



BORA DMX CHART V1

DMX channel's functions and their values (52 DMX channels):				
Mode/Channel			Value	Function
St	Ba	Ex		
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
			246-255	no function
6	4	6		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
246-255	No function (shutter open)			
7	5	7		Dimmer intensity:
			0-255	Intensity 0 to 100%
		8		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
8	6	9		Chase Patterns:

			0-9	Open
			10-19	Chase 1
			20-29	Chase 2
			30-39	Chase 3
			40-49	Chase 4
			50-59	Chase 5
			60-69	Chase 6
			70-79	Chase 7
			80-89	Chase 8
			90-99	Chase 9
			100-109	Chase 10
			110-119	Chase 11
			120-129	Chase 12
			130-139	Chase 13
			140-255	Reserved
				<u>Chase Speed:</u>
9	7	10	0-125	Fast to Slow Backward
			126-130	Stop(Speed=0)
			131-255	Slow to Fast Forward
				<u>Chase Fade:</u>
10	8	11	0-255	Fade Chase
				<u>Zoom :</u>
11	9	12	0-255	Zoom adjustment from small to big
				<u>Zoom Fine:</u>
		13	0-255	Zoom adjustment Fine
				<u>Focus :</u>
12	10	14	0-255	Continuous adjustment from near to far
				<u>Focus Fine:</u>
		15	0-255	Continuous adjustment Fine
				<u>Color Wheel 1:</u>
			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
		17		<u>Color Wheel 1 Fine :</u>

			0-255	Color Wheel colour change to any position Fine
14	12	18		<u>Color Wheel 2:</u>
			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		<u>Color Wheel 2 Fine :</u>
			0-255	Color Wheel colour change to any position Fine
15	13	20		<u>Cyan Color :</u>
			0-255	Cyan (0-white, 255-100% Cyan)
		21		<u>Cyan Color Fine :</u>
			0-255	Cyan Fine
16	14	22		<u>Magenta Color :</u>
			0-255	Magenta (0-white, 255-100% magenta)
		23		<u>Magenta Color Fine :</u>
			0-255	Magenta Fine
17	15	24		<u>Yellow Color :</u>
			0-255	Yellow (0-white, 255-100% Yellow)
		25		<u>Yellow Color Fine :</u>
			0-255	Yellow Fine
18	16	26		<u>CTO Color :</u>
			0-255	CTO (0-white, 255-100% CTO)
		27		<u>CTO Color Fine :</u>
			0-255	CTO Fine
19	17	28		<u>Rotating gobos, cont. rotation 1:</u>
			0-9	Open
			10-23	Rot. gobo 1
			24-37	Rot. gobo 2
			38-51	Rot. gobo 3
			52-65	Rot. gobo 4
			66-79	Rot. gobo 5
			80-93	Rot. gobo 6
			94-109	Gobo 1 shake slow to fast
			110-125	Gobo 2 shake slow to fast
126-141	Gobo 3 shake slow to fast			

			142-157	Gobo 4 shake slow to fast
			158-173	Gobo 5 shake slow to fast
			174-189	Gobo 6 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
20	18	29		<u>Rotating gobo index,rotating gobo rotation 1:</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
		30		<u>Rotating gobo indexing Fine 1:</u>
			0-255	Fine indexing
21	19	31		<u>Iris:</u>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		32		<u>Iris Fine:</u>
			0-255	Iris Fine
22	20	33		<u>Frost:</u>
			0-255	0-100%
23	21	34		<u>Blade 1A :</u>
			0-255	Open to Close
		35		<u>Blade 1A Fine :</u>
			0-255	Open to Close Fine
24	22	36		<u>Blade 1B :</u>
			0-255	Open to Close
		37		<u>Blade 1B Fine :</u>
			0-255	Open to Close Fine
25	23	38		<u>Blade 2A :</u>
			0-255	Open to Close
		39		<u>Blade 2A Fine :</u>
			0-255	Open to Close Fine
26	24	40		<u>Blade 2B :</u>
			0-255	Open to Close
		41		<u>Blade 2B Fine :</u>
			0-255	Open to Close Fine
27	25	42		<u>Blade 3A :</u>
			0-255	Open to Close
		43		<u>Blade 3A Fine :</u>
			0-255	Open to Close Fine
28	26	44		<u>Blade 3B :</u>
			0-255	Open to Close

		45		Blade 3B Fine :
			0-255	Open to Close Fine
29	27	46		Blade 4A :
			0-255	Open to Close
		47		Blade 4A Fine :
			0-255	Open to Close Fine
30	28	48		Blade 4B :
			0-255	Open to Close
		49		Blade 4B Fine :
			0-255	Open to Close Fine
31	29	50		All Blade Rotation :
			0-255	All Blade Rotation
		51		All Blade Rotation Fine :
			0-255	All Blade Rotation Fine
				LED on/off, reset, internal programs:
			0-9	unused
			10-14	Display Off
			15-19	Display On
			20-24	Display Invert Off
			25-29	Display Invert On
			30-34	Auto fan control mode
			35-39	Stage fan control mode
			40-44	Studio fan control mode
			45-49	Silence fan control mode
			50-54	Square Law
			55-59	Linear
			60-64	1.2K
			65-69	2.4K
			70-74	16K
			75-79	unused
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	unused
			94-96	unused
			97-99	Other motor reset
			100-119	Internal program 1 (scene1~8 of EEPROM)
			120-139	Internal program 2 (scene9~16 of EEPROM)
			140-159	Internal program 3 (scene17~24 of EEPROM)
			160-179	Internal program 4 (scene25~32 of EEPROM)
			180-199	Internal program 5 (scene33~40 of EEPROM)
			200-219	Internal program 6 (scene41~48 of EEPROM)
			220-239	Internal program 7 (scene49~56 of EEPROM)
			240-255	Internal program 8 (scene49~56 of EEPROM)
32	30	52		