

## ColorWash 750 AT Tungsten - DMX Protocol-version 1.4

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
1	1	1	1	14	0 - 255	<b>Pan</b> Pan movement by 530°	proportional
2	2	2	2	15	0 - 255	<b>Pan Fine</b> Fine control of pan movement	proportional
3	3	3	3	16	0 - 255	<b>Tilt</b> Tilt movement by 280°	proportional
4	4	4	4	17	0 - 255	<b>Tilt fine</b> Fine control of tilt movement	proportional
5	5	5	5	18	0	<b>Pan/Tilt speed , Pan/Tilt time</b> Max. speed (tracking mode)	step
					1 - 255	<b><i>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</i></b> Speed from max. to min. (vector mode)	proportional
					1 - 255	<b><i>P./T. time - set Time Mode in menu: Pan/Tilt Mode</i></b> Time from 0.1 s to 25.5 s.	proportional
6	6	6	6	20	0 - 49	<b>Power/Special functions</b> 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 18 (16,20) must be at range: 0-31 DMX. Corresponding menu items are temporarily overridden).</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 - 139	Reserved <i>To activate following functions, stop in DMX value for at least 3 s.</i>	
					140 - 149	Pan/Tilt reset	step
					150 - 159	Colour system reset	step
					160 - 169	Reserved	
					170 - 179	Dimmer/Strobe reset	step
					180 - 189	Zoom/effect wheel reset	step
					190 - 199	Reserved	
					200 - 209	Total reset	step
210 - 255	Reserved						
-	-	7	7	-	0 - 9	<b>Pan/Tilt macro selection</b> 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	<b>Pan/Tilt macro speed</b> <i>(Set pan/tilt speed (channel 5) at 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	5			
7	7	9	9	6	0-255	<b>Cyan</b> Cyan (0-white, 255-full cyan)	proportional
8	8	10	10	8	0-255	<b>Magenta</b> Magenta (0-white, 255-full magenta)	proportional
9	9	11	11	10	0 - 255	<b>Yellow</b> Yellow (0-white, 255-full yellow)	proportional
10	10	12	12	-	0 - 255	<b>Colour temperature correction filter</b> (0-3300 K, 255-8000 K)	proportional
11	11	13	13	19	0 - 255	<b>Speed of CMY and conv.temp. filter</b> Speed from max. (0) to min.(255)	proportional
12	12	14	14	-	0 - 7	<b>CMY colour macros</b> 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
					184-191	Macro 23	step
					192-199	Macro 24	step
200 - 207	Macro 25	step					
208 - 215	Macro 26	step					
216 - 223	Macro 27	step					
224 - 231	Macro 28	step					
232 - 239	Macro 29	step					
240 - 243	Macro 30 - Random rainbow effect from fast to slow	proportional					
244 - 249	Random macro selection by audio control (Set microphone sensitivity in menu "Personality")	step					
250 - 255	Auto random macro selection from fast to slow	proportiona					
13	13	15	15	-	0-19	<b>Effect wheel</b> Full beam	step
					20-127	Beam shaper-Indexing ( Min.zoom automatically)	step
					128-255	Beam shaper-Rotation ( Min.zoom automatically)	step
14	14	16	16	-	0 - 255	<b>Beam shaper indexing and rotation</b> <b>Shaper indexing</b> - set position on channel13 (15) Beam shaper indexing	proportional
					0	<b>Shaper rotation</b> - set position on channel13 (15) No rotation	step
					1 - 127	Forwards shaper rotation from fast to slow	proportional
					128 - 129	No rotation	step
					130 - 255	Backwards shaper rotation from slow to fast	proportiona

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
15	-	17	-	-	0-255	<b>Beam shaper fine indexing</b> (set position on channel 14 (16) Fine indexing	proportiona
16	15	18	17	12	0 - 255	<b>Zoom</b> Coarse zoom from min. to max.beam angle	proportional
17	-	19	-	13	0 - 255	<b>Zoom fine</b> Fine zoom movement	proportional
18	16	20	18	1	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 to 370 W (after 10 s *) Shutter open Strobe-effect from slow to fast (max.15 ashes/s) Shutter open Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow Shutter open Random strobe-effect from slow to fast Shutter open	step step proportional step proportional proportional step proportional step
19	17	21	19	4	0 - 255	<b>Mechanical dimmer</b> Dimmer intensity from 0% to 100% (In range of 0-3 DMX,lamp power reduced to 370W)	proportional
20	-	22	-	5	0 - 255	<b>Mechanical dimmer fine</b> Dimmer intensity fine	proportional
21	18	23	20	2	0 - 255	<b>Electronic dimmer</b> Dimmer intensity from 0% to 100%	proportional
-	-	-	-	3		<b>No function</b>	
-	-	-	-	6		<b>No function</b>	
-	-	-	-	7		<b>No function</b>	
-	-	-	-	9		<b>No function</b>	
-	-	-	-	11		<b>No function</b>	

\* 10s=default time delay,this value can be changed by "Lamp Low Power Delay" menu