

MOVING HEAD HURACAN WASH :

DMX channel's functions and their values (61 DMX channels):

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<u>PAN Movement 8bit :</u>
			0-255	Pan Movement
2		2		<u>Pan Fine 16bit</u>
			0-255	Fine control of Pan movement
3	2	3		<u>TILT Movement 8bit :</u>
			0-255	Tilt Movement
4		4		<u>Tilt Fine 16bit</u>
			0-255	Fine control of Tilt movement
5	3	5		<u>Speed Pan/Tilt movement:</u>
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
6	4	6	246-255	no function
				<u>Shutter, strobe:</u>
			0-10	Shutter closed
			11-20	No function (shutter open)
			21-117	Strobe effect slow to fast
			118-126	No function (shutter open)
			127-180	Pulse-effect in sequences
			181-191	No function (shutter open)
192-245	Random strobe effect slow to fast			
7	5	7	246-255	No function (shutter open)
				<u>Dimmer intensity:</u>
		8	0-255	Intensity 0 to 100%
		8		<u>Fine Dimmer intensity:</u>
		8	0-255	Dimmer intensity fine
8	6	9		<u>Zoom :</u>
			0-255	Zoom adjustment from small to big
		10		<u>Zoom Fine:</u>
		10	0-255	Zoom adjustment Fine
9	7	11		<u>Focus :</u>
			0-255	Continuous adjustment from near to far
		12		<u>Focus Fine:</u>
		12	0-255	Continuous adjustment Fine
10	8	13		<u>Auto Focus :</u>
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
		13	201-255	15m
11	9	14		<u>AutoFocus Fine:</u>
			0-255	Continuous adjustment Fine
				<u>Color Wheel:</u>

12	10	15	0-3	Open / white
			4-7	Color 1
			8-11	Color 2
			12-15	Color 3
			16-19	Color 4
			20-23	Color 5
			24-27	Color 6
			28-127	Color indexing
			128-189	Backwards rainbow effect from fast to slow
			190-193	No rotation
			194-255	Forwards rainbow effect from slow to fast
		16		<u>Color Wheel Fine:</u>
			0-255	Color Wheel colour change to any position Fine
13	11	17		<u>Cyan Color :</u>
			0-255	Cyan (0-white, 255-100% Cyan)
		18		<u>Cyan Color Fine :</u>
			0-255	Cyan Fine
14	12	19		<u>Magenta Color :</u>
			0-255	Magenta (0-white, 255-100% magenta)
		20		<u>Magenta Color Fine :</u>
			0-255	Magenta Fine
15	13	21		<u>Yellow Color :</u>
			0-255	Yellow (0-white, 255-100% Yellow)
		22		<u>Yellow Color Fine :</u>
			0-255	Yellow Fine
16	14	23		<u>CTO Color :</u>
			0-255	CTO (0-white, 255-100% CTO)
		24		<u>CTO Color Fine :</u>
			0-255	CTO Fine
17	15	25		<u>CTB Color :</u>
			0-255	CTB (0-white, 255-100% CTO)
		26		<u>CTB Color Fine :</u>
			0-255	CTB Fine
18	16	27		<u>CTP Color :</u>
			0-255	CTP (0-white, 255-100% CTO)
		28		<u>CTP Color Fine :</u>
			0-255	CTP Fine
19	17	29		<u>Color Presets:</u>
			0-255	<u>See Appendix</u>
20	18	30		Reserved
21	19	31		Reserved
22	20	32		Reserved
				<u>Rotating gobos, cont. rotation :</u>
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3

