

## Colorspot 1200E AT Profile - DMX protocol, ver. 1.1

Mode / Channel		Value	Function	Type of control
1	2			
1	1	0 - 255	<b>Pan</b> Pan movement by 530°	proportional
2	2	0 - 255	<b>Pan Fine</b> Fine control of pan movement	proportional
3	3	0 - 255	<b>Tilt</b> Tilt movement by 280°	proportional
4	4	0 - 255	<b>Tilt fine</b> Fine control of tilt movement	proportional
5	5	0	<b>Pan/Tilt speed , Pan/Tilt time</b> Max. speed (tracking mode)*	step
		1 - 255	<b>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</b> Speed from max. to min. (vector mode)**	proportional
		1 - 255	<b>P./T. time - set Time Mode in menu: Pan/Tilt Mode</b> Time from 0.1 s to 25.5 sec.	proportional
6	6	0 - 9	<b>Power/Special functions</b> Reserved To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 s. („Shutter,Strobe” channel 28 (33) must be at range: 0-31 DMX).***	step
		10 - 19	Autofocus On	step
		20 - 29	Autofocus Off	step
		30 - 49	Reserved	step
		50 - 59	Pan/Tilt speed mode	step
		60 - 69	Pan/Tilt time mode	step
		70 - 79	Blackout while pan/tilt moving	step
		80 - 89	Disabled blackout while pan/tilt moving	step
		90 - 99	Blackout while colour wheel moving	step
		100 - 109	Disabled blackout while colour wheel moving	step
		110 - 119	Blackout while rot. gobo moving	step
		120 - 129	Disabled blackout while rot. gobo moving <i>To activate following functions, stop in DMX value for at least 3 s.</i>	step
		130 - 139	Lamp On,reset(total reset except pan/tilt reset)	step
		140 - 149	Pan/Tilt reset	step
		150 - 159	Colour system reset	step
		160 - 169	Gobo system reset	step
		170 - 179	Dimmer/Strobe reset	step
		180 - 189	Focus/Zoom/Frost reset	step
		190 - 199	Iris/ Framing shutters reset	step
		200 - 209	Total reset	step
210 - 229	Reserved	step		
230 - 239	Lamp Off	step		
240 - 255	Reserved	step		

**Notes:** \* Range 0-255 DMX at max.speed (0 DMX):

pan=4.5 s  
tilt=2.6 s

\*\* Range 0-255 DMX at min. speed (255 DMX):

pan=37min.10 s  
tilt=19 min.34 s

\*\*\* The switch-functions have priority to the equivalent functions in the menu „Personality” but the settings by DMX are not saved to the memory (after switching the fixture on, the settings from the menu „Personality” are loaded to the memory and after that can be changed by DMX values on the channel 6).

### DMX protocol

10 - 19 Autofocus On  
20 - 29 Autofocus Off  
50 - 59 Pan/Tilt speed mode  
60 - 69 Pan/Tilt time mode  
70 - 79 Blackout while pan/tilt moving  
80 - 89 Disabled blackout while pan/tilt moving  
90 - 99 Blackout while colour wheel moving  
100 - 109 Disabled blackout while colour wheel moving  
110 - 119 Blackout while rot. gobo moving  
120 - 129 Disabled blackout while rot. gobo moving

### menu „Personality”

Autofocus -->On  
Autofocus -->Off  
Pan/Tilt mode--->Speed Mode  
Pan/Tilt mode--->Time Mode  
Active blackout While-->Pan/Tilt Moving-->On  
Active blackout While-->Pan/Tilt Moving-->Off  
Active blackout While-->Colour Wheel Moving-->On  
Active blackout While-->Colour Wheel Moving-->Off  
Active blackout While-->Gobo Wheel Moving-->On  
Active blackout While-->Gobo Wheel Moving-->Off

