



GHIBLI DMX CHART

DMX channel's functions and their values (38-36-58 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			
9	7	10		Chase Speed:
			0-125	Fast to Slow Backward
			126-130	Stop(Speed=0)
			131-255	Slow to Fast Forward
10	8	11		Chase Fade:
			0-255	Fade Chase
11	9	12		Zoom :
			0-255	Zoom adjustment from small to big
				Zoom Fine:
		13	0-255	Zoom adjustment Fine
12	10	14		Focus :
			0-255	Continuous adjustment from near to far
				Focus Fine:
		15	0-255	Continuous adjustment Fine
13	11	16		Auto Focus :
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
			201-255	15m
14	12	17		AutoFocus Fine:
			0-255	Continuous adjustment Fine
15	13	18		Color Wheel:
			0-3	Open / white
			4-7	Color 1(CRI Filter)
			8-11	Color 2(Congo Blue)
			12-15	Color 3(Green)
			16-19	Color 4(Orange)
			20-23	Color 5(Light Blue)
			24-27	Color 6(Red)
			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
			0-255	Color Wheel colour change to any position Fine
16	14	20		Cyan Color :
			0-255	Cyan (0-white, 255-100% Cyan)
		21		Cyan Color Fine :
			0-255	Cyan Fine
17	15	22		Magenta Color :
			0-255	Magenta (0-white, 255-100% magenta)
		23		Magenta Color Fine :

		↔	0-255	Magenta Fine
18	16	24	0-255	Yellow Color : Yellow (0-white, 255-100% Yellow)
		25	0-255	Yellow Color Fine : Yellow Fine
19	17	26	0-255	CTO Color : CTO (0-white, 255-100% CTO)
		27	0-255	CTO Color Fine : CTO Fine
				Rotating gobos, cont. rotation 1:
			0-9	Open
			01/10/19	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
				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
				Rotating gobo indexing Fine 1:
			0-255	Fine indexing
				Fixed Gobo2 :
			0-21	open
			22-31	Gobo 1
			32-41	Gobo 2
			42-51	Gobo 3
			52-61	Gobo 4
			62-71	Gobo 5
			72-81	Gobo 6
			82-91	Gobo 7
			92-101	Gobo 8
			102-112	Gobo 1 shake slow to fast
			113-123	Gobo 2 shake slow to fast
			124-134	Gobo 3 shake slow to fast
			135-145	Gobo 4 shake slow to fast
			146-156	Gobo 5 shake slow to fast
			157-167	Gobo 6 shake slow to fast
			168-178	Gobo 7 shake slow to fast
			179-189	Gobo 8 shake slow to fast
			190-221	Clock-wise scroll from fast to slow
			222-223	Reserved
			224-255	Counter clock-wise scroll from slow to fast
				Animation wheel:
			0-7	open
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
				Iris:
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
				Iris Fine:
			0-255	Iris Fine
				Prism:
			0-127	Open
			128-255	3-Facet Prism
				Rotating prism index, rotating prism rotation
			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
				Rotating prism indexing Fine :
			0-255	Fine indexing
				Frost 1:
			0-255	0-100%
				Frost 2:
			0-255	0-100%
				Blade 1 :
			0-255	Open to Close
				Blade 1 Fine :
			0-255	Open to Close Fine
				Blade 1 Rotation :
			0-255	Blade 1 Rotation
				Blade 1 Rotation Fine :
			0-255	Blade 1 Rotation Fine
				Blade 2 :
			0-255	Open to Close
				Blade 2 Fine :
			0-255	Open to Close Fine
				Blade 2 Rotation :
			0-255	Blade 2 Rotation
				Blade 2 Rotation Fine :
			0-255	Blade 2 Rotation Fine
				Blade 3 :
33	31	48		

33	31	49	0-255	Open to Close Blade 3 Fine :
		49	0-255	Open to Close Fine Blade 3 Rotation :
34	32	50	0-255	Blade 3 Rotation Blade 3 Rotation Fine :
		51	0-255	Blade 3 Rotation Fine Blade 4 :
35	33	52	0-255	Open to Close Blade 4 Fine :
		53	0-255	Open to Close Fine Blade 4 Rotation :
36	34	54	0-255	Right Blade Rotation Blade 4 Rotation Fine :
		55	0-255	Right Blade Rotation Fine All Blade Rotation :
37	35	56	0-255	All Blade Rotation All Blade Rotation Fine :
		57	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	Whisper fan control mode
			50-54	Square Dim
			55-59	Linear Dim
			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	Gobo motor reset
			94-99	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)