



**KYALAMI (From Software V100)**

**DMX channel's functions and their values (33DMX channels):**

Mode/Channel	Value	Function	Default Value
<b>Extended</b>			
1		<b>PAN Movement 8bit :</b>	
	0-255	Pan Movement	128
2		<b>Pan Fine 16bit</b>	
	0-255	Fine control of Pan movement	0
3		<b>TILT Movement 8bit :</b>	
	0-255	Tilt Movement	128
4		<b>Tilt Fine 16bit</b>	
	0-255	Fine control of Tilt movement	
5		<b>Speed Pan/Tilt movement:</b>	
	0-225	max to min speed	0
	226-235	blackout by movement	
	236-245	blackout by all wheel changing	
6		<b>Pan Motor continuous rotation</b>	
	0-63	stop rotation by spinout	0
	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		<b>Tilt Motor continuous rotation</b>	
	0-63	stop rotation by spinout	0
	64-127	stop rotation by shortcut	
	128-189	Forwards Tilt rotation from fast to slow	
	190-193	No rotation	
194-255	Backwards Tilt rotation from slow to fast		
8		<b>Shutter, strobe:</b>	
	0-10	Shutter closed	
	11-20	No function (shutter open)	15
	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)		
9		<b>Dimmer intensity:</b>	
	0-255	Intensity 0 to 100%	0
10		<b>Fine Dimmer intensity:</b>	
	0-255	Dimmer intensity fine	0
11		<b>Focus :</b>	
	0-255	Continuous adjustment from near to far	128
12		<b>Focus Fine:</b>	
	0-255	Continuous adjustment Fine	0

13		<b>Color Wheel:</b>	
	0-3	Open / white	0
	4-5	Color 1	
	6-7	Color 2	
	8-9	Color 3	
	10-11	Color 4	
	12-13	Color 5	
	14-15	Color 6	
	16-17	Color 7	
	18-19	Color 8	
	20-21	Color 9	
	22-23	Color 10	
	24-25	Color 11	
	26-27	Color 12	
	28-29	Color 13	
	30-31	Color 14	
	32-33	Color 15	
	34-35	Color 16	
	36-37	Color 17	
	38-39	Color 18	
40-41	Color 19		
42-43	Color 20		
44-45	Color 21		
46-47	Color 22		
48-127	Color indexing		
128-189	Forwards rainbow effect from fast to slow		
190-193	No rotation		
194-255	Backwards rainbow effect from slow to fast		
14		<b>Color Wheel Fine:</b>	
	0-255	Color Wheel colour change to any position Fine	0
15		<b>Cyan Color :</b>	
	0-255	Cyan (0-white, 255-100% Cyan)	0
16		<b>Cyan Color Fine :</b>	
	0-255	Cyan Fine	0
17		<b>Magenta Color :</b>	
	0-255	Magenta (0-white, 255-100% magenta)	0
18		<b>Magenta Color Fine :</b>	
	0-255	Magenta Fine	0
19		<b>Yellow Color :</b>	
	0-255	Yellow (0-white, 255-100% Yellow)	0
20		<b>Yellow Color Fine :</b>	
	0-255	Yellow Fine	0
21		<b>Blanking Zone Number (different zone)</b>	
	0-9	No Blanking	0
	10-19	Blanking Zone #1	
	20-29	Blanking Zone #2	
	30-39	Blanking Zone #3	
	40-49	Blanking Zone #4	
50-255	unused		
22		<b>Blanking Zone Settings (4 points)</b>	
	0-49	No Blanking	0
	50-99	Set pan min	
	100-149	Set pan max	
	150-199	Set tilt min	
200-255	Set tilt max		
23		Reserved	

