

DMX CHANNELS

Mode/Channel		Function	Values	Description
16B	8B			
1	1	PAN	0-255	PAN movement
2	2	PAN fine	0-255	Fine control of PAN movement
3		TILT 1	0-255	TILT 1 movement
4		TILT 1 fine	0-255	Fine control of TILT 1 movement
5	3	Color wheel 1	0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1+Color 2
			16-19	Color 2
			20-23	Color 2+Color 3
			24-27	Color 3
			28-37	Color 3+Color 4
			32-35	Color 4
			36-39	Color 4+Color 5
			40-43	Color 5
			44-47	Color 5+Color 6
			48-51	Color 6
			52-55	Color 6+Color 7
			56-59	Color 7
			60-63	Color 7+Color 8
			64-67	Color 8
			68-71	Color 8+Color 9
			72-75	Color 9
			76-79	Color 9+Color 10
			80-83	Color 10
			84-87	Color 10+Color 11
			88-91	Color 11
			92-95	Color 11+Color 12
			96-99	Color 12
			100-103	Color 12+Color 13
			104-107	Color 13
			108-111	Color 13+Color 14
			112-115	Color 14
			116-127	Color 14+White
			128-189	Forwards rainbow effect from fast to slow
			190-193	Color rotation stop
			194-255	Backwards rainbow effect from slow to fast

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6	4	Gobo wheel 1	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont.rotation slow to fast
7	5	Shutter 1	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast

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7	5	Shutter 1	96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
8	6	Dimmer 1	0-255	Dimmer 0%-100%
9	7	Focus 1	0-255	In (far) to out (near)
10	8	Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism backwards rotation from slow to fast
11	9	Speed PAN/TILT 1	0-225	Max to min speed
			226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	PAN rotation
12	10	PAN rotating	0-3	PAN rotation Off
			4-127	Forwards rotation from fast to slow
			128-131	PAN rotation from slow to fast
			132-255	Backwards rotation from slow to fast
13				No function
14				No function
15				No function
16		TILT 2	0-255	TILT 1 movement
17		TILT 2-Fine	0-255	Fine control of TILT movement
18		Color wheel 2	0-3	Open/White
			4-7	White + Color 1
			8-11	Color 1
			12-15	Color 1 + Color 2
			16-19	Color 2
			20-23	Color 2 + Color 3
			24-27	Color 3
			28-31	Color 3 + Color 4
			32-35	Color 4
			36-39	Color 4 + Color 5
			40-43	Color 5
			44-47	Color 5 + Color 6
			78-51	Color 6
			52-55	Color 6 + Color 7

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18		Color wheel 2	56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forwards rainbow effect from fast to slow
			190-193	Color rotation stop
			194-255	Backwards rainbow effect from slow to fast
19		Gobo wheel 2	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast

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19		Gobo wheel 2	106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont.rotation slow to fast
20		Shutter 2	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
21			224-255	Shutter open
22		Dimmer 2	0-255	Dimmer0%-100%
		Focus 2	0-255	In (far) to out (near)
23		Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism frowards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism backwards rotation from slow to fast
24			0-255	Max to min speed
25		Speed PAN/TILT 2	226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	No function
26				No function
27				No function
28				No function
29				No function

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29		TILT 3	0-255	TILT 1 movement
30		TILT 3-Fine	0-255	Fine control of TILT movement
31		Color wheel 3	0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1+Color 2
			16-19	Color 2
			20-23	Color 2+Color 3
			24-27	Color 3
			28-31	Color 3+Color 4
			32-35	Color 4
			36-39	Color 4+Color 5
			40-43	Color 5
			44-47	Color 5+Color 6
			78-51	Color 6
			52-55	Color 6+Color 7
			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forwards rainbow effect from fast to slow
			190-193	Color rotation stop
			194-255	Backwards rainbow effect from slow to fast
32		Gobo wheel 3	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3

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32		Gobo wheel 3	20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont.rotation slow to fast
33		Shutter 3	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast

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33		Shutter 3	224-255	Shutter open
34		Dimmer 3	0-255	Dimmer 0%-100%
35		Focus 3	0-255	In (far) to out (near)
36		Speed PAN/TILT 3	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism backwards rotation from slow to fast
			0-255	Max to min speed
			226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	No function
38				No function
39				No function
40				No function
41				No function
42		TILT 4	0-255	TILT 1 movement
43		TILT 4-Fine	0-255	Fine control of TILT movement
44		Color wheel 4	0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1+Color 2
			16-19	Color 2
			20-23	Color 2+Color 3
			24-27	Color 3
			28-31	Color 3+Color 4
			32-35	Color 4
			36-39	Color 4+Color 5
			40-43	Color 5
			44-47	Color 5+Color 6
			48-51	Color 6
			52-55	Color 6+Color 7
			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10

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44		Color wheel 4	84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forwards rainbow effect from fast to slow
			190-193	Color rotation stop
			194-255	Backwards rainbow effect from slow to fast
45		Gobo wheel 4	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast

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45		Color wheel 4	162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont.rotation slow to fast
46		Shutter 4	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
47		Dimmer 4	0-255	Dimmer0%-100%
48		Focus 4	0-255	In (far) to out (near)
49		Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism frowards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism backwards rotation from slow to fast
50		Speed PAN/TILT 4	0-225	Max to min speed
			226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	No function
51			0-255	No function
			0-19	No function
			20-29	No function
			30-39	No function
			40-43	All lamp on
			44-47	Lamp 1 on
			48-51	Lamp 2 on
			52-55	Lamp 3 on
			56-59	Lamp 4 on
			60-63	All lamp off
			64-67	Lamp 1 off

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52	11	Special function	68-71	Lamp 2 off
			72-75	Lamp 3 off
			76-79	Lamp 4 off
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	Shutter & dimmer motor reset
			97-99	Other motor reset
			100-119	Internal program 1
			120-139	Internal program 2
			140-159	Internal program 3
			160-179	Internal program 4
			180-199	Internal program 5
			200-219	Internal program 6
			220-239	Internal program 7
			240-255	Internal program 8
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open