

## **MOVING HEAD GL2P :**

### **DMX channel's functions and their values (36, 38 & 59 DMX channels):**

Mode/Channel			Value	Function
Ba	St	Ex		
1	1	1	0-255	<b><u>PAN Movement 8bit :</u></b> Pan Movement
	2	2	0-255	<b><u>Pan Fine 16bit</u></b> Fine control of Pan movement
2	3	3	0-255	<b><u>TILT Movement 8bit :</u></b> Tilt Movement
	4	4	0-255	<b><u>Tilt Fine 16bit</u></b> Fine control of Tilt movement
3	5	5	0-225 226-235 236-245 246-255	<b><u>Speed Pan/Tilt movement:</u></b> max to min speed blackout by movement blackout by all wheel changing no function
4	6	6	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	<b><u>Shutter, strobe:</u></b> Shutter closed No function (shutter open) Strobe effect slow to fast No function (shutter open) Pulse-effect in sequences No function (shutter open) Random strobe effect slow to fast No function (shutter open)
5	7	7	0-255	<b><u>Dimmer intensity:</u></b> Intensity 0 to 100%
		8	0-255	<b><u>Fine Dimmer intensity:</u></b> Dimmer intensity fine
6	8	9	0-20 21-40 41-60 61-80 81-100 101-255	<b><u>Dim Modes</u></b> Standard Stage TV Architectural Theatre Default to Unit Setting
7	9	10	0-255	<b><u>Focus :</u></b> Continuous adjustment from near to far
		11	0-255	<b><u>Focus Fine:</u></b> Continuous adjustment Fine
8	10	12	0-255	<b><u>Zoom :</u></b> Zoom adjustment from small to big
		13	0-255	<b><u>Zoom Fine:</u></b> Zoom adjustment Fine
9	11	14	0-50 51-150	<b><u>Auto Focus:</u></b> Auto Focus Off 7.5m

			151-255	15m
10	12	15	0-255	<b><u>Auto Focus Fine:</u></b> Continuous adjustment Fine
11	13	16	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-189 190-193 194-255	<b><u>Color Wheel :</u></b> Open / white Col1(Red) Col2(Blue) Col3(Green) Col4(Yellow) Col5(Orange) Col6(Purple) Col7(Dark Blue) Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast
		17	0-255	<b><u>Color Wheel Fine :</u></b> Color Wheel color change to any position Fine
12	14	18	0-255	<b><u>Cyan Color :</u></b> Cyan (0-white, 255-100% Cyan)
		19	0-255	<b><u>Cyan Color Fine :</u></b> Cyan Fine
13	15	20	0-255	<b><u>Magenta Color :</u></b> Magenta (0-white, 255-100% magenta)
		21	0-255	<b><u>Magenta Color Fine :</u></b> Magenta Fine
14	16	22	0-255	<b><u>Yellow Color :</u></b> Yellow (0-white, 255-100% Yellow)
		23	0-255	<b><u>Yellow Color Fine :</u></b> Yellow Fine
15	17	24	0-255	<b><u>CT0 Color :</u></b> CT0 (0-white, 255-100% CT0)
		25	0-255	<b><u>CT0 Color Fine :</u></b> CT0 Fine
16	18	26	0-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-119 120-127 128-135 136-143 144-151 152-159 160-167 168-175 176-183 184-191	<b><u>Colour macros - CMY and colour wheel:</u></b> OFF Macro1 Macro2 Macro3 Macro4 Macro5 Macro6 Macro7 Macro8 Macro9 Macro10 Macro11 Macro12 Macro13 Macro14 Macro15 Macro16 Macro17 Macro18 Macro19 Macro20

			192-199	Macro21
			200-207	Macro22
			208-215	Macro23
			216-223	Macro24
			224-231	Macro25
			232-239	Macro26
			240-247	Macro27
			248-255	Random CMY
17	19	27	0-255	<b><u>Speed Of CMY &amp; Colour macro Speed:</u></b> Speed Max —>Min
18	20	28	0-7 8-17 18-27 28-37 38-47 48-57 58-67 68-77 78-93 94-109 110-125 126-141 142-157 158-173 174-189 190-221 222-223 224-255	<b><u>Rotating gobos, cont. rotation :</u></b> Open Rot. gobo 1 Rot. gobo 2 Rot. gobo 3 Rot. gobo 4 Rot. gobo 5 Rot. gobo 6 Rot. gobo 7 Gobo 1 shake slow to fast Gobo 2 shake slow to fast Gobo 3 shake slow to fast Gobo 4 shake slow to fast Gobo 5 shake slow to fast Gobo 6 shake slow to fast Gobo 7 shake slow to fast Gobo wheel rotation forwards from fast to slow Reserved Gobo wheel rotation f backwards from slow to fast
19	21	29	0-127 128-189 190-193 194-255	<b><u>Rotating gobo index, rotating gobo rotation :</u></b> Gobo indexing Forwards gobo rotation from fast to slow No rotation Backwards gobo rotation from slow to fast
		30	0-255	<b><u>Rotating gobo indexing Fine</u></b> Fine indexing
20	22	31	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-139 140-149 150-159 160-169 170-179	<b><u>Fixed Gobos :</u></b> Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 1 shake slow to fast Gobo 2 shake slow to fast Gobo 3 shake slow to fast Gobo 4 shake slow to fast Gobo 5 shake slow to fast Gobo 6 shake slow to fast Gobo 7 shake slow to fast Gobo 8 shake slow to fast

