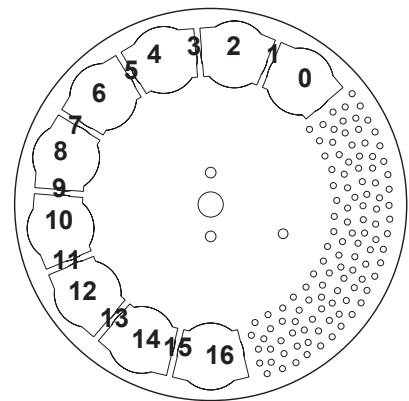
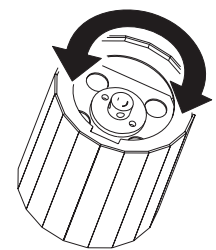
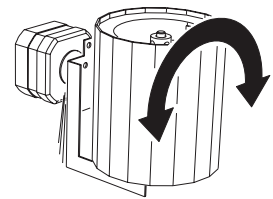
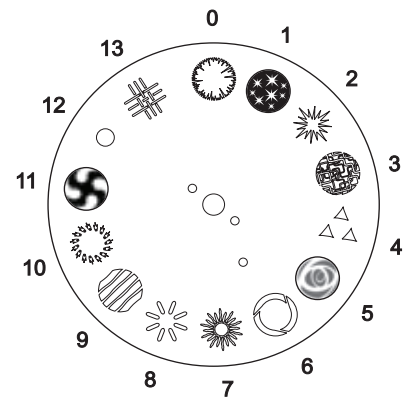


DMX PROTOCOL: 11-CHANNEL MODE

Channel	Value	Percent	Function
			Light, Strobe, Music trig, Reset
1	0-1	0	Shutter on (light off)
	2-129	1-50	Dimmer (100-0%) & Lamp on
	130-189	51-74	Strobe (fast to slow)
	190-199	75-78	Shutter on (light off)
	200-209	79-82	Random strobe
	210-219	83-86	Stand-alone music trig
	220-229	87-90	Stand-alone autotrig
	230-239	91-94	Shutter On
	240-249	95-98	Reset (when set for > 5 sec.)
	250-255	99-100	Lamp off (when set for > 5 sec. & channels 2 & 3 > 252)
2	0-1	0	No rotation
	2-63	1-24	Clockwise rotation (slow to fast)
	64-65	25	No rotation
	66-127	26-49	Counter clockwise rotation (fast to slow)
	128-129	50	No rotation
	130-190	51-74	Narrow shake (slow to fast)
	191-254	75-99	Wide shake (slow to fast)
255	100	Random shake	
			Color
3	0-5	0-1	0 Open
	6-11	2-4	1 Open / Blue
	12-17	5-6	2 Blue 108
	18-23	7-8	3 Blue / Orange
	24-29	9-10	4 Orange 306
	30-35	11-13	5 Orange / Purple
	36-41	14-15	6 Purple 502
	42-47	16-17	7 Purple / Green
	48-53	18-20	8 Green 206
	54-59	21-22	9 Green / Blue
	60-65	23-25	10 Blue 101
	66-71	26-27	11 Blue / Yellow
	72-77	28-29	12 Yellow 603
	78-83	30-32	13 Yellow / Magenta
	84-89	33-35	14 Magenta 507
	90-95	36-37	15 Magenta / Open
	96-101	38-39	16 Open
	102-169	40-66	Color rotation (slow to fast)
	170-175	67-68	No rotation
	176-243	69-95	Twinkle rotation (slow to fast)
244-249	96-97	No rotation	
250-255	98-100	Remote stand-alone music trig and auto trig	



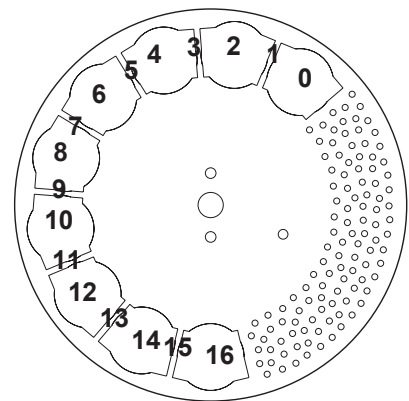
Channel	Value	Percent	Function
4	0-1	0	Color shake No shake
	2-128	1-50	Narrow shake (slow to fast)
	129-255	51-100	Wide shake (slow to fast)
5	0-10	0-3	Gobo 0 Open
	11-22	4-8	1 Starz
	23-34	9-13	2 Zapp
	35-46	14-17	3 Pipes
	47-58	18-22	4 Triple dot
	59-70	23-26	5 Crazy circles
	71-82	27-31	6 Cone
	83-94	32-36	7 Sun
	95-106	37-41	8 Spokes
	107-118	42-46	9 Bars
	119-130	47-50	10 Gyroblast
	131-142	51-55	11 Happy yins
	143-154	56-60	12 Dot
	155-169	61-66	13 Weave
	170-239	67-94	Wheel rotation (slow to fast)
	240-249	95-97	No rotation
	250-255	98-100	Remote stand-alone music trig and auto trig
6	0-1	0	Gobo shake No shake
	2-128	1-50	Narrow shake (slow to fast)
	129-255	51-100	Wide shake (slow to fast)
7	0	0	Mirror drum swivel (pan) Max Left
	63	24	Neutral
	127	50	Max Right
	128-191	51-74	Narrow shake (slow-fast)
	255	75-100	Wide shake (slow-fast)
8	0-1	0	Mirror drum rotation (tilt) No rotation
	2-63	1-24	Clockwise rotation (slow to fast)
	64-65	25	No rotation
	66-127	26-49	Counterclockwise rotn. (fast to slow)
	128-129	50	No rotation
	130-191	51-74	Narrow shake (slow-fast)
192--255	75-100	Wide shake (slow-fast)	