		<b>Fixed Gobo :</b>	
	0-15	open	0
	16	Gobo 1	
	17	Gobo 2	
	18	Gobo 3	
	19	Gobo 4	
	20	Gobo 5	
	21	Gobo 6	
	22	Gobo 7	
	23	Gobo 8	
	24	Gobo 9	
	25	Gobo 10	
	26	Gobo 11	
	27	Gobo 12	
	28	Gobo 13	
	29	Gobo 14	
	30	Gobo 15	
	31	Gobo 16	
	32	Gobo 17	
	33	Gobo 18	
	34	Gobo 19	
	35	Gobo 20	
	36	Gobo 21	
	37	Gobo 22	
	38	Gobo 23	
	39	Gobo 24	
	40	Gobo 25	
	41	Gobo 26	
	42	Gobo 27	
	43	Gobo 28	
	44	Gobo 29	
24	45-49	Gobo 1 shake slow to fast	
	50-54	Gobo 2 shake slow to fast	
	55-59	Gobo 3 shake slow to fast	
	60-64	Gobo 4 shake slow to fast	
	65-69	Gobo 5 shake slow to fast	
	70-74	Gobo 6 shake slow to fast	
	75-79	Gobo 7 shake slow to fast	
	80-84	Gobo 8 shake slow to fast	
	85-89	Gobo 9 shake slow to fast	
	90-94	Gobo 10 shake slow to fast	
	95-99	Gobo 11 shake slow to fast	
	100-104	Gobo 12 shake slow to fast	
	105-109	Gobo 13 shake slow to fast	
	110-114	Gobo 14 shake slow to fast	
	115-119	Gobo 15 shake slow to fast	
	120-124	Gobo 16 shake slow to fast	
	125-129	Gobo 17 shake slow to fast	
	130-134	Gobo 18 shake slow to fast	
	135-139	Gobo 19 shake slow to fast	
	140-144	Gobo 20 shake slow to fast	
	145-149	Gobo 21 shake slow to fast	
	150-154	Gobo 22 shake slow to fast	
	155-159	Gobo 23 shake slow to fast	
	160-164	Gobo 24 shake slow to fast	
	165-169	Gobo 25 shake slow to fast	
	170-174	Gobo 26 shake slow to fast	
	175-179	Gobo 27 shake slow to fast	
	180-184	Gobo 28 shake slow to fast	
	185-189	Gobo 29 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	

25		<b>Prism 1:</b>	
	0-127	Open	0
	128-255	Prism 1	
26		<b>Rotating prism index, rotating prism rotation 1</b>	
	0-127	Prism indexing	0
	128-189	Forwards prism rotation from fast to slow	
	190-193	No rotation	
	194-255	Backwards prism rotation from slow to fast	
27		<b>Rotating prism indexing Fine 1:</b>	
	0-255	Fine indexing	0
28		<b>Prism 2:</b>	
	0-127	Open	0
	128-255	Prism 2:	
29		<b>Rotating prism index, rotating prism rotation 2</b>	
	0-127	Prism indexing	0
	128-189	Forwards prism rotation from fast to slow	
	190-193	No rotation	
	194-255	Backwards prism rotation from slow to fast	
30		<b>Rotating prism indexing Fine 2:</b>	
	0-255	Fine indexing	0
31		<b>Frost 1:</b>	
	0-255	0-100%	0
32		<b>Frost 2:</b>	
	0-255	0-100%	0

	<b>Control, reset, internal programs:</b>	
0-4	unused	0
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	unused	
75-79	unused	
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	
100-102	unused	
103-105	unused	
106-108	CMY speed Fast	
109-111	CMY speed Medium	
112-114	CMY speed Slow	
115-117	unused	
118-120	unused	
121-123	Sun Protection Off	
124-126	Sun Protection On	
127-129	Pan Reverse Off	
130-132	Pan Reverse On	
133-135	Tilt Reverse Off	
136-138	Tilt Reverse On	
139-141	Pan Degree 540°	
142-144	Pan Degree 630°	
145-147	Tilt Degree 540°	
148-150	Tilt Degree 270°	
151-153	Feedback Off	
154-156	Feedback On	
157-159	Init PAN Off	
160-162	Init PAN On	
163-165	Init TILT Off	
166-168	Init TILT On	
169-171	Prerig INIT Off	
172-174	Prerig INIT On	
175-177	Reset Mode (Fast)	
178-180	Reset Mode (All Rot Gobos)	
181-183	Pan/Tilt Spd Fast	
184-186	Pan/Tilt Spd Medium	
187-189	Pan/Tilt Spd Slow	
190-192	unused	
193-195	Zoom/Focus Spd Fast	
196-198	Zoom/Focus Spd Medium	
199-201	Zoom/Focus Spd Slow	
202-204	Reset Laser Fade Off	
205-207	Reset Laser Fade On	
208-210	Defog Off	
211-213	Defog Auto	
214-216	Defog On	
217-255	unused	