

4 DMX Channel Selection (DMX Protocol)

Channel	Function	Time and Value	DMX	HEX	%
1) PAN-coarse	0 .. 530°	min. 2,65 s	0..255	00..FF	0..100
2) PAN-fine	Low- Pos ... High- Pos + 2,1° (16 Bit)		0..255	00..FF	0..100
3) Tilt-coarse	0 .. 285°	min. 1,8 s	0..255	00..FF	0..100
4) Tilt-fine	Low- Pos ... High- Pos + 1,1° (16 Bit)		0..255	00..FF	0..100
5) Color*	open (fast)	Chaser from color to color max. 140 BPM ‡ 0,43 s	0..3	00..03	0,2
	color 1, Brilliant Blue (fast)		4..7	04..07	1,8
	color 2, Blue (fast)		8..11	08..0B	3,3
	color 3, Blue Purple (fast)		12..15	0C..0F	4,9
	color 4, Pink (fast)		16..19	10..13	6,5
	color 5, Orange (fast)		20..23	14..17	8,0
	color 6, Italian Blue (fast)		24..27	18..1B	9,6
	color 7, Turquoise (fast)		28..31	1C..1F	11,2
	color 8, Jade (fast)		32..35	20..23	12,7
	color 9, CTB 001 (fast)		36..39	24..27	14,3
	color 10, CTO 02 (fast)		40..43	28..2B	15,9
	color 11, Red (fast)		44..47	2C..2F	17,5
	open (fast)	Chaser from color to color max. 70 BPM ‡ 0,86 s	48..63	30..3F	19,0
	open (slow)		64..67	40..43	25,3
	color 1, Brilliant Blue (slow)		68..71	44..47	26,9
	color 2, Blue (slow)		72..75	48..4B	28,4
	color 3, Blue Purple (slow)		76..79	4C..4F	30,0
	color 4, Pink (slow)		80..83	50..53	31,6
	color 5, Orange (slow)		84..87	54..57	33,1
	color 6, Italian Blue (slow)		88..91	58..5B	34,7
	color 7, Turquoise (slow)		92..95	5C..5F	36,3
	color 8, Jade (slow)		96..99	60..63	37,8
	color 9, CTB 001 (slow)		100..103	64..67	39,4
	color 10, CTO 02 (slow)		104..107	68..6B	41,0
	color 11, Red (slow)		108..111	6C..6F	42,5
	open (slow)	min. 1.4 turns/h	112..127	70..7F	44,1
	color rotation, slow-fast, CW		128..191	80..BF	50..75
	color rotation, fast-slow, CCW		192..253	C0..FD	76..98
	Audio color chaser slow		254	FE	99
	Audio color chaser fast		255	FF	100
6) Cyan	Cyan color intensity 0% - 100%		0..255	00..FF	0..100
7) Magenta	Magenta color intensity 0% - 100%		0..255	00..FF	0..100
8) Yellow	Yellow color intensity 0% - 100%		0..255	00..FF	0..100
9) Shutter	Shutter closed		0..15	00..0F	0..6
	Random Strobe (different pattern)		16..31	10..1F	7..11,9
	Strobe Pulse effect , slow - fast	min. frequency 0,7 Hz	32..47	20..2F	12..12,9
	Strobe effect , slow - fast	max. frequency 10 Hz	48..239	30..EF	13..93

