

DIABLO DMX CHART V1

DMX channel's functions and their values (34 - 36 – 56 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
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		Chase Patterns:
			0-9	Open
			10-19	Chase 1
			20-29	Chase 2

			30-39	Chase 3
			40-49	Chase 4
			50-255	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
		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		Auto Focus 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		<u>Magenta Color :</u>
			0-255	Magenta (0-white, 255-100% magenta)
		23		<u>Magenta Color Fine :</u>
			0-255	Magenta Fine
18	16	24		<u>Yellow Color :</u>
			0-255	Yellow (0-white, 255-100% Yellow)
		25		<u>Yellow Color Fine :</u>
			0-255	Yellow Fine
19	17	26		<u>CTO Color :</u>
			0-255	CTO (0-white, 255-100% CTO)
		27		<u>CTO Color Fine :</u>
			0-255	CTO Fine
20	18	28		<u>Rotating gobos, cont. rotation 1:</u>
			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		<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
22	20	31		<u>Animation wheel:</u>
			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		<u>Iris:</u>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		33		<u>Iris Fine:</u>
			0-255	Iris Fine
24	22	34		<u>Prism:</u>
			0-127	Open
			128-255	5-Facet Prism
25	23	35		<u>Rotating prism index, rotating prism rotation</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
		36		<u>Rotating prism indexing Fine:</u>
			0-255	Fine indexing
26	24	37		<u>Frost:</u>
			0-255	0-100% Frost
27	25	38		<u>Blade 1 A :</u>
			0-255	Open to Close
		39		<u>Blade 1 A Fine :</u>
			0-255	Open to Close Fine
28	26	40		<u>Blade 1 B:</u>
			0-255	Open to Close
		41		<u>Blade 1 B Fine :</u>
			0-255	Open to Close Fine
29	27	42		<u>Blade 2 A :</u>
			0-255	Open to Close
		43		<u>Blade 2 A Fine:</u>
			0-255	Open to Close Fine
30	28	44		<u>Blade 2 B:</u>
			0-255	Open to Close
		45		<u>Blade 2 B Fine:</u>
			0-255	Open to Close Fine
31	29	46		<u>Blade 3 A:</u>
			0-255	Open to Close
		47		<u>Blade 3 A Fine:</u>
			0-255	Open to Close Fine
32	30	48		<u>Blade 3 B:</u>
			0-255	Open to Close
		49		<u>Blade 3 B Fine:</u>
			0-255	Open to Close Fine
33	31	50		<u>Blade 4 A:</u>

			0-255	Open to Close
		51		Blade 4 A Fine:
			0-255	Open to Close Fine
34	32	52		Blade 4 B :
			0-255	Open to Close
		53		Blade 4 B 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
				Control, reset, internal programs:
			0-4	Not used
			5-9	Display Off
			10-14	Display On
			15-19	Display Invert Off
			20-24	Display Invert On
			25-29	Auto fan control mode
			30-34	Stage fan control mode
			35-39	Studio fan control mode
			40-44	Silence fan control mode
			45-49	Square Law
			50-54	Linear
			55-59	1.2K
			60-64	2.4K
			65-69	16K
36	34	56	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	Not used
			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)