Mode / Channel		Value	Function	Type of control
1	2			
-	7	0 - 9 10 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	<b>Pan/Tilt macro selection</b> Disabled pan/tilt macro Reserved Figure of circle (from small to large) Figure of horizontal eight (from small to large) Figure of vertical eight (from small to large) Figure of rectangle (from small to large) Figure of triangle (from small to large) Figure of star (from small to large) Figure of cross (from small to large)	step step proportional proportional proportional proportional proportional proportional
	8	0 1 - 127 128 - 129 130 - 255	<b>Pan/Tilt macro speed</b> No macro generation Macro generation from fast to slow-forwards No macro generation Macro generation from slow to fast-backwards	step proportional step proportional
7	9	0 18 37 55 73 91 110 128 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 179 180 - 189 190 - 215 216 - 217 218 - 243 244 - 249 250 - 255	<b>Colour wheel</b> Open/white Deep red Deep blue Green Orange 6000 K temperature filter UV filter White Deep red Deep blue Green Orange 6000 K temperature filter UV filter Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast Random colour selection by audio control (Set microphone sensitivity in menu „Personality“) Auto random colour selection from fast to slow	proportional proportional proportional proportional proportional proportional proportional proportional step step step step step step step proportional step proportional step proportional
8	10	0 - 255	<b>Cyan</b> Cyan (0-white, 255-full cyan)	proportional
9	11	0 - 255	<b>Magenta</b> Magenta (0-white, 255-full magenta)	proportional
10	12	0 - 255	<b>Yellow</b> Yellow (0-white, 255-full yellow)	proportional
11	13	0 - 255	<b>Conversion temperature filter 3200K</b> (0-5600K, 255-3200K)	proportional
	14	0 - 3 4 - 7 8 - 11 12 - 15 16 - 19 20 - 23 24 - 27 28 - 31 32 - 35 36 - 39 40 - 43 44 - 47 48 - 51 52 - 55 56 - 59 60 - 63 64 - 67 68 - 71	<b>CMY Colour macros</b> No function Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17	step step step step step step step step step step step step step step step step step step



Mode / Channel		Value	Function	Type of control
1	2			
13	17	34 - 37	<b>Rotation - set rotation on channel 14 (18)</b> Gobo 1	step
		38 - 41	Gobo 2	step
		42 - 45	Gobo 3	step
		46 - 49	Gobo 4	step
		50 - 53	Gobo 5	step
		54 - 57	Gobo 6	step
		58 - 69	<b>Shaking gobos from slow to fast</b> Gobo 1	proportional
		70 - 81	Gobo 2	proportional
		82 - 93	Gobo 3	proportional
		94 - 105	Gobo 4	proportional
106 - 117	Gobo 5	proportional		
118 - 129	Gobo 6	proportional		
		130 - 141	<b>Shaking gobos from slow to fast</b> <b>Rotation - set rotation on channel 14 (18)</b> Gobo 1	proportional
		142 - 153	Gobo 2	proportional
		154 - 165	Gobo 3	proportional
		166 - 177	Gobo 4	proportional
		178 - 189	Gobo 5	proportional
		190 - 201	Gobo 6	proportional
		202 - 221	Forwards gobo wheel 1 rotation from fast to slow	proportional
		222 - 223	No rotation	proportional
		224 - 243	Backwards gobo wheel 1 rotation from slow to fast	proportional
		244 - 249	Random gobo 1 selection by audio control (Set microphone sensitivity in menu „Personality“)	step
250 - 255	Auto random gobo 1 selection from fast to slow	proportional		
14	18	0 - 255	<b>Gobo indexing and rotation</b> <b>Gobo indexing - set position on channel 13 (17)</b> Gobo indexing	proportional
		0	<b>Gobo rotation - set position on channel 13 (17)</b> No rotation	step
		1 - 127	Forwards gobo rotation from fast to slow	proportional
		128 - 129	No rotation	step
		130 - 255	Backwards gobo rotation from slow to fast	proportional
	19	0 - 255	<b>Gobo fine indexing and rotation (set position on channel 13 (17))</b> Fine indexing (rotating)	proportional
15	20	0	<b>Frost</b> Open	step
		1 - 179	Frost from 0% to 100%	proportional
		180 - 189	100% frost	proportional
		190 - 211	Pulse closing from slow to fast	proportional
		212 - 233	Pulse opening from fast to slow	proportional
234 - 255	Ramping from fast to slow	proportional		
16	21	0	<b>Iris</b> Open	step
		1 - 179	From max. diameter to min. diameter	proportional
		180 - 191	Closed	step
		192 - 203	<b>Pulse effects with Iris blackout</b> Pulse opening from slow to fast	proportional
		204 - 215	Pulse closing from fast to slow	proportional
		216 - 217	Random pulse opening (fast)	step
		218 - 219	Random pulse opening (slow)	step
		220 - 221	Random pulse closing (fast)	step
		222 - 223	Random pulse closing (slow)	step
		224 - 239	<b>Pulse effects with Iris blackout and zoom</b> Pulse opening from slow to fast	proportional
240 - 255	Pulse closing from fast to slow	proportional		

