

Design Spot-300 PRO

DMX channel's functions and values (22 DMX channels):

Channel 1 - PAN movement 8bit :

Channel 2 – Pan fine 16bit

Channel 3 - TILT movement 8bit :

Channel 4– Tilt fine 16bit

Channel 5 - Color Wheel :

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
194-255	Backwards rainbow effect from slow to fast

Channel 6 - Cyan Color Wheel :

0-255	Cyan (0-white, 255-100% Cyan)
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Channel 7 - Magenta Color Wheel :

0-255	Magenta (0-white, 255-100% magenta)
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Channel 8 - Yellow Color Wheel :

0-255	Yellow (0-white, 255-100% Yellow)
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Channel 9 - 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
70-89	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

Channel 10 - Rotating gobo index, rotating gobo rotation :

0-3	Gobo indexing
4-127	Forwards gobo rotation from fast to slow
128-131	No rotation
132-255	Backwards gobo rotation from slow to fast

Channel 11- Fixed Gobos :

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

Channel 12- rotating prism, Prism / Gobo macros:

0-31	Open
32-63	Frost
64-95	Rot. prism 1
96-127	Rot. prism 2
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 13 - Rotating prism index, rotating prism rotation :

0-3	Prism indexing
4-127	Forwards prism rotation from fast to slow
128-131	No rotation
132-255	Backwards prism rotation from slow to fast

Channel 14 – Focus:

0-255 Continuous adjustment from far to near

Channel 15 – Stepless Zoom

0-255 Zoom adjustment from small to big

Channel 16 - Shutter, strobe:

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)

Channel 17- Dimmer (intensity):

0-255 Intensity 0 to 100%

Channel 18– Iris:

0-191 Max. diameter to Min.diameter
192-223 Pulse opening fast to slow
224-255 Pulse closing slow to fast

Channel 19 - Speed Of CMY :

0-255 Speed Max →Min

Channel 20 - Colour macros - CMY and colour wheel:

0-7	OFF	128-135	Macro16
8-15	Macro1	136-143	Macro17
16-23	Macro2	144-151	Macro18
24-31	Macro3	152-159	Macro19
32-39	Macro4	160-167	Macro20
40-47	Macro5	168-175	Macro21
48-55	Macro6	176-183	Macro22
56-63	Macro7	184-191	Macro23
64-71	Macro8	192-199	Macro24
72-79	Macro9	200-207	Macro25
80-87	Macro10	208-215	Macro26
88-95	Macro11	216-223	Macro27
96-103	Macro12	224-231	Macro28
104-111	Macro13	232-239	Macro29
112-119	Macro14	240-247	Macro30
120-127	Macro15	248-255	Random CMY

Channel 21 - Speed pan/tilt movement:

0-225 max to min speed
226-235 blackout by movement
236-245 blackout by all wheel changing
246-255 no function

Channel 22– 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 (secne1~8 of EEPROM)
120-139	Internal program 2 (secne9~16 of EEPROM)
140-159	Internal program 3 (secne17~24 of EEPROM)
160-179	Internal program 4 (secne25~32 of EEPROM)
180-199	Internal program 5 (secne33~40 of EEPROM)
200-219	Internal program 6 (secne41~48 of EEPROM)
220-239	Internal program 7 (secne49~56 of EEPROM)
240-255	Music Control (secne of Program 1)