			180-189	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
		32	0-255	<b><u>Fixed gobo indexing Fine</u></b> Fixed gobo Fine indexing
21	23	33	0-191	<b><u>Iris:</u></b> Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		34	0-255	<b><u>Iris Fine:</u></b> Iris Fine
22	24	35	0-63	<b><u>Rotating prism, Prism / Gobo macros:</u></b> Open
			64-127	Prism
			128-135	Macro 1
			136-143	Macro 2
			144-151	Macro 3
			152-159	Macro 4
			160-167	Macro 5
			168-175	Macro 6
			176-183	Macro 7
			184-191	Macro 8
			192-199	Macro 9
			200-207	Macro 10
			208-215	Macro 11
			216-223	Macro 12
			224-231	Macro 13
			232-239	Macro 14
			240-247	Macro 15
			248-255	Macro 16
23	25	36	0-127	<b><u>Rotating prism index, rotating prism rotation:</u></b> 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	0-255	<b><u>Rotating prism indexing Fine :</u></b> Fine indexing
24	26	38	0-127	<b><u>Frost:</u></b> Disable Frost
			128-255	Enable Frost
25	27	39	0-255	<b><u>Blade 1 :</u></b> Open to Close
		40	0-255	<b><u>Blade 1 Fine :</u></b> Open to Close Fine
26	28	41	0-255	<b><u>Blade 1 Rotation :</u></b> Blade 1 Rotation
		42	0-255	<b><u>Blade 1 Rotation Fine :</u></b> Blade 1 Rotation Fine
27	29	43	0-255	<b><u>Blade 2 :</u></b> Open to Close
		44	0-255	<b><u>Blade 2 Fine :</u></b> Open to Close Fine
28	30	45	0-255	<b><u>Blade 2 Rotation :</u></b> Blade 2 Rotation

		46	0-255	<b><u>Blade 2 Rotation Fine :</u></b> Blade 2 Rotation Fine
29	31	47	0-255	<b><u>Blade 3 :</u></b> Open to Close
		48	0-255	<b><u>Blade 3 Fine :</u></b> Open to Close Fine
30	32	49	0-255	<b><u>Blade 3 Rotation :</u></b> Blade 3 Rotation
		50	0-255	<b><u>Blade 3 Rotation Fine :</u></b> Blade 3 Rotation Fine
31	33	51	0-255	<b><u>Blade 4 :</u></b> Open to Close
		52	0-255	<b><u>Blade 4 Fine :</u></b> Open to Close Fine
32	34	53	0-255	<b><u>Blade 4 Rotation :</u></b> Right Blade Rotation
		54	0-255	<b><u>Blade 4 Rotation Fine :</u></b> Right Blade Rotation Fine
33	35	55	0-255	<b><u>Blade Rotation :</u></b> All Blade Rotation
		56	0-255	<b><u>Blade Rotation Fine :</u></b> All Blade Rotation Fine
34	36	57	0-255	<b><u>Speed Of Blade Speed:</u></b> Speed Max →Min
35	37	58	0-15 16-30 31-45 46-60 61-75 76-90 91-105 106-120 121-135 136-150 151-165 166-180 181-195 196-210 211-225 226-240 241-255	<b><u>Blade macro effects:</u></b> OFF Macro1 Macro2 Macro3 Macro4 Macro5 Macro6 Macro7 Macro8 Macro9 Macro10 Macro11 Macro12 Macro13 Macro14 Macro15 Macro16
36	38	59	0-19 20-29 30-39 40-59 60-79 80-84 85-87 88-90 91-93 94-96 97-99 100-119 120-139 140-159	<b><u>Lamp on/off, reset, internal programs:</u></b> colour change normal colour change to any position colour&gobo change to any position no function no function All motor reset Scan motor reset Colors motor reset Gobo motor reset no function Other motor reset Internal program 1 Internal program 2 Internal program 3

			160-179	Internal program 4
			180-199	Internal program 5
			200-219	Internal program 6
			220-239	Internal program 7
			240-255	Reserved