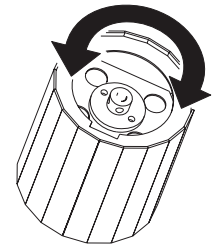
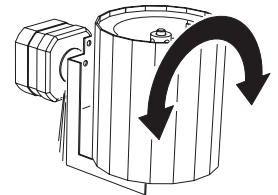
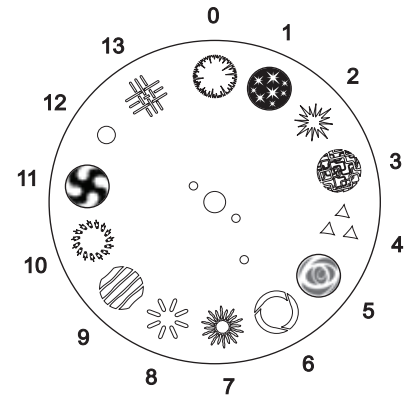
Channel	Value	Percent	Function
9	0-15	0-5	Macros Macro 1
	16-31	6-11	Macro 2
	32-47	12-18	Macro 3
	48-63	19-24	Macro 4
	64-79	25-30	Macro 5
	80-95	31-37	Macro 6
	96-111	38-43	Macro 7
	112-127	44-49	Macro 8
	128-143	50-55	Macro 9
	144-159	56-62	Macro 10
	160-175	63-68	Macro 11
	176-191	69-74	Macro 12
	192-255	75-100	Reserved: no function
10	0-1	0	Mirror drum swivel (pan) speed Tracking
	2-255	1-100	Fast to slow
11	0-255	0-100	Color and gobo speed Fast to slow

DMX PROTOCOL: WIZARD EMULATION 8-CHANNEL MODE

Channel	Value	Percent	Function
1	0-1	0	Light Shutter closed
	2-129	1-50	Dimmer (closed-open) & Lamp on
	130-189	51-74	Strobe (fast to slow)
	190-199	75-78	Shutter closed
	200-209	79-82	Random strobe
	210-219	83-86	Stand-alone music trig
	220-229	87-90	Stand-alone auto trig
	230-239	91-94	Shutter closed
	240-249	95-98	Reset (hold for >5 seconds)
	250-255	99-100	Lamp off (when set for > 5 seconds & channel 3 & 4 > 252)
2	0-1	0	Mirror dish rotation No rotation
	2-122	1-47	Clockwise rotation (slow to fast)
	123-132	48-51	No rotation
	133-253	52-99	Counter clockwise rotation (fast to slow)
	254-255	100	No rotation
3	0-5	0-1	Color 0 Open
	6-11	2-4	1 Open / Blue
	12-17	5-6	2 Blue 108
	18-23	7-8	3 Blue / Orange
	24-29	9-10	4 Orange 306
	30-35	11-13	5 Orange / Purple
	36-41	14-15	6 Purple 502
	42-47	16-17	7 Purple / Green
	48-53	18-20	8 Green 206
	54-59	21-22	9 Green / Blue
	60-65	23-25	10 Blue 101
	66-71	26-27	11 Blue / Yellow
	72-77	28-29	12 Yellow 603
	78-83	30-32	13 Yellow / Magenta
	84-89	33-35	14 Magenta 507
	90-95	36-37	15 Magenta / Open
	96-101	38-39	16 Open
	102-169	40-66	Color rotation (slow to fast)
	170-175	67-68	No rotation
	176-243	69-95	Twinkle rotation (slow to fast)
244-249	96-97	No rotation	
250-255	98-100	Remote stand-alone music trig and auto trig	



Channel	Value	Percent	Function
4	0-10	0-3	Gobo 0 Open
	11-22	4-8	1 Starz
	23-34	9-13	2 Zapp
	35-46	14-17	3 Pipes
	47-58	18-22	4 Triple dot
	59-70	23-26	5 Crazy circles
	71-82	27-31	6 Cone
	83-94	32-36	7 Sun
	95-106	37-41	8 Spokes
	107-118	42-46	9 Bars
	119-130	47-50	10 Gyroblast
	131-142	51-55	11 Happy yins
	143-154	56-60	12 Dot
	155-169	61-66	13 Weave
	170-239	67-94	Wheel rotation (slow to fast)
	240-249	95-97	No rotation
	250-255	98-100	Remote stand-alone music trig and auto trig
5	0	0	Mirror drum swivel (pan) Max Left
	127	50	Neutral
	255	100	Max Right
6	0-1	0	Mirror drum rotation (tilt) No rotation
	2-122	1-48	Clockwise rotation (slow to fast)
	123-132	49-52	No rotation
	133-253	53-99	Counter clockwise rot. (fast to slow)
	254-255	100	No rotation
7	0-1	0	Mirror drum swivel (pan) speed Tracking
	2-255	1-100	Fast to slow
8	0-255	0-100	Color and gobo wheel speed Fast to slow



DMX PROTOCOL: 1-CHANNEL MODE

Channel	DMX value	Percent	Function
1	0-10	0-3	Light off
	11-20	4-7	Light on
	21-80	8-31	Strobe
	81-115	32-44	Slow music trig (every 2 seconds)
	116-140	45-54	Medium music trig (every second)
	141-175	55-68	Fast music trig (every 0.2 seconds)
	176-210	69-82	Random music trig (between 0.2-2.0 seconds)
	211-255	83-100	Trigger whenever DMX value 240 is crossed