

## Design Spot 250 Pro – DMX Channel Assignment

### **Channel 1 - Pan movement 8bit:**

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### **Channel 2 – Pan fine 16bit:**

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### **Channel 3 - Tilt movement 8bit:**

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### **Channel 4 – Tilt fine 16bit:**

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### **Channel 5 - Color Wheel:**

0-13	Open / White	
14-27	Red	
28-41	Blue	
42-55	Green	
56-69	Yellow	
70-83	Magenta	
84-97	Orange	
98-111	UV filter	
112-127	Pink	
128-187	Forwards rainbow effect from fast to slow	
188-193	No rotation	
194-255	Backwards rainbow effect from slow to fast	

### **Channel 6 - Rotating gobos, cont. rotation:**

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	
70-79	Rot. Gobo 7	
80-99	Gobo 1 shake slow to fast	
100-119	Gobo 2 shake slow to fast	
120-139	Gobo 3 shake slow to fast	
140-159	Gobo 4 shake slow to fast	
160-179	Gobo 5 shake slow to fast	
180-199	Gobo 6 shake slow to fast	
200-219	Gobo 7 shake slow to fast	

220-255	Rot. Gobo Wheel CW Rotation slow to fast	

**Channel 7 - Rotating Gobo Index, Rotating Gobo Rotation:**

0-127	Gobo Indexing	
128-187	CW Gobo Rotation from fast to slow	
188-193	No rotation	
194-255	CCW Gobo Rotation from slow to fast	

**Channel 8 - Fixed Gobos:**

0-13	Open	
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	

**Channel 9 - 3 facet rotating prism, Prism / Gobo macros:**

0-3	Open	
4-63	Clockwise prism rotation from fast to slow	
64-67	No rotation	
68-127	Counter-Clockwise prism rotation from slow to fast	
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	

**Channel 10 - Focus:**

0-255	Continuous adjustment from far to near	

**Channel 11 - Shutter, Strobe Control:**

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 from slow to fast	
224-255	Shutter Open – Dimmer Control	

**Channel 12 - Dimmer (Intensity):**

0-255	Intensity from 0% to 100%	

**Channel 13 - Iris:**

0-191	Iris Control from maximum to minimum diameter	
192-223	Iris Closing Pulse Effect from fast to slow	
224-255	Iris Opening Pulse Effect from slow to fast	

**Channel 14 - Frost Filter:**

0-191	Frost Filter 0% ~ 100%	
192-223	Frost Filter Opening Pulse Effect from fast to slow	
224-254	Frost Filter Closing Pulse Effect from slow to fast	
255	100% Frost	

**Channel 15 - Speed Pan/Tilt Movement:**

0-4	Max speed	
5-225	Max to min speed	
226-235	Blackout by movement	
236-245	Blackout by all wheel changing	

246-255	No function	
<b><u>Channel 16 - Lamp on/off, Reset, Internal Programs:</u></b>		
0-19	Color and Gobo Change Normal (Solid Colors/Gobo Only)	
20-29	Enables Split Colors	
30-39	Enables Split Colors and Split Gobos	
40-59	Lamp on	
60-79	Lamp switch off	
80-84	All motor reset	
85-87	Scan motor reset	
88-90	Color motors reset	
91-93	Gobo motors reset	
94-96	Shutter & Dimmer motor reset	
97-99	Other motor reset	
100-119	Internal program 1 (scenes 1~8 of EEPROM)	
120-139	Internal program 2 (scenes 9~16 of EEPROM)	
140-159	Internal program 3 (scenes 17~24 of EEPROM)	
160-179	Internal program 4 (scenes 25~32 of EEPROM)	
180-199	Internal program 5 (scenes 33~40 of EEPROM)	
200-219	Internal program 6 (scenes 41~48 of EEPROM)	
220-239	Internal program 7 (scenes 49~56 of EEPROM)	
240-255	Auto program by music (Program 1)	