



HURACAN-LT

DMX channel's functions and their values (70DMX channels):

St	Ba	Ex	Value	Function
1	1	1		PAN Movement 8bit :
			0-255	Pan Movement
2		2		Pan Fine 16bit
			0-255	Fine control of Pan movement
3	2	3		TILT Movement 8bit :
			0-255	Tilt Movement
4		4		Tilt Fine 16bit
			0-255	Fine control of Tilt movement
5	3	5		Speed Pan/Tilt movement:
			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
				Shutter, strobe:
			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		Dimmer intensity:
			0-255	Intensity 0 to 100%
		8		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
8	6	9		Zoom :
			0-255	Zoom adjustment from small to big
		10		Zoom Fine:
			0-255	Zoom adjustment Fine
9	7	11		Focus :
			0-255	Continuous adjustment from near to far
		12		Focus Fine:
			0-255	Continuous adjustment Fine
10	8	13		Auto Focus :
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
11	9	14	201-255	15m
				AutoFocus Fine:
12	10	15	0-255	Continuous adjustment Fine
				Color Wheel:
			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	Forwards rainbow effect from fast to slow
190-193	No rotation			
194-255	Backwards rainbow effect from slow to fast			
		16		Color Wheel Fine:
			0-255	Color Wheel colour change to any position Fine

13	11	17	Cyan Color :	
		0-255	Cyan (0-white, 255-100% Cyan)	
		18	Cyan Color Fine :	
		0-255	Cyan Fine	
14	12	19	Magenta Color :	
		0-255	Magenta (0-white, 255-100% magenta)	
		20	Magenta Color Fine :	
		0-255	Magenta Fine	
15	13	21	Yellow Color :	
		0-255	Yellow (0-white, 255-100% Yellow)	
		22	Yellow Color Fine :	
		0-255	Yellow Fine	
16	14	23	CTO Color :	
		0-255	CTO (0-white, 255-100% CTO)	
		24	CTO Color Fine :	
		0-255	CTO Fine	
17	15	25	CTB Color :	
		0-255	CTB (0-white, 255-100% CTO)	
		26	CTB Color Fine :	
		0-255	CTB Fine	
18	16	27	CTP Color :	
		0-255	CTP (0-white, 255-100% CTO)	
		28	CTP Color Fine :	
		0-255	CTP Fine	
19	17	29	Color Presets:	
		0-255	See Appendix	
20	18	30	Reserved	
21	19	31	Reserved	
22	20	32	Reserved	
23	21	33	Rotating gobos, cont. rotation 1:	
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3
			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 forwards from fast to slow
222-223	No rotation			
224-255	Gobo wheel rotation f backwards from slow to fast			
24	22	34	Rotating gobo index,rotating gobo rotation 1:	
			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	Rotating gobo indexing Fine 1:	
		0-255	Fine indexing	

				Rotating gobos, cont. rotation 2:
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3
			40-49	Rot. gobo 4
			50-59	Rot. gobo 5
			60-69	Rot. gobo 6
			70-77	Rot. Gobo 7
25	23	36	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 forwards from fast to slow
			222-223	No rotation
			224-255	Gobo wheel rotation f backwards from slow to fast
				Rotating gobo index, rotating gobo rotation 2:
26	24	37	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
		38		Rotating gobo indexing Fine 2:
			0-255	Fine indexing
				Animation wheel 1:
27	25	39	0-7	No rotation
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
28	26	40		Animation wheel 2:
			0-255	Animation indexing
				Rotating Animation wheel 2:
29	27	41	0-7	No rotation
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
30	28	42		Iris:
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		43		Iris Fine:
			0-255	Iris Fine
				Prism 1:
31	29	44	0-127	Open
			128-255	Prism 1
				Rotating prism index, rotating prism rotation 1
32	30	45	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
		46		Rotating prism indexing Fine 1:
			0-255	Fine indexing

33	31	47	0-127	Prism 2: Open
			128-255	Prism 2
34	32	48	0-127	Rotating prism index, rotating prism rotation 2 Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		49		Rotating prism indexing Fine 2: Fine indexing
35	33	50		Frost 1: 0-255 0-100%
				Frost 2: 0-255 0-100%
36	34	51		Blade 1A : 0-255 Open to Close
				Blade 1A Fine : 0-255 Open to Close Fine
38	36	54		Blade 1B : 0-255 Open to Close
				Blade 1B Fine : 0-255 Open to Close Fine
39	37	56		Blade 2A : 0-255 Open to Close
				Blade 2A Fine : 0-255 Open to Close Fine
40	38	58		Blade 2B : 0-255 Open to Close
				Blade 2B Fine : 0-255 Open to Close Fine
41	39	60		Blade 3A : 0-255 Open to Close
				Blade 3A Fine : 0-255 Open to Close Fine
42	40	62		Blade 3B : 0-255 Open to Close
				Blade 3B Fine : 0-255 Open to Close Fine
43	41	64		Blade 4A : 0-255 Open to Close
				Blade 4A Fine : 0-255 Open to Close Fine
44	42	66		Blade 4B : 0-255 Open to Close
				Blade 4B Fine : 0-255 Open to Close Fine
45	43	68		All Blade Rotation : 0-255 All Blade Rotation
				All Blade Rotation Fine : 0-255 All Blade Rotation Fine
46	44	70		Control, reset, internal programs: 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
				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 Slow			
	112-255 unused			

