

INSTRUCTIONS ON USE



DMX channel´s functions and their values (33 DMX channels):				
Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<u>PAN Movement 8bit :</u>
			0-255	Pan Movement
2		2		<u>Pan Fine 16bit</u>
			0-255	Fine control of Pan movement
3	2	3		<u>TILT Movement 8bit :</u>
			0-255	Tilt Movement
4		4		<u>Tilt Fine 16bit</u>
			0-255	Fine control of Tilt movement
5	3	5		<u>Speed Pan/Tilt movement:</u>
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
6	4	6		<u>Color Wheel:</u>
			0-13	Open / white
			14-27	Color 1
			28-41	Color 2
			42-55	Color 3
			56-69	Color 4
			70-83	Color 5
			84-97	Color 6
			98-111	Color 7
			112-127	Color 8
			128-189	Forwards rainbow effect from fast to slow
			190-193	No rotation
		7		<u>Color Wheel Fine :</u>
			0-255	Color Wheel colour change to any position Fine
7	5	8		<u>Cyan Color :</u>
			0-255	Cyan (0-white, 255-100% Cyan)
		9		<u>Cyan Color Fine :</u>
			0-255	Cyan Fine
8	6	10		<u>Magenta Color :</u>
			0-255	Magenta (0-white, 255-100% magenta)
		11		<u>Magenta Color Fine :</u>
			0-255	Magenta Fine
9	7	12		<u>Yellow Color :</u>
			0-255	Yellow (0-white, 255-100% Yellow)
		13		<u>Yellow Color Fine :</u>
			0-255	Yellow Fine

10	8	14		<u>Rotating gobos, cont. rotation:</u>
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3
			40-49	Rot. gobo 4
			50-59	Rot. gobo 5
			60-69	Rot. gobo 6
			70-89	Gobo 1 shake slow to fast
			90-109	Gobo 2 shake slow to fast
			110-129	Gobo 3 shake slow to fast
			130-149	Gobo 4 shake slow to fast
			150-169	Gobo 5 shake slow to fast
			170-189	Gobo 6 shake slow to fast
190-255	Rot. gobo wheel cont. rotation slow to fast			
11	9	15		<u>Rotating gobo index, rotating gobo rotation :</u>
			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
		16		<u>Rotating gobo indexing Fine</u>
			0-255	Fine indexing
12	10	17		<u>Fixed Gobos :</u>
			0-13	Open/hole
			14-27	Gobo 1
			28-41	Gobo 2
			42-55	Gobo 3
			56-69	Gobo 4
			70-83	Gobo 5
			84-97	Gobo 6
			98-111	Gobo 7
			112-127	Gobo 1 shake slow to fast
			128-143	Gobo 2 shake slow to fast
			144-159	Gobo 3 shake slow to fast
			160-175	Gobo 4 shake slow to fast
			176-191	Gobo 5 shake slow to fast
192-207	Gobo 6 shake slow to fast			
208-223	Gobo 7 shake slow to fast			
224-255	Gobo wheel rotation from slow to fast			
		18		<u>Fixed gobo indexing Fine</u>
			0-255	Fixed gobo Fine indexing
13	11	19		<u>Rotating prism, Prism / Gobo macros:</u>
			0-31	Open
			32-63	Rot. prism 1

			64-95	Rot. prism 2
			96-127	Rot. prism 3
			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
				<u>Rotating prism, Prism / Gobo macros:</u>
14	12	20	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
		21		<u>Rotating Prism indexing Fine</u>
			0-255	Fine indexing
15	13	22		<u>Focus :</u>
			0-255	Continuous adjustment from near to far
		23		<u>Focus Fine:</u>
			0-255	Continuous adjustment Fine
16	14	24		<u>Zoom :</u>
			0-255	Zoom adjustment from small to big
		25		<u>Zoom Fine:</u>
			0-255	Zoom adjustment Fine
17	15	26		<u>Shutter, strobe:</u>
			0-31	Shutter closed
			32-63	No function (shutter open)
			64-95	Strobe effect slow to fast
			96-127	No function (shutter open)
			128-159	Pulse-effect in sequences
			160-191	No function (shutter open)
			192-223	Random strobe effect slow to fast
			224-255	No function (shutter open)
18	16	27		<u>Dimmer intensity:</u>
			0-255	Intensity 0 to 100%

		28		<u>Fine Dimmer intensity:</u>
			0-255	Dimmer intensity fine
19	17	29		<u>Iris:</u>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse opening fast to slow
			224-255	Pulse closing slow to fast
		30		<u>Iris Fine:</u>
			0-255	Iris Fine
20	18	31		<u>Speed Of CMY & Colour macro Speed:</u>
			0-255	Speed Max –>Min
21	19	32		<u>Colour macros - CMY and colour wheel:</u>
			0-7	OFF
			8-15	Macro1
			16-23	Macro2
			24-31	Macro3
			32-39	Macro4
			40-47	Macro5
			48-55	Macro6
			56-63	Macro7
			64-71	Macro8
			72-79	Macro9
			80-87	Macro10
			88-95	Macro11
			96-103	Macro12
			104-111	Macro13
			112-119	Macro14
			120-127	Macro15
			128-135	Macro16
			136-143	Macro17
			144-151	Macro18
			152-159	Macro19
			160-167	Macro20
			168-175	Macro21
			176-183	Macro22
			184-191	Macro23
			192-199	Macro24
			200-207	Macro25
			208-215	Macro26
			216-223	Macro27
			224-231	Macro28
232-239	Macro29			
240-247	Macro30			
			248-255	Random CMY

22	20	33		Lamp on/off, reset, internal programs:
			0-19	colour & gobo change normal
			20-29	colour change to any position
			30-39	colour & gobo change to any position
			40-59	Lamp on
			60-79	Lamp switch off
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	Shutter & Dimmer motor reset
			97-99	Other motor reset
			100-119	Internal program 1 (scene 1~8 of EEPROM)
			120-139	Internal program 2 (scene 9~16 of EEPROM)
			140-159	Internal program 3 (scene 17~24 of EEPROM)
			160-179	Internal program 4 (scene 25~32 of EEPROM)
			180-199	Internal program 5 (scene 33~40 of EEPROM)
			200-219	Internal program 6 (scene 41~48 of EEPROM)
			220-239	Internal program 7 (scene 49~56 of EEPROM)
			240-255	Music Control (scene of Program 1)