

DESIGN SPOT 300E DMX TRAITS:

CHANNEL 1: Pan Movement (max. 540° or 630° User Selectable)

CHANNEL 2: 16bit Pan Movement (pan fine)

CHANNEL 3: Tilt Movement (max. 265°)

CHANNEL 4: 16bit Tilt Movement (tilt fine)

CHANNEL 5: Color Wheel

CHANNEL 6: Cyan Filter

CHANNEL 7: Magenta Filter

CHANNEL 8: Yellow Filter

CHANNEL 9: Gobo Wheel 1 (Rotating)

CHANNEL 10: Gobo Index, Gobo Rotation Speed/Direction (Gobo Wheel 1)

CHANNEL 11: Gobo Wheel 2 (Rotating)

CHANNEL 12: Effects Wheel – Prism, Frost, Gobo Macros

CHANNEL 13: Prism Control – Indexing and Rotation

CHANNEL 14: Focus Control Motor (Near ~ Far)

CHANNEL 15: Strobe (0-13Hz), Shutter close/open function + random strobe

CHANNEL 16: Dimmer (Intensity) Control

CHANNEL 17: Iris (Closed to Open)

CHANNEL 18: CMY Speed

CHANNEL 19: Color Macros (CMY and Color Wheels)

CHANNEL 20: Speed Control (Pan/Tilt movement, blackout selection)

CHANNEL 21: Special (program control + lamp on, motor reset, lamp switch off)

DMX channel function and values:

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	Clockwise scroll from fast to slow
190-193	No rotation
194-255	Counter-Clockwise scroll 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/Replaceable 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	Clockwise Continuous Rotation from Slow to Fast

Channel 10 - Gobo Wheel 1 Indexing and Rotation Control:

0-127	Gobo indexing
128-189	Clockwise gobo rotation from fast to slow
190-193	No rotation
194-255	Counter-Clockwise gobo rotation from slow to fast

Channel 11 - Gobo Wheel 2, 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	Clockwise Rotation from Slow to Fast

Channel 12 - Effects Wheel, Prism, Frost, Gobo Macros:

0-31	Open
32-63	Frost Filter
64-95	Prism 1 – 3 Facet
96-127	Prism 2 - Infinite
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 - Prism Control, Indexing and Rotation:

0-127	Prism indexing
128-189	Forwards prism rotation from fast to slow
190-193	No rotation
194-255	Backwards prism rotation from slow to fast

Channel 14 - Focus:

0-255	Continuous adjustment from far to near
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Channel 15 - Shutter 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 slow to fast
224-255	No function (shutter open)

Channel 16 - Dimmer Control:

0-255	Intensity 0 to 100%
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Channel 17 - Iris Control:

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

Channel 18 - Speed Of CMY:

0-255	Speed Max →Min
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Channel 19 - Color Macros (CMY and Color Wheel Combinations):

0-7	OFF
8-15	Macro1

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

Channel 20 - Speed Control for Pan & Tilt Movements:

0-225	Max to min speed
226-235	Blackout by movement
236-245	Blackout by all wheel changing
246-255	No function

Channel 21 - Lamp on/off, reset, internal programs:

0-19	Color & gobo change normal
20-29	Color change to any position
30-39	Color & 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 (scene1~8 of EEPROM)
120-139	Internal program 2 (scene9~16 of EEPROM)
140-159	Internal program 3 (scene17~24 of EEPROM)
160-179	Internal program 4 (scene25~32 of EEPROM)
180-199	Internal program 5 (scene33~40 of EEPROM)
200-219	Internal program 6 (scene41~48 of EEPROM)
220-239	Internal program 7 (scene49~56 of EEPROM)
240-255	Music Control (scene of Program 1)