

DIABLO (from Software V201)

DMX channel's functions and their values (56DMX 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		Reserved
9	7	10		Reserved
10	8	11		Reserved
11	9	12		Zoom :
			0-255	Zoom adjustment from small to big
		13		Zoom Fine:
			0-255	Zoom adjustment Fine
12	10	14		Focus :
			0-255	Continuous adjustment from near to far
		15		Focus Fine:
			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(CTB)
			8-11	Color 2(Magenta)
			12-15	Color 3(Congo Blue)
			16-19	Color 4(Green)
			20-23	Color 5(Orange)
			24-27	Color 6(Light Blue)
			28-31	Color 7(Red)
			32-127	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
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		Yellow Color :
			0-255	Yellow (0-white, 255-100% Yellow)
		25		Yellow Color Fine :
			0-255	Yellow Fine
19	17	26		CTO Color :
			0-255	CTO (0-white, 255-100% CTO)
		27		CTO Color Fine :
			0-255	CTO Fine
20	18	28		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			

21	19	29		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
		30		Rotating gobo indexing Fine 1:
			0-255	Fine indexing
22	20	31		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
23	21	32		Iris:
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		33		Iris Fine:
			0-255	Iris Fine
24	22	34		Prism:
			0-127	Open
			128-255	5-Facet Prism
25	23	35		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
		36		Rotating prism indexing Fine :
			0-255	Fine indexing
26	24	37		Frost:
			0-255	0-100% Frost
27	25	38		Blade 1A :
			0-255	Open to Close
		39		Blade 1A Fine :
			0-255	Open to Close Fine
28	26	40		Blade 1B :
			0-255	Open to Close
		41		Blade 1B Fine :
			0-255	Open to Close Fine
29	27	42		Blade 2A :
			0-255	Open to Close
		43		Blade 2A Fine :
			0-255	Open to Close Fine
30	28	44		Blade 2B :
			0-255	Open to Close
		45		Blade 2B Fine :
			0-255	Open to Close Fine
31	29	46		Blade 3A:
			0-255	Open to Close
		47		Blade 3A Fine :
			0-255	Open to Close Fine
32	30	48		Blade 3B :
			0-255	Open to Close
		49		Blade 3B Fine :
			0-255	Open to Close Fine
33	31	50		Blade 4A :
			0-255	Open to Close
		51		Blade 4A Fine :
			0-255	Open to Close Fine
34	32	52		Blade 4B :
			0-255	Open to Close
		53		Blade 4B Fine :
			0-255	Open to Close Fine
35	33	54		All Blade Rotation :
			0-255	All Blade Rotation
		55		All Blade Rotation Fine :
			0-255	All Blade Rotation Fine

36	34	56		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
			94-96	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)			