Mode/Channel	Value	Function
Domino Mode		
1		PAN Movement 8bit :
	0-255	Pan Movement
2		Pan Fine 16bit
	0-255	Fine control of Pan movement
3		TILT Movement 8bit :
	0-255	Tilt Movement
4		Tilt Fine 16bit
	0-255	Fine control of Tilt movement
5		Speed Pan/Tilt movement:
	0-225	max to min speed
	226-235	blackout by movement
	236-245	blackout by all wheel changing
6	246-255	no function
		Shutter, strobe:
	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
7	181-191	No function (shutter open)
	192-245	Random strobe effect slow to fast
	246-255	No function (shutter open)
		Dimmer intensity:
	0-255	Intensity 0 to 100%
8		Fine Dimmer intensity:
	0-255	Dimmer intensity fine
12		Zoom :
	0-255	Zoom adjustment from small to big
13		Zoom Fine:
	0-255	Zoom adjustment Fine
14		Focus :
	0-255	Continuous adjustment from near to far
15		Focus Fine:
	0-255	Continuous adjustment Fine
16		Auto Focus :
	0-50	Auto Focus Off
	51-100	5m
	101-150	7.5m
	151-200	10m
17	201-255	15m
		AutoFocus Fine:
18	0-255	Continuous adjustment Fine
		Color Wheel:
	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	Forwards rainbow effect from fast to slow
190-193	No rotation	
194-255	Backwards rainbow effect from slow to fast	
19		Color Wheel Fine:
	0-255	Color Wheel colour change to any position Fine
20		CTB/CRI:
	0-63	Open
	64-127	CTB
	128-255	unused
21		Cyan Color :
	0-255	Cyan (0-white, 255-100% Cyan)
22		Cyan Color Fine :
	0-255	Cyan Fine
23		Magenta Color :
	0-255	Magenta (0-white, 255-100% magenta)
24		Magenta Color Fine :
	0-255	Magenta Fine
25		Yellow Color :
	0-255	Yellow (0-white, 255-100% Yellow)
26		Yellow Color Fine :
	0-255	Yellow Fine
27		CTO Color :
	0-255	CTO (0-white, 255-100% CTO)
28		CTO Color Fine :
	0-255	CTO Fine
9		Reserved
10		Reserved
11		Reserved

		Rotating gobos, cont. rotation 1:
	0-9	Open
	10-19	Rot. gobo 1
	20-29	Rot. gobo 2
	30-39	Rot. gobo 3
	40-49	Rot. gobo 4
	50-59	Rot. gobo 5
	60-69	Rot. gobo 6
	70-77	Rot. Gobo 7
29	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 forwards from fast to slow
	222-223	No rotation
	224-255	Gobo wheel rotation f backwards from slow to fast
		Rotating gobo index,rotating gobo rotation 1:
	0-127	Gobo indexing
30	128-189	Forwards gobo rotation from fast to slow
	190-193	No rotation
	194-255	Backwards gobo rotation from slow to fast
		Rotating gobo indexing Fine 1:
31	0-255	Fine indexing
		Rotating gobos, cont. rotation 2:
	0-9	Open
	10-19	Rot. gobo 1
	20-29	Rot. gobo 2
	30-39	Rot. gobo 3
	40-49	Rot. gobo 4
	50-59	Rot. gobo 5
	60-69	Rot. gobo 6
	70-77	Rot. Gobo 7
32	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 forwards from fast to slow
	222-223	No rotation
	224-255	Gobo wheel rotation f backwards from slow to fast
		Rotating gobo index,rotating gobo rotation 2:
	0-127	Gobo indexing
33	128-189	Forwards gobo rotation from fast to slow
	190-193	No rotation
	194-255	Backwards gobo rotation from slow to fast
		Rotating gobo indexing Fine 2:
34	0-255	Fine indexing
		Animation wheel 1:
35	0	open
	1-239	Animation indexing
	240-255	shake slow to fast
		Animation wheel 1:
36	0-7	No rotation
	8-127	Forwards rotation from fast to slow
	128-135	No rotation
	136-255	Backwards rotation from slow to fast
		Animation wheel 2:
37	0-7	open
	8-127	Forwards rotation from fast to slow
	128-135	No rotation
	136-255	Backwards rotation from slow to fast
		Iris:
38	0-191	Max. diameter to Min.diameter
	192-223	Pulse closing fast to slow
	224-255	Pulse opening slow to fast
		Iris Fine:
39	0-255	Iris Fine
		Prism 1:
40	0-127	Open
	128-255	5-Facet Prism
		Rotating prism index, rotating prism rotation 1
	0-127	Prism indexing
41	128-189	Forwards prism rotation from fast to slow
	190-193	No rotation
	194-255	Backwards prism rotation from slow to fast
		Rotating prism indexing Fine 1:
42	0-255	Fine indexing

