

Colorspot 575 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	<u>P./T. speed</u> - set Speed Mode in menu: P.t.Mo. Speed from max. to min. (vector mode)	proportional
				1-255	<u>P./T. time</u> - set Time Mode in menu: P.t.Mo. 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			
				130-136 137-144 145-151 152-159 160-166 167-174 175-181 182-189 190-215 216-217 218-243 244-249 250-255	<u>Positioning</u> Deep red Deep blue Pink Cyan Magenta Yellow 3200K correction 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	step step step step step step step step proportional step proportional step proportional
10		12		0-255	Colour wheel 2-fine positioning Fine positioning	proportional
11	9	13	11	0 7 13 19 26 32 39 45 51 58 64 65-69 70-74 75-79 80-84 85-89 90-94 95-99 100-104 105-109 110-119 120-129 130-139 140-149 150-159 160-169 170-179 180-189 190-199 200-201 202-221 222-223 224-243	Static gobo wheel <u>Continual Positioning</u> <i>In range 0-64 DMX is possible fine gobo positioning- set value on channel 12(14)</i> Open/hole Gobo 1 (15010608) Gobo 2 (15010609) Gobo 3 (15010700) Gobo 4 (15010701) Gobo 5 (15010702) Gobo 6 (15010703) Gobo 7 (15010704) Gobo 8 (15010705) Gobo 9 (15010706) Open/hole <u>Positioning</u> Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 <u>Shaking gobos from slow to fast</u> Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Open/hole Forwards gobo wheel rotation from fast to slow No rotation Backwards gobo wheel rotation from slow to fast	proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional step step step step step step step step step proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional 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 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 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-139 140-149 150-159 160-169 170-179 180-189 190-199 200-201 202-221 222-223 224-243 244-249 250-255	Rotating gobo wheel <u>Index</u> - set indexing on channel 14 (11/16/13) Open/hole Gobo 1 (15030017) Gobo 2 (15040011) Gobo 3 (15020149) Gobo 4 (15020150) Gobo 5 (15020151) Gobo 6 (15020152) Gobo 7 (15020153) <u>Rotation</u> - set rotation on channel 14 (11/16/13) Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 <u>Shaking gobos from slow to fast</u> <u>Index</u> - set indexing on channel 14 (11/16/13) Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 <u>Shaking gobos from slow to fast</u> <u>Rotation</u> - set rotation on channel 14 (11/16/13) Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Open/hole Forwards gobo wheel rotation from fast to slow No rotation Backwards gobo wheel rotation from slow to fast Random gobo selection by audio control (Set microphone sensitivity in menu "Personality") Auto random gobo selection from fast to slow	step step step step step step step step step step step step step step step proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional proportional step proportional proportional step proportional proportional
14	11	16	13	0-255 0 1-127 128-129 130-255	Gobo indexing and rotation <u>Gobo indexing</u> -set position on channel Gobo indexing <u>Gobo rotation</u> -set position on channel No rotation Forwards gobo rotation from fast to slow No rotation Backwards gobo rotation from slow to fast	proportional step proportional step 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 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 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 No function (shutter open) Strobe-effect from slow to fast No function (shutter open) Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow No function (shutter open) Random strobe-effect from slow to fast No function (shutter open)	step step proportional step proportional proportional step proportional step
26	19	28	21	0-255	Dimmer Coarse gradual adjustment of the dimmer intensity from 0 to 100%	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 be changed with DMX value on the channel 6).

<u>DMX protocol</u>	<u>menu "PerS"</u>
50-59 Pan/Tilt speed mode	P.t.Mo.--->SP.Mo.
60-69 Pan/Tilt time mode	P.t.Mo.--->ti.Mo.
70-79 Blackout while pan/tilt moving	A.blc.-->P.t.M.-->On
80-89 Disabled blackout while pan/tilt moving	A.blc.-->P.t.M.-->Off
90-99 Blackout while colour wheels moving	A.blc.-->Col.M.-->On
100-109 Disabled blackout while colour wheels moving	A.blc.-->Col.M.-->Off
110-119 Blackout while gobo wheels moving	A.blc.-->Gob.M.-->On
120-129 Disabled blackout while gobo wheels moving	A.blc.-->Gob.M.-->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)