

# DMX Chart Force 120

## Product Information



Firmware Version 1.25



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## German Light Products

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Mode 1

<u>Ch</u>	<u>Function</u>	<u>Description</u>	<u>% Range</u>	<u>DMX</u>	<u>Comments</u>
1	Fan	Stop	0 - 1.1%	0..3	-
		NORM Forward	1.5 - 50%	4..128	-
		Stop	50 - 51%	129..132	-
		NORM Reversal	52 - 100%	133..255	
2	Dimmer	Intensity control for set 1 pixels	0 - 100%	0..255	Intensity for Fixture 1 only
3	Shutter	Shutter Closed	0 - 5.5%	0..15	
		Random strobe - Slow to Fast	6 - 18.5%	16..47	
		Fade on, Snap off, Random - Slow to Fast	19 - 31%	48..79	
		Snap on, Fade off, Random - Slow to Fast	32 - 43%	80..111	
		Fade on, Fade off, Random - Slow to Fast	44 - 56%	112..143	
		Strobe with b/o pause	63 - 77%	144..199	
		Strobe - Slow to Fast	78 - 94%	200..239	
		Shutter Open	95 - 100%	239..255	
4	Color	No effect	0 - 2.5%	0..7	Colors determined via RGBW channels
		Red	3 - 5.5%	8..15	
		Amber	6 - 8.5%	16..23	
		Warm Yellow	9 - 12.5%	24..31	
		Yellow	13 - 15.5%	32..39	
		Green	16 - 18.5%	40..47	
		Turquoise	19 - 21.5%	48..55	
		Cyan	22 - 24.5%	56..63	
	Blue	25 - 27.5%	64..71		

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		Lavender	28 - 30.5%	72..79	
		Mauve	31 - 34.5%	80..87	
		Magenta	35 - 37.5%	88..95	
		Pink	38 - 40.5%	96..103	
		CTC 3200K	41 - 43.5%	104..111	
		CTC 5600K	44 - 46.5%	112..119	
		CTC 7200K	47 - 49.5%	120..127	
		Rainbow Effect - Stop	50%	128	
		Rainbow Effect - Slow to Fast	51 - 88%	129..223	
		Random Colors - Slow to Fast	89 - 100%	224..255	
5	Red	Red Intensity	0 - 100%	0..255	
6	Green	Green Intensity	0 - 100%	0..255	
7	Blue	Blue Intensity	0 - 100%	0..255	
8	Special / Control (All fixtures)	No Function	0 - 19.5%	0..50	
		No Function	20 - 25%	51..64	
		No Function	25.5 - 38.5%	65..99	
		Change PWM Frequency (Hold value for more than 3 second)	39.2 - 40%	100..102	Adjust the PWM to 582Hz
			40.3 - 41.1%	103..105	Adjust the PWM to 583Hz
			41.5 - 41.9%	106..107	Adjust the PWM to 584