Channel	Function		Time and Value	DMX	HEX	%
	Shutter open			240..25 5	F0..FF	94..100
	Lamp ON (ignition)			254..25 5	FE..FF	99..100
10) Dimmer	Dimmer closed (0%)			0..3	0..3	0..1
	Dimmer 1%...99%		movement time 0,3 Sek.	4..251	4..FB	2..98
	Dimmer open (100%)			252..25 5	FC..FF	99..100
11) Beam- shape	Open			0..15	0..0F	0..5
	Shaper			16..239	10..EF	6..94
	Frost			240..25 5	F0..FF	95..100
12) Zoom	Zoom 0% - 100%		8° - 22°	0..255	00..FF	0..100
13) Special	No function			0..15	00..0F	0..6
	Audio CMY chaser slow			16..23	10..17	7..9
	Audio CMY chaser fast			24..31	18..1F	10..12
	Rotating color chaser			32..63	20..3F	13..24
	Color chaser C / C+1 slow – fast			64..79	40..4F	25..31
	Color chaser C / C+2 slow – fast			80..95	50..5F	32..37
	PAN/Tilt chaser slow			96..111	60..6F	38..43
	PAN/Tilt chaser fast			112..12 7	70..7F	44..50
	Lamp OFF (only if shutter is closed)!			230..24 9	E6..F9	92..97
	Reset			250..25 5	FA..FF	98..100
14) Move- ment	No movement			0	00	0
	Movement	Size	Phase			
	PAN	1	0°	01..01	01..01	0,5
		1	90°	02..03	02..03	1,0
		1	180°	04..05	04..05	1,7
		1	270°	06..07	06..07	2,5
	PAN	2	0°	08..09	08..09	3,3
		2	90°	10..11	0A..0B	4,1
		2	180°	12..13	0C..0D	4,9
		2	270°	14..15	0E..0F	5,7
	PAN	3	0°	16..17	11..11	6,5
		3	90°	18..19	12..13	7,3
		3	180°	20..21	14..15	8,0
		3	270°	22..23	16..17	8,8
	PAN	4	0°	24..25	18..19	9,6
		4	90°	26..27	1A..1B	10,4
		4	180°	28..29	1C..1D	11,2
		4	270°	30..31	1E..1F	12
	TILT	size / phase see also PAN		32..63	20..3F	13..25
	PAN / TILT	size / phase see also PAN		64..95	40..5F	26..37
	PAN / TILT (inverse)	size / phase see also PAN		96..127	60..7F	38..50
	Circle	size / phase see also PAN		128..15 9	80..9F	51..62
	Circle (inverse)	size / phase see also PAN		160..19 1	A0..BF	63..75

Channel	Function	Time and Value	DMX	HEX	%
	lying eight size / phase see also PAN		192..22 3	C0..DF	76..87
	random movement size see also PAN		224..25 5	E0..FF	88..100
15) Speed Pan/Tilt	Pan/Tilt relative movement		0..01	00..01	0..1
	Pan/Tilt slow – fast Use this channel 14) also for the speed of the movements (channel 13).	Pan Min. 530° = 200 s Pan Max. 530° = 2.65 s Tilt Min. 285° = 110 s Tilt Max. 285° = 1.8 s	02..255	02..FF	2..100

Lampe ON	Shutter open		254..25 5	FE..FF	99..100
Lampe OFF	Channel 9 (min. 3 sec.) (only if shutter is closed, channel 9 = 0 ..15)		230..24 9	E6..F9	92..97

*) Set the function “FCOL” ‘ON’ if you want to control the color wheel continuously.

5 Change the Lamp

For a frictionless operation please read this chapter carefully and follow all instructions.

5.1 Safety Regulations

- **Pull out the main plug!**
- Wait min. 20 minutes after the last operation to cool down the fixture.
- Don't touch the bulb of the lamp with bare fingers (this can cause damages).
- Before you put the **POWER WASH 575E** into operation close the casing, otherwise your retina can be hurt!

5.2 Realize the Lamp Change

1. **Pull out the main plug!**
2. The lamp can be changed in a very comfortable way directly from the backside of the case without opening the head.
3. Open the four recessed head screws (1, 2, 3 and 4) of the backside lamp sheet and remove it carefully.
4. Remove the old or broken lamp by opening the two sidewise lamp screws.
Attention: The glass bulb of the lamp can splinter. For that reason remove the lamp with safety gloves or some cloth.
5. Put in the new lamp securely with a tight fit into the socket and close the two