

Colorspot 575E AT- DMX Protocol-version 1.0

Mode/Channel				Value	Function	Type of control
1	2	3	4			
1	1	1	1	0-255	Pan Pan movement by 530°	proportional
2	2	2	2	0-255	Pan fine Fine control of pan movement	proportional
3	3	3	3	0-255	Tilt Tilt movement by 280°	proportional
4	4	4	4	0-255	Tilt fine Fine control of tilt movement	proportional
5	5	5	5	0	Pan/Tilt speed , Pan/Tilt time Max.speed (tracking mode)	step
				1-255	<i>P./T. speed- set Speed Mode in menu: P.t.Mo.</i> Speed from max. to min. (vector mode)	proportional
				1-255	<i>P./T. time - set Time Mode in menu: P.t.Mo.</i> Time from 0.1s to 25.5s. *	proportional
6	6	6	6	0-49	Power/Special functions Reserved	step
					<i>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 25(18,27,20) must be at range:0-31 DMX). **</i>	
				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 wheels moving	step
				100-109	Disabled blackout while colours wheel moving	step
				110-119	Blackout while gobo wheels moving	step
				120-129	Disabled blackout while gobo wheels moving	step
					<i>To activate following functions, stop in DMX value for at least 3 s.</i>	
				130-139	Lamp On,reset(total reset except pan/tilt reset)	step
				140-149	Pan/Tilt reset	step
150-159	Colour wheels reset	step				
160-169	Gobo wheels reset	step				
170-179	Dimmer/Strobe reset	step				
180-189	Focus/Zoom/Frost reset	step				
190-199	Iris/Prism reset	step				
200-209	Total reset	step				
210-229	Reserved	step				
230-239	Lamp Off	step				
240-255	Reserved	step				
		7	7	0-9	Pan/Tilt macro selection Disabled pan/tilt macro	step
				10-31	Reserved	step
				32-63	Figure of circle (from small to large)	proportional
				64-95	Figure of horizontal eight (from small to large)	proportional
				96-127	Figure of vertical eight (from small to large)	proportional
				128-159	Figure of rectangle (from small to large)	proportional
				160-191	Figure of triangle (from small to large)	proportional
				192-223	Figure of five-pointed star (from small to large)	proportional
				224-255	Figure of cross (from small to large)	proportional

Mode/Channel				Value	Function	Type of control
1	2	3	4			
				244-249	Random gobo selection by audio control (Set microphone sensitivity in menu "Personality")	step
				250-255	Auto random gobo selection from fast to slow	proportional
12		14		0-255	Fine static gobo positioning Fine positioning	proportional
13	10	15	12	0-3	Rotating gobo wheel <u>Index - set indexing on channel 14 (11/16/13)</u> Open/hole	step
				4-7	Gobo 1 (15030017)	step
				8-11	Gobo 2 (15040011)	step
				12-15	Gobo 3 (15020149)	step
				16-19	Gobo 4 (15020150)	step
				20-23	Gobo 5 (15020151)	step
				24-27	Gobo 6 (15020152)	step
				28-31	Gobo 7 (15020153)	step
					<u>Rotation - set rotation on channel 14 (11/16/13)</u>	
				32-35	Gobo 1	step
				36-39	Gobo 2	step
				40-43	Gobo 3	step
				44-47	Gobo 4	step
				48-51	Gobo 5	step
				52-55	Gobo 6	step
				56-59	Gobo 7	step
					<u>Shaking gobos from slow to fast</u>	
					<u>Index - set indexing on channel 14 (11/16/13)</u>	
				60-69	Gobo 1	proportional
				70-79	Gobo 2	proportional
				80-89	Gobo 3	proportional
				90-99	Gobo 4	proportional
				100-109	Gobo 5	proportional
				110-119	Gobo 6	proportional
				120-129	Gobo 7	proportional
					<u>Shaking gobos from slow to fast</u>	
					<u>Rotation - set rotation on channel 14 (11/16/13)</u>	
				130-139	Gobo 1	proportional
				140-149	Gobo 2	proportional
				150-159	Gobo 3	proportional
				160-169	Gobo 4	proportional
				170-179	Gobo 5	proportional
				180-189	Gobo 6	proportional
				190-199	Gobo 7	proportional
				200-201	Open/hole	step
				202-221	Forwards gobo wheel rotation from fast to slow	proportional
				222-223	No rotation	
				224-243	Backwards gobo wheel rotation from slow to fast	proportional
				244-249	Random gobo selection by audio control (Set microphone sensitivity in menu "Personality")	step
				250-255	Auto random gobo selection from fast to slow	proportional
14	11	16	13	0-255	Gobo indexing and rotation <u>Gobo indexing</u> Gobo indexing	proportional
				0	<u>Gobo rotation</u> 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

