

## Design Spot 300 Pro DMX Traits

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<b><u>Pan Movement 8bit:</u></b>
			0-255	Pan Movement (630°/540°)
2		2		<b><u>Pan Fine 16bit</u></b>
			0-255	Fine control of Pan movement
3	2	3		<b><u>Tilt Movement 8bit:</u></b>
			0-255	Tilt Movement (260°)
4		4		<b><u>Tilt Fine 16bit</u></b>
			0-255	Fine control of Tilt movement
5	3	5		<b><u>Color Wheel:</u></b>
			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 rainbow effect from fast to slow
			190-193	No rotation
194-255	Counter-clockwise rainbow effect from slow to fast			
		6		<b><u>Color Wheel Fine:</u></b>
			0-255	Color change to any position
6	4	7		<b><u>Cyan Color:</u></b>
			0-255	Cyan (0-100%)

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		8		<u>Cyan Color Fine:</u>
			0-255	Cyan Fine
7	5	9		<u>Magenta Color:</u>
			0-255	Magenta (0-100%)
		10		<u>Magenta Color Fine:</u>
			0-255	Magenta Fine
8	6	11		<u>Yellow Color:</u>
			0-255	Yellow (0-100%)
		12		<u>Yellow Color Fine:</u>
			0-255	Yellow Fine
9	7	13		<u>Gobo Wheel 1(Rotating):</u>
			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 gobo wheel rotation, slow to fast
10	8	14		<u>Gobo Indexing/Rotating (Coarse):</u>
			0-127	Gobo indexing

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			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
			194-255	Backwards gobo rotation from slow to fast
		15		<b><u>Gobo Indexing (Fine):</u></b>
			0-255	Fine indexing
				<b><u>Gobo Wheel 2 (Fixed):</u></b>
			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
11	9	16	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
		17		<b><u>Fixed Gobo Indexing Fine</u></b>
			0-255	Fixed gobo Fine indexing
12	10	18		<b><u>Prism / Gobo Macros:</u></b>
			0-31	Open
			32-63	Prism 1 – 3-Facet

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			64-95	Prism 2 – 5-Facet
			96-127	Prism 3 - 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
				<b><u>Prism Indexing/Rotation:</u></b>
			0-127	Prism indexing
			128-189	Clockwise Prism Rotation from fast to slow
			190-193	No rotation
			194-255	Counter-Clockwise Prism Rotation from slow to fast
				<b><u>Rotating Prism indexing Fine</u></b>
			0-255	Fine indexing
				<b><u>Focus:</u></b>
			0-255	Continuous adjustment from near to far
13	11	19		
		20		
14	12	21		

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		22		<b><u>Focus Fine:</u></b>
			0-255	Continuous adjustment Fine
15	13	23		<b><u>Zoom:</u></b>
			0-255	Zoom adjustment from small (16°) to large (41°)
		24		<b><u>Zoom Fine:</u></b>
			0-255	Zoom adjustment Fine
16	14	25		<b><u>Shutter, strobe:</u></b>
			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)
17	15	26		<b><u>Dimmer intensity:</u></b>
			0-255	Intensity 0 to 100%
		27		<b><u>Fine Dimmer intensity:</u></b>
			0-255	Dimmer intensity fine
18	16	28		<b><u>Iris:</u></b>
			0-191	Maximum diameter to minimum diameter
			192-223	Pulse opening fast to slow
			224-255	Pulse closing slow to fast
		29		<b><u>Iris Fine:</u></b>
			0-255	Iris Fine
19	17	30		<b><u>CMY &amp; Color Macro Speed:</u></b>
			0-255	Speed maximum to minimum

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20	18	31		<u>Pan/Tilt Movement Speed:</u>
			0-225	Max to min speed
			226-235	Blackout with movement
			236-245	Blackout when any internal wheel changes position
			246-255	No function
21	19	32		<u>Color macros - CMY and color wheel:</u>
			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	Macro16
			136-143	Macro17
			144-151	Macro18
152-159	Macro19			
160-167	Macro20			

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			168-175	Macro21
			176-183	Macro22
			184-191	Macro23
			192-199	Macro24
			200-207	Macro25
			208-215	Macro26
			216-223	Macro27
			224-231	Macro28
			232-239	Macro29
			240-247	Macro30
			248-255	Random CMY
22	20	33		<u>Lamp on/off, reset, internal programs:</u>
			0-19	Color and gobo change normal
			20-29	Color change to any position
			30-39	Color and gobo change to any position
			40-59	Lamp on via console
			60-79	Lamp switch off via console
			80-84	All motor reset
			85-87	Scan motor reset (pan & tilt)
			88-90	Color motor reset (CMY & Color wheel)
			91-93	Gobo motor reset (All gobo related motors)
			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)

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			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 (Program 1)