43	0-127	Prism 2: Open
	128-255	Linear Prism
44		Rotating prism index, rotating prism rotation 2
	0-127	Prism indexing
	128-189	Forwards prism rotation from fast to slow
	190-193	No rotation
45	194-255	Backwards prism rotation from slow to fast
		Rotating prism indexing Fine 2:
46	0-255	Fine indexing
		Frost 1:
47	0-255	0-100%
		Frost 2:
48	0-255	0-100%
		Blade 1A :
49	0-255	Open to Close
		Blade 1A Fine :
50	0-255	Open to Close Fine
		Blade 1B :
51	0-255	Open to Close
		Blade 1B Fine :
52	0-255	Open to Close Fine
		Blade 2A :
53	0-255	Open to Close
		Blade 2A Fine :
54	0-255	Open to Close Fine
		Blade 2B :
55	0-255	Open to Close
		Blade 2B Fine :
56	0-255	Open to Close Fine
		Blade 3A :
57	0-255	Open to Close
		Blade 3A Fine :
58	0-255	Open to Close Fine
		Blade 3B :
59	0-255	Open to Close
		Blade 3B Fine :
60	0-255	Open to Close Fine
		Blade 4A :
61	0-255	Open to Close
		Blade 4A Fine :
62	0-255	Open to Close Fine
		Blade 4B :
63	0-255	Open to Close
		Blade 4B Fine :
64	0-255	Open to Close Fine
		All Blade Rotation :
65	0-255	All Blade Rotation
		All Blade Rotation Fine :
66	0-255	All Blade Rotation Fine
		Control, reset, internal programs:
66	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
	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
	55-57	1.2K
	58-60	2.4K
	61-63	16K
	64-69	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 Slow
112-255	unused	

Appendix:

name (=DMX value)	color name
EC003	LAVENDER TINT
EC004	MEDIUM BASTARD AMBER
EC007	PALE YELLOW
EC008	DARK SALMON
EC009	PALE AMBER GOLD
EC010	MEDIUM YELLOW
EC013	STRAW TINT
EC015	DEEP STRAW
EC017	SURPRISE PEACH
EC020	MEDIUM AMBER
EC021	GOLD AMBER
EC022	DARK AMBER
EC024	SCARLET
EC025	SUNSET RED
EC026	BRIGHT RED
EC029	PALSA RED
EC035	LIGHT PINK
EC036	MEDIUM PINK
EC046	DARK MAGENTA
EC048	DARK PURPLE
EC052	LIGHT LAVENDER
EC053	PALE LAVENDER
EC058	LAVENDER
EC063	PALE BLUE
EC068	SKY BLUE
EC071	TOKIO BLUE
EC075	EVENING BLUE
EC079	JUST BLUE
EC085	DEEPER BLUE
EC088	LIME GREEN
EC089	MOSS GREEN
EC090	DARKYELLOW GREEN
EC100	SPRING YELLOW
EC101	YELLOW
EC102	LIGHT AMBER
EC103	STRAW
EC104	DEEP AMBER
EC105	ORANGE
EC106	PRIMAY RED
EC107	LIGHT ROSE
EC108	ENGLISH ROSE
EC109	LIGHT SALMON
EC110	MIDDLE ROSE
EC111	DARK PINK
EC113	MAGENTA

EC116	MEDIUM BLUE GREEN
EC118	LIGHT BLUE
EC119	DARK BLUE
EC120	DEEP BLUE
EC124	DARK GREEN
EC126	MAUVE
EC127	SMOKEY PINK
EC128	BRIGHT PINK
EC132	MEDIUM BLUE
EC134	GOLDEN AMBER
EC136	PALE LAVENDER
EC137	SPECIAL LAVENDER
EC138	PALE GREEN
EC139	PRIMARY GREEN
EC140	SUMMER BLUE
EC141	BRIGHT BLUE
EC142	PALE VIOLET
EC143	PALE NAVY BLUE
EC147	APRICOT
EC148	BRIGHT ROSE
EC151	GOLD TINT
EC152	PALE GOLD
EC153	PALE SALMON
EC154	PALE ROSE
EC156	CHOCOLATE
EC158	DEEP ORANGE
EC159	NO COLOR STRAW
EC161	SLATE BLUE
EC162	BASTARD AMBER
EC164	FLAME RED
EC165	DAYLIGHT BLUE
EC169	LILAC TINT
EC170	DEEP LAVENDER
EC172	LAGOON BLUE
EC174	DARK STEEL BLUE
EC176	LOVING AMBER
EC179	CHROME ORANGE
EC180	DARK LAVENDER
EC181	CONGO BLUE
EC182	LIGHT RED
EC183	MOONLIGHT BLUE
EC192	FLESH PINK
EC193	ROSY AMBER
EC194	SURPRISE PINK
EC195	ZENITH BLUE
EC196	TRUE BLUE
EC197	ALICE BLUE
EC198	PALACE BLUE