Mode / Channel		Value	Function	Type of control
1	2			
17	22	0 - 255	<b>Zoom</b> Zoom from max. to min. image	proportional
18	23	0 - 255	<b>Focus</b> Continuous adjustment from far to near	proportional
19	24	0 - 127 128 129 - 255	<b>Framing shutters rotation</b> Rotation from left to center Center Rotation from center to right	proportional step proportional
20	25	0 - 255	<b>Framing shutter 1- movent</b> Movement from Outward to Inward	proportional
21	26	0 - 127 128 129 - 255	<b>Framing shutter 1- swivelling</b> Swivelling from -25 degrees towards 0 degrees 0 degrees (parallel) Swivelling from 0 degrees to +25 degrees	proportional step proportional
22	27	0 - 255	<b>Framing shutter 2 - movent</b> Movement from Outward to Inward	proportional
23	28	0 - 127 128 129 - 255	<b>Framing shutter 2 - swivelling</b> Swivelling from -25 degrees towards 0 degrees 0 degrees (parallel) Swivelling from 0 degrees to +25 degrees	proportional step proportional
24	29	0 - 255	<b>Framing shutter 3 - movement</b> Movement from Outward to Inward	proportional
25	30	0 - 127 128 129 - 255	<b>Framing shutter 3 - swivelling</b> Swivelling from -25 degrees towards 0 degrees 0 degrees (parallel) Swivelling from 0 degrees to +25 degrees	proportional step proportional
26	31	0 - 255	<b>Framing shutter 4 - movent</b> Movement from outward to inward	proportional
27	32	0 - 127 128 129 - 255	<b>Framing shutter 4 - swivelling</b> Swivelling from -25 degrees towards 0 degrees 0 degrees (parallel) Swivelling from 0 degrees to +25 degrees	proportional step proportional
28	33	0 - 31 32 - 63 64 - 95 96 - 127 128 - 143 144 - 159 160 - 191  192 - 223 224 - 255	<b>Shutter, strobe</b> Shutter closed, Lamp power reduced after 10 sec. to 700W Shutter open, Full lamp power Strobe-effect from slow to fast (max.15 flashes/s) Shutter open, Lamp power reduced to 700 W Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow Shutter open, Electronic strobing „ZAP“ from slow to fast (from 7 to 33 flashes/s) Random strobe-effect from slow to fast Shutter open, Full lamp power	step step proportional step proportional proportional proportional  proportional step
29	34	0 - 255	<b>Dimmer intensity</b> Dimmer intensity from 0% to 100% (In range 0-3 DMX, lamp power reduced to700 W after 10 s.)	proportional
	35	0 - 255	<b>Dimmer intensity fine</b> Fine intensity adjusting	proportional