GT-1

DMX Channel Index

From Software Version .78

G L P

GERMAN LIGHT
P R O D U C T S

Normal Mode (23 DMX Channels)

Channel		Function	Time & Value	Percent[1]	DMX
1	**Pan, MSB**	coarse pan (high/8-bit)	0-630°	0-100%	0-255
2	**Pan, LSB**	fine pan (low/16-bit)		0-100%	0-255
3	**Tilt, MSB**	coarse tilt (high/8-bit)	0-280°	0-100%	0-255
4	**Tilt, LSB**	fine tilt (low/16-bit)		0-100%	0-255
5	**Color Wheel**	color wheel position and rotation	(1) open (2) primary red (3) primary blue (4) CTO 4200 (5) CTO 3200 (6) CTO 5600 (7) half minus green (8) light frost (9) nice vivid pink (10) cyan (11) medium orange (12) Congo blue color scroll / split colors negative rotation, fast to slow rotation stop positive rotation, slow to fast	0-1% 2% 4% 5% 7% 8% 10% 12% 13% 15% 16% 18% 19-65% 66-82% 83% 84-100%	0-3 4-7 8-11 12-15 16-19 20-23 24-27 28-31 32-35 36-39 40-43 44-47 48-167 168-211 212 213-255
6	**Cyan**	cyan color mixing	no cyan to full cyan	0-100%	0-255
7	**Magenta**	magenta color mixing	no magenta to full magenta	0-100%	0-255
8	**Yellow**	yellow color mixing	no yellow to full yellow	0-100%	0-255
9	**Gobo Wheel 1**	rotating gobo selection	(1) Open (2) Pick Up Sticks (3) Window Grills (4) Dotted Lines (5) Square Outline (6) Fan Flags (7) Linear (8) Speckle (9) Explosion	0-12% 14-23% 24-33% 35-44% 46-54% 56-65% 66-75% 77-86% 88-100%	0-33 34-60 61-87 88-114 115-140 141-167 168-194 195-221 222-255
10	**Gobo Indexing & Rotation, MSB**	coarse control (high/8-bit)	coarse indexing, 0-360° negative rotation, fast to slow rotation stop positive rotation, slow to fast	0-49% 50-74% 75% 76-100%	0-127 128-191 192 193-255
11	**Gobo Indexing & Rotation, LSB**	fine control (low/16-bit)	fine indexing/rotation speed	0-100%	0-255
12	**Gobo Wheel 2**	fixed gobo selection	(1) open (2) gobo 01 (3) gobo 02 (4) gobo 03 (5) gobo 04 (6) gobo 05 (7) gobo 06 (8) gobo 07 (9) gobo 08 (10) gobo 09 (11) gobo 10 (12) gobo 11 (13) gobo 12 (14) gobo 13 (15) gobo 14 (16) gobo 15 (17) gobo 16 (18) gobo 17	0-1% 2% 4% 5% 7% 8% 10% 12% 13% 15% 16% 18% 19% 21% 22% 24% 25% 27%	0-3 4-7 8-11 12-15 16-19 20-23 24-27 28-31 32-35 36-39 40-43 44-47 48-51 52-55 56-59 60-63 64-67 68-71

				%	DMX
			(19) gobo 18	29%	72-75
			(20) gobo 19	30%	76-79
			negative rotation, fast to slow	32-65%	80-167
			rotation stop	66%	168
			positive rotation, slow to fast	67-100%	169-255
13	**Shutter**	shutter and strobe effects	closed	0-5%	0-15
			random pulse, slow to fast	7-18%	16-47
			fade-in pulse, rnd slow to fast	19-30%	48-79
			fade-out pulse, rnd slow to fast	32-43%	80-111
			fade-in/out pulse, rnd slow to fast	44-55%	112-143
			flash, delayed 5 sec. to 1 sec.	56-77%	144-199
			strobe effect, 1 to 10 Hz	79-93%	200-239
			shutter open	94-100%	240-255
14	**Dimmer**	dimmer	open to closed	0-100%	0-255
15	**Focus, MSB**	coarse focus (low/8-bit)	near to infinity	0-100%	0-255
16	**Focus, LSB**	fine focus (high/16-bit)	near to far	0-100%	0-255
17	**Zoom**	zoom angle	zoom angle, wide to near	0-91%	0-234
			beam mode	92-100%	235-255
18	**Frost**	insert frost filter	full out to full in	0-100%	0-255
19	**Prism**	prism selection	open (no prism)	0-25%	0-66
			8-facet	26-49%	67-127
			3- facet	50-73%	128-188
			4-facet linear	74-100%	189-255
20	**Prism Rotation**	prism indexing and rotation	index 0-360°	0-49%	0-127
			negative rotation, fast to slow	50-74%	128-191
			rotation stop	75%	192
			positive rotation, slow to fast	76-100%	193-255
21	**Effect Wheel**	insert effect wheel	full out to full in	0-100%	0-255
22	**Effect Wheel Rotation**	effect wheel rotation	rotation stop	0%	0
			negative rotation, fast to slow	1-49%	1-127
			rotation stop	50%	128
			positive rotation, slow to fast	51-100%	129-255
23	**Control Channel**	fixture control: set to level 0 before sending command, hold command for 3 seconds	enable commands	0%	0
			reserved	1-68%	1-175
			new CMY curve	69%	176-179
			old CMY curve	71%	180-183
			reset head (only)	72%	184-187
			lamp off	74%	188-191
			no function	76%	192-195
			lamp on	77%	196-199
			Esoft dimmer curve	79%	200-203
			linear dimmer curve	80%	204-207
			disable position feedback	82%	208-211
			enable position feedback	83%	212-215
			disable DMX hold	85%	216-219
			enable DMX hold	87%	220-223
			zoom inverse, Off	88%	224-227
			zoom inverse, On	90%	228-231
			tilt inverse, Off	91%	232-235
			tilt inverse, On	93%	236-239
			pan inverse, Off	94%	240-243
			pan inverse, On	96%	244-247
			factory defaults	97%	248-251
			fixture reset	99-100%	252-255

[1] Percent values are calculated by dividing DMX levels by 2.56 and rounding. When rounding causes a percent value to span two commands, the percent range is compressed.