

# **Design Spot 575E Channel Traits – 24 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	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 - 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 – Gobo Wheel 1 - rotating gobos:**

0-9	Open
10-19	Gobo 1
20-29	Gobo 2
30-39	Gobo 3
40-49	Gobo 4
50-59	Gobo 5

60-69	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	Gobo Wheel Scroll – Continuous rotation slow to fast

**Channel 10 – Gobo Wheel 1- Indexing, rotation:**

0-127	Gobo indexing
128-187	Forwards gobo rotation from fast to slow
188-193	No rotation
194-255	Backwards gobo rotation from slow to fast

**Channel 11 – Gobo Wheel 2 – Rotating gobos:**

0-9	Open
10-19	Gobo 1
20-29	Gobo 2
30-39	Gobo 3
40-49	Gobo 4
50-59	Gobo 5
60-69	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	Gobo Wheel Scroll – Continuous rotation slow to fast

**Channel 12 - Rotating gobo index, rotating gobo rotation:**

0-127	Gobo indexing
128-187	Forwards gobo rotation from fast to slow
188-193	No rotation
194-255	Backwards gobo rotation from slow to fast

**Channel 13 - 3 facet rotating prism, Prism / Gobo macros:**

0-3	Open
4-63	Forwards rotation from fast to slow

64-67	No rotation
68-127	Backwards 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 14 - Focus:**

0-255 Continuous adjustment from near to far

**Channel 15 – Variable Zoom - Seamless**

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 closing fast to slow  
224-255 Pulse opening slow to fast

**Channel 19 - Frost:**

0-191 Frost 0~100%  
192-223 Pulse opening fast to slow  
224-254 Pulse closing slow to fast  
255 Max. Frost

**Channel 20 - Animation Wheel, rotating fire wheel:**

0-7 Open  
8-255 Forwards rotation from fast to slow

**Channel 21 - Speed Of CMY And Dimmer:**

0-255 Speed Maximum to Minimum

**Channel 22 - Color macros - CMY and color wheel:**

0-7	OFF	128-135	Macro 16
8-15	Macro1	136-143	Macro 17
16-23	Macro2	144-151	Macro 18
24-31	Macro3	152-159	Macro 19
32-39	Macro4	160-167	Macro 20
40-47	Macro5	168-175	Macro 21
48-55	Macro6	176-183	Macro 22
56-63	Macro7	184-191	Macro 23
64-71	Macro8	192-199	Macro 24
72-79	Macro9	200-207	Macro 25
80-87	Macro10	208-215	Macro 26
88-95	Macro11	216-223	Macro 27
96-103	Macro12	224-231	Macro 28
104-111	Macro13	232-239	Macro 29
112-119	Macro14	240-247	Macro 30
120-127	Macro15	248-255	Random CMY

**Channel 23 - 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 24 - Lamp on/off, reset, internal programs:**

0-19	Color change normal
20-39	Color 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 (scene1~8 of EPROM)
120-139	Internal program 2 (scene9~16 of EPROM)
140-159	Internal program 3 (scene17~24 of EPROM)
160-179	Internal program 4 (scene25~32 of EPROM)
180-199	Internal program 5 (scene33~40 of EPROM)
200-219	Internal program 6 (scene41~48 of EPROM)
220-239	Internal program 7 (scene49~56 of EPROM)
240-255	Music Control (scene of Program 1)