow to fast
			121-123	Gobo 17 shake slow to fast
			124-126	Gobo 18 shake slow to fast
			127-129	Gobo 19 shake slow to fast
			130-132	Gobo 20 shake slow to fast
			133-135	Gobo 21 shake slow to fast
			136-138	Gobo 22 shake slow to fast
139-141	Gobo 23 shake slow to fast			
142-144	Gobo 24 shake slow to fast			
145-147	Gobo 25 shake slow to fast			
148-150	Gobo 26 shake slow to fast			
151-153	Gobo 27 shake slow to fast			
154-156	Gobo 28 shake slow to fast			
157-159	Gobo 29 shake slow to fast			
160-162	Gobo 30 shake slow to fast			
163-165	Gobo 31 shake slow to fast			
166-168	Gobo 32 shake slow to fast			
169-171	Gobo 33 shake slow to fast			
172-174	Gobo 34 shake slow to fast			
175-177	Gobo 35 shake slow to fast			
178-180	Gobo 36 shake slow to fast			
181-183	Gobo 37 shake slow to fast			
184-186	Gobo 38 shake slow to fast			
187-189	Gobo 39 shake slow to fast			
190-221	Clock-wise scroll from fast to slow			
222-223	Reserved			
224-255	Counter clock-wise scroll from slow to fast			
23	21	31		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
24	22	32		Prism 1:
			0-127	Open
			128-255	Prism 1
25	23	33		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
		34		Rotating prism indexing Fine 1:
			0-255	Fine indexing

26	24	35		Prism 2:
			0-127	Open
			128-255	Prism 2
27	25	36		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
		37		Rotating prism indexing Fine 2:
			0-255	Fine indexing
28	26	38		Prism 3:
			0-127	Open
			128-255	Prism 3
29	27	39		Rotating prism index, rotating prism rotation 3
			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 3:
			0-255	Fine indexing
30	28	41		Prism 4:
			0-127	Open
			128-255	Prism 4
31	29	42		Rotating prism index, rotating prism rotation 4
			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 4:
			0-255	Fine indexing
32	30	44		Frost 1:
			0-255	0-100%
33	31	45		Frost 2:
			0-255	0-100%
34	32	46		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
			25-29	Auto fan control mode
			30-34	Stage fan control mode
			35-39	Studio fan control mode
			40-41	Silence fan control mode
			42-44	Theatre fan control mode
			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	unused
			95	Reset P/T Fade Off
96	Reset P/T Fade On			
97-99	Other motor reset			
100-255	unused			