

**DMX channel functions and their values (64DMX channels):**

From SW 101Q

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<b>PAN Movement 8bit :</b>
			0-255	Pan Movement
2		2		<b>Pan Fine 16bit</b>
			0-255	Fine control of Pan movement
3	2	3		<b>TILT Movement 8bit :</b>
			0-255	Tilt Movement
4		4		<b>Tilt Fine 16bit</b>
			0-255	Fine control of Tilt movement
5	3	5		<b>Speed Pan/Tilt movement:</b>
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
		246-255	no function	
6	4	6		<b>Shutter, strobe:</b>
			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)			
7	5	7		<b>Dimmer intensity:</b>
			0-255	Intensity 0 to 100%
		8		<b>Fine Dimmer intensity:</b>
			0-255	Dimmer intensity fine
8	6	9		<b>Chase Patterns:</b>
			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			

9	7	10	0-125 126-130 131-255	<b>Chase Speed:</b> Fast to Slow Backward Stop(Speed=0) Slow to Fast Forward
10	8	11	0-255	<b>Chase Fade:</b> Fade Chase
11	9	12	0-255	<b>Zoom :</b> Zoom adjustment from small to big
		13	0-255	<b>Zoom Fine:</b> Zoom adjustment Fine
12	10	14	0-255	<b>Focus :</b> Continuous adjustment from near to far
		15	0-255	<b>Focus Fine:</b> Continuous adjustment Fine
13	11	16	0-50 51-100 101-150 151-200 201-255	<b>Auto Focus :</b> Auto Focus Off 5m 7.5m 10m 15m
14	12	17	0-255	<b>AutoFocus Fine:</b> Continuous adjustment Fine
15	13	18	0-3 4-7 8-11 12-15 16-19 20-23 24-27 28-127 128-189 190-193 194-255	<b>Color Wheel:</b> Open / white Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color indexing Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast
		19	0-255	<b>Color Wheel Fine:</b> Color Wheel colour change to any position Fine
16	14	20	0-63 64-127 128-255	<b>CTB/CRI:</b> Open CTB CRI
17	15	21	0-255	<b>Cyan Color :</b> Cyan (0-white, 255-100% Cyan)
		22	0-255	<b>Cyan Color Fine :</b> Cyan Fine
18	16	23	0-255	<b>Magenta Color :</b> Magenta (0-white, 255-100% magenta)
		24	0-255	<b>Magenta Color Fine :</b> Magenta Fine
19	17	25	0-255	<b>Yellow Color :</b> Yellow (0-white, 255-100% Yellow)
		26	0-255	<b>Yellow Color Fine :</b> Yellow Fine
20	18	27	0-255	<b>CTO Color :</b> CTO (0-white, 255-100% CTO)
		28	0-255	<b>CTO Color Fine :</b> CTO Fine

21	19	29		<b>Rotating gobos, cont. rotation 1:</b>
			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		<b>Rotating gobo index,rotating gobo rotation 1:</b>
			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		<b>Rotating gobo indexing Fine 1:</b>
			0-255	Fine indexing
23	21	32		<b>Rotating gobos, cont. rotation 2:</b>
			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		<b>Rotating gobo index,rotating gobo rotation 2:</b>
			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		<b>Rotating gobo indexing Fine 2:</b>
			0-255	Fine indexing
25	23	35		<b>Animation wheel:</b>
			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		<b>Iris:</b>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		37		<b>Iris Fine:</b>
			0-255	Iris Fine
27	25	38		<b>Prism 1:</b>
			0-127	Open
			128-255	5-Facet Prism
28	26	39		<b>Rotating prism index, rotating prism rotation 1</b>
			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		<b>Rotating prism indexing Fine 1:</b>
			0-255	Fine indexing
29	27	41		<b>Prism 2:</b>
			0-127	Open
			128-255	Linear Prism
30	28	42		<b>Rotating prism index, rotating prism rotation 2</b>
			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		<b>Rotating prism indexing Fine 2:</b>
			0-255	Fine indexing
31	29	44		<b>Frost 1:</b>
			0-255	0-100%
32	30	45		<b>Frost 2:</b>
			0-255	0-100%
33	31	46		<b>Blade 1A :</b>
			0-255	Open to Close
		47		<b>Blade 1A Fine :</b>
			0-255	Open to Close Fine
34	32	48		<b>Blade 1B :</b>
			0-255	Open to Close
		49		<b>Blade 1B Fine :</b>
			0-255	Open to Close Fine
35	33	50		<b>Blade 2A :</b>
			0-255	Open to Close
		51		<b>Blade 2A Fine :</b>
			0-255	Open to Close Fine
36	34	52		<b>Blade 2B :</b>
			0-255	Open to Close
		53		<b>Blade 2B Fine :</b>
			0-255	Open to Close Fine
37	35	54		<b>Blade 3A :</b>
			0-255	Open to Close
		55		<b>Blade 3A Fine :</b>
			0-255	Open to Close Fine
38	36	56		<b>Blade 3B :</b>
			0-255	Open to Close
		57		<b>Blade 3B Fine :</b>
			0-255	Open to Close Fine
39	37	58		<b>Blade 4A :</b>
			0-255	Open to Close
		59		<b>Blade 4A Fine :</b>
			0-255	Open to Close Fine
40	38	60		<b>Blade 4B :</b>
			0-255	Open to Close
		61		<b>Blade 4B Fine :</b>
			0-255	Open to Close Fine
41	39	62		<b>All Blade Rotation :</b>
			0-255	All Blade Rotation
		63		<b>All Blade Rotation Fine :</b>
			0-255	All Blade Rotation Fine

42	40	64		<b>Control, reset, internal programs:</b>
			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
			40-44	Silence fan control mode
			45-49	Square Law
			50-54	Linear
			55-59	1.2K
			60-64	2.4K
			65-69	16K
				<b>70-74 Gobo correction Off</b>
				<b>75-79 Gobo correction On</b>
				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
				100-119 Internal program 1 (scene1~8 of EEPROM)
				120-139 Internal program 2 (scene9~16 of EEPROM)
				140-159 Internal program 3 (scene17~24 of EEPROM)
				160-179 Internal program 4 (scene25~32 of EEPROM)
				180-199 Internal program 5 (scene33~40 of EEPROM)
				200-219 Internal program 6 (scene41~48 of EEPROM)
				220-239 Internal program 7 (scene49~56 of EEPROM)
				240-255 Internal program 8 (scene57~64 of EEPROM)