

DIABLO DMX CHART V203

DMX channel's functions and their values (34 - 36 - 56 DMX channels):				
Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<u>PAN Movement 8bit :</u>
			0-255	Pan Movement
2		2		<u>Pan Fine 16bit</u>
			0-255	Fine control of Pan movement
3	2	3		<u>TILT Movement 8bit :</u>
			0-255	Tilt Movement
4		4		<u>Tilt Fine 16bit</u>
			0-255	Fine control of Tilt movement
5	3	5		<u>Speed Pan/Tilt movement:</u>
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
6	4	6		<u>Shutter, strobe:</u>
			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		<u>Dimmer intensity:</u>
			0-255	Intensity 0 to 100%
		8		<u>Fine Dimmer intensity:</u>
			0-255	Dimmer intensity fine
8	6	9		Reserved
9	7	10		Reserved
10	8	11		Reserved
11	9	12		<u>Zoom :</u>
			0-255	Zoom adjustment from small to big
		13		<u>Zoom Fine:</u>
			0-255	Zoom adjustment Fine
12	10	14		<u>Focus :</u>
			0-255	Continuous adjustment from near to far
		15		<u>Focus Fine:</u>
			0-255	Continuous adjustment Fine
13	11	16		<u>Auto Focus :</u>
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m

			201-255	15m
14	12	17		<u>AutoFocus Fine:</u>
			0-255	Continuous adjustment Fine
15	13	18		<u>Color Wheel:</u>
			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		<u>Color Wheel Fine :</u>
			0-255	Color Wheel colour change to any position Fine
16	14	20		<u>Cyan Color :</u>
			0-255	Cyan (0-white, 255-100% Cyan)
		21		<u>Cyan Color Fine :</u>
			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
				<u>Rotating gobo index,rotating gobo rotation 1:</u>
			0-127	Gobo indexing

21	19	29	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 1A :</u>
			0-255	Open to Close
		39		<u>Blade 1A Fine :</u>
			0-255	Open to Close Fine
28	26	40		<u>Blade 1B :</u>
			0-255	Open to Close
		41		<u>Blade 1B Fine :</u>
			0-255	Open to Close Fine
29	27	42		<u>Blade 2A :</u>
			0-255	Open to Close
		43		<u>Blade 2A Fine :</u>
			0-255	Open to Close Fine
30	28	44		<u>Blade 2B :</u>
			0-255	Open to Close
		45		<u>Blade 2B Fine :</u>
			0-255	Open to Close Fine
31	29	46		<u>Blade 3A:</u>
			0-255	Open to Close
		47		<u>Blade 3A Fine :</u>
			0-255	Open to Close Fine
32	30	48		<u>Blade 3B :</u>
			0-255	Open to Close
		49		<u>Blade 3B Fine :</u>
			0-255	Open to Close Fine
33	31	50		<u>Blade 4A :</u>
			0-255	Open to Close

		51		<u>Blade 4A Fine :</u>
			0-255	Open to Close Fine
34	32	52		<u>Blade 4B :</u>
			0-255	Open to Close
		53		<u>Blade 4B Fine :</u>
			0-255	Open to Close Fine
35	33	54		<u>All Blade Rotation :</u>
			0-255	All Blade Rotation
		55		<u>All Blade Rotation Fine :</u>
			0-255	All Blade Rotation Fine
				<u>Control, reset, internal programs:</u>
			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
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	unused
			97-99	Other motor reset
			100-102	Prerig INIT Off
			103-105	Prerig INIT On
			106-108	unused
			109-111	unused
			112-114	Tilt Degree 270°
			115-117	Tilt Degree 180°
			118-120	Tilt Degree 190°
			121-123	Tilt Degree 200°
			124-126	Tilt Degree 210°
			127-129	Tilt Degree 220°
			130-132	Tilt Degree 230°
			133-255	unused