23	21	33	40-49	Rot. gobo 4
			50-59	Rot. gobo 5
			60-69	Rot. gobo 6
			70-77	Rot. Gobo 7
			78-93	Gobo 1 shake slow to fast
			94-109	Gobo 2 shake slow to fast
			110-125	Gobo 3 shake slow to fast
			126-141	Gobo 4 shake slow to fast
			142-157	Gobo 5 shake slow to fast
			158-173	Gobo 6 shake slow to fast
			174-189	Gobo 7 shake slow to fast
			190-221	Gobo wheel rotation backwards from fast to slow
			222-223	No rotation
			224-255	Gobo wheel rotation forwards from slow to fast
24	22	34		<u>Rotating gobo index,rotating gobo rotation :</u>
			0-127	Gobo indexing
			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
			194-255	Backwards gobo rotation from slow to fast
		35		<u>Rotating gobo indexing Fine :</u>
			0-255	Fine indexing
25	23	36		<u>Animation wheel :</u>
			0-7	No rotation
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
26	24	37		<u>Iris:</u>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		38		<u>Iris Fine:</u>
			0-255	Iris Fine
27	25	39		<u>Prism 1 :</u>
			0-127	Open
			128-255	Prism
28	26	40		<u>Rotating prism index, rotating prism rotation 1</u>
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		41		<u>Rotating prism indexing Fine 1:</u>
			0-255	Fine indexing
29	27	42		<u>Frost :</u>
			0-255	0-100%

30	28	43		<u>Blade 1A :</u>
			0-255	Open to Close
		44		<u>Blade 1A Fine :</u>
			0-255	Open to Close Fine
31	29	45		<u>Blade 1B :</u>
			0-255	Open to Close
		46		<u>Blade 1B Fine :</u>
			0-255	Open to Close Fine
32	30	47		<u>Blade 2A :</u>
			0-255	Open to Close
		48		<u>Blade 2A Fine :</u>
			0-255	Open to Close Fine
33	31	49		<u>Blade 2B :</u>
			0-255	Open to Close
		50		<u>Blade 2B Fine :</u>
			0-255	Open to Close Fine
34	32	51		<u>Blade 3A :</u>
			0-255	Open to Close
		52		<u>Blade 3A Fine :</u>
			0-255	Open to Close Fine
35	33	53		<u>Blade 3B :</u>
			0-255	Open to Close
		54		<u>Blade 3B Fine :</u>
			0-255	Open to Close Fine
36	34	55		<u>Blade 4A :</u>
			0-255	Open to Close
		56		<u>Blade 4A Fine :</u>
			0-255	Open to Close Fine
37	35	57		<u>Blade 4B :</u>
			0-255	Open to Close
		58		<u>Blade 4B Fine :</u>
			0-255	Open to Close Fine
38	36	59		<u>All Blade Rotation :</u>
			0-255	All Blade Rotation
		60		<u>All Blade Rotation Fine :</u>
			0-255	All Blade Rotation Fine
				<u>Control, reset, internal programs:</u>
			0-4	unused
			5-9	Display Off
			10-14	Display On
			15-19	Display Invert Off
			20-24	Display Invert On
			25-26	Auto fan control mode
			27-28	Stage fan control mode
			29-30	Silence fan control mode

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31-32	Super Silence fan control mode
33-34	Constant Fans Off
35-36	Constant Fans On
37-44	unused
45-49	Square Law
50-54	Linear
55-58	1.2K
59-62	2.4K
63-66	16K
67-69	25K
70-74	Gobo correction Off
75-79	Gobo correction On
80-84	All motor reset
85-87	Scan motor reset
88-90	Colors motor reset
91-93	Gobo motor reset
94	unused
95	Reset P/T Fade Off
96	Reset P/T Fade On
97-99	Other motor reset
100-102	Frost Progressive Off
103-105	Frost Progressive On
106-108	CMY speed Fast
109-111	CMY speed Medium
112-114	CMY speed Slow
115-117	Silence Movements Off
118-120	Silence Movements On
121-123	Pan Reverse Off
124-126	Pan Reverse On
127-129	Tilt Reverse Off
130-132	Tilt Reverse On
133-135	Pan Degree 540°
136-138	Pan Degree 630°
139-141	Feedback Off
142-144	Feedback On
145-147	Init PAN Off
148-150	Init PAN On
151-153	Init TILT Off
154-156	Init TILT On
157-159	Reset Mode (Fast)
160-162	Reset Mode (All Rot Gobos)
163-165	Pan/Tilt Spd Fast
166-168	Pan/Tilt Spd Medium
169-171	Pan/Tilt Spd Slow
172-174	Zoom/Focus Spd Fast

		175-177	Zoom/Focus Spd Medium
		178-180	Zoom/Focus Spd Slow
		181-183	Reset LED Fade Off
		184-186	Reset LED Fade On
		187-255	unused