

ColorWash 575 AT/ColorWash 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	<u>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</u> Speed from max. to min. (vector mode)	proportional
				1 - 255	<u>P./T. time - set Time Mode in menu: Pan/Tilt Mode</u> Time from 0,1 s to 25,5 s. *	proportional
6	6	6	6	0 - 49	Power/Special functions Reserved <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 20 (17,22,19) must be at range: 0-31 DMX). **</i>	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 - 129	Reserved <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	Reserved	step
				170 - 179	Dimmer/Strobe reset	step
				180 - 189	Zoom/effect wheel reset	step
				190 - 199	Reserved	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 star (from small to large)	proportional
				224 - 255	Figure of cross (from small to large)	proportional
		8	8	0	Pan/Tilt macro speed <i>(Set pan/tilt speed (channel 5) to 0)</i> No macro generation	step
				1 - 127	Macro generation from fast to slow-forwards	proportional
				128 - 129	No macro generation	step
				130 - 255	Macro generation from slow to fast-backwards	proportional

Mode/Channel				Value	Function	Type of control
1	2	3	4			
7	7	9	9		Colour wheel	
					<u>Continual positioning</u>	
				0	Open/white	proportional
				21	Deep red	proportional
				43	Deep blue	proportional
				64	Green	proportional
				85	6000K correction filter	proportional
				107	UV filter	proportional
				128-129	White	proportional
					<u>Positioning</u>	
				130-141	Deep red	step
				142-153	Deep blue	step
				154-165	Green	step
				166-177	6000K correction filter	step
				178-189	UV filter	step
				190 - 215	Forwards rainbow effect from fast to slow	proportional
				216 - 217	No rotation	step
				218 - 243	Backwards rainbow effect from slow to fast	proportional
				244 - 249	Random colour selection by audio control (Set microphone sensitivity in menu „Personality“)	step
				250 - 255	Auto random colour selection from fast to slow	proportional
8		10		0 - 255	Colour wheel - fine positioning Fine positioning	proportional
9	8	11	10	0 - 255	Cyan Cyan (0-white, 255-full cyan)	proportional
10	9	12	11	0 - 255	Magenta Magenta (0-white, 255-full magenta)	proportional
11	10	13	12	0 - 255	Yellow Yellow (0-white, 255-full yellow)	proportional
12	11	14	13	0 - 255	Conversion temperature filter 3200K (0-7200K, 255-3200K)	proportional
13	12	15	14	0 - 255	Speed of CMY and conv.temp. filter Speed from max. (0) to min.(255)	proportional
14	13	16	15		CMY colour macros	
				0 - 7	No function	step
				8 - 15	Macro 1	step
				16 -23	Macro 2	step
				24-31	Macro 3	step
				32-39	Macro 4	step
				40-47	Macro 5	step
				48-55	Macro 6	step
				56-63	Macro 7	step
				64-71	Macro 8	step
				72-79	Macro 9	step
				80-87	Macro 10	step
				88-95	Macro 11	step
				96-103	Macro 12	step
				104-111	Macro 13	step
				112-119	Macro 14	step
				120-127	Macro 15	step
				128-135	Macro 16	step
				136-143	Macro 17	step
				144-151	Macro 18	step
				152-159	Macro 19	step
				160-167	Macro 20	step
				168-175	Macro 21	step
				176-183	Macro 22	step

Mode/Channel				Value	Function	Type of control
1	2	3	4			
14	13	16	15	184-191 192-199 200 - 207 208 - 215 216 - 223 224 - 231 232 - 239 240 - 243 244 - 249 250 - 255	Macro 23 Macro 24 Macro 25 Macro 26 Macro 27 Macro 28 Macro 29 Macro 30-Random rainbow effect from fast to slow Random macro selection by audio control (Set microphone sensitivity in menu "PErS") Auto random macro selection from fast to slow	step step step step step step step proportional step proportional
15	14	17	16	0-70 71-127 128-199 200-255	Effect wheel Full beam Beam shaper-Indexing Beam shaper-Rotation Frost filter	step step step step
16	15	18	17	0 - 255 0 1 - 127 128 - 129 130 - 255	Beam shaper indexing and rotation <u>Shaper indexing</u> - set position on channel15 (14,17,16) Beam shaper indexing <u>Shaper rotation</u> - set position on channel15 (14,17,16) No rotation Forwards shaper rotation from fast to slow No rotation Backwards shaper rotation from slow to fast	proportional step proportional step proportional
17		19		0 - 255	Beam shaper fine indexing and rotation (set position on channel 16 (15,18,17)) Fine indexing (rotating)	propotional
18	16	20	18	0 - 255	Zoom Coarse zoom from min. to max. beam angle	proportional
19		21		0 - 255	Zoom fine Fine zoom movement	proportional
20	17	22	19	0 - 31 32 - 63 64 - 95 96 - 127 128 - 143 144 - 159 160 - 191 192 - 223 224 - 255	Shutter, strobe Shutter closed, <u>Lamp power reduced after 10 s to 400W</u> Shutter open, <u>Full lamp power</u> Strobe-effect from slow to fast (max.15 ashes/s) Shutter open, <u>Lamp power reduced to 400 W</u> Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow Shutter open, <u>Electronic strobing „ZAP“ from slow to fast</u> (from 7 to 33 ashes/s) Random strobe-effect from slow to fast Shutter open, <u>Full lamp power</u> Note: <u>underlined characters</u> - ColorWash 575E AT only	step step proportional step proportional proportional proportional proportional step
21	18	23	20	0 255	Dimmer intensity Dimmer intensity from 0% to 100% (In range 0-8 DMX, lamp power reduced to 400 W after 10 s - ColorWash 575E AT only)	proportional
22		24		0 - 255	Fine dimmer intensity Dimmer intensity fine	proportional