Mode/Channel				Value	Function	Type of control
1	2	3	4			
15		17		0-255	Gobo fine indexing Fine indexing	proportional
16	12	18	14	0-19 20-127 128-255 128-135 136-143 144-151 152-159 160-167 168-175 176-183 184-191 192-199 200-207 208-215 216-223 224-231 232-239 240-247 248-255	Prism Open position (hole) 3-facet rotating prism Prism/gobo macros 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	step step step step step step step step step step step step step step step step step
17	13	19	15	0 1-127 128-129 130-255	Prism rotation No rotation Forwards rotation from fast to slow No rotation Backwards rotation from slow to fast	step proportional step proportional
18	14	20	16	0 1-179 180-189 190-211 212-233 234-255	Frost Open Frost from 0% to 100% 100% frost Pulse closing from slow to fast Pulse opening from fast to slow Ramping from fast to slow	step proportional proportional proportional proportional proportional
19		21		0-255	Frost fine Fine frost	proportional
20	15	22	17	0 1-179 180-191 192-219 220-247 248-249 250-251 252-253 254-255	Iris Open From max.diameter to min.diameter Closed Pulse effects with Iris blackout Pulse opening from slow to fast Pulse closing from fast to slow Random pulse opening (fast) Random pulse opening (slow) Random pulse closing (fast) Random pulse closing (slow)	step proportional step proportional proportional step step step step
21		23		0-255	Iris fine Iris fine	proportional

Mode/Channel				Value	Function	Type of control
1	2	3	4			
22	16	24	18	0-39 40-79 80-127 128-169 170-219 220-255	Zoom <i>Zoom without focus corection</i> Zoom 15° Zoom 18° Zoom 22° <i>Zoom with focus corection ***</i> Zoom 15° Zoom 18° Zoom 22°	step step step step step step
23	17	25	19	0-255	Focus Coarse focus	proportional
24		26		0-255	Focus fine Fine focus adjustment	
25	18	27	20	0-31 32-63 64-95 96-127 128-143 144-159 160-191 192-223 224-255	Shutter,Strobe Shutter closed,Lamp power reduced after 10s to 400W Shutter open ,Full lamp power Strobe-effect from slow to fast(max.15 flashes/s) Shutter open,Lamp power reduced to 400 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
26	19	28	21	0-255	Dimmer Dimmer intensity from 0% to 100%, (In range 0-9 DMX,lamp power reduced to 400 W after 10 s)	proportional
27		29		0-255	Dimmer fine Dimmer intensity fine	proportional

* Short times are not used for long tracks(e.g. 0.5s for track 0-255 DMX).Times are restricted by mechanical parameters of the fixture.

** The switch-functions have priority to the equivalent functions in menu "Personality"but the setting by DMX is not saved to the memory(after switching the fixture on,the setting from menu "Personality" is loaded and after that can by changed with DMX value on the channel 6).

DMX protocol	menu "Personality"
50-59 Pan/Tilt speed mode	Pan/Tilt mode—>Speed Mode
60-69 Pan/Tilt time mode	Pan/Tilt mode—>Time Mode
70-79 Blackout while pan/tilt moving	Active blackout While—>Pan/Tilt Moving—>On
80-89 Disabled blackout while pan/tilt moving	Active blackout While—>Pan/Tilt Moving—>Off
90-99 Blackout while colour wheels moving	Active blackout While—>Colour Wheels Moving—>On
100-109 Disabled blackout while col. wheels mov.	Active blackout While—>Colour Wheels Moving—>Off
110-119 Blackout while gobo wheels moving	Active blackout While—>Gobo Wheels Moving—>On
120-129 Disabled blackout while gobo wheels moving	Active blackout While—>Gobo Wheels Moving—>Off

*** The function improves the image on the wall if the zoom changes(its effect is the best for gobos from rot. gobo wheel and for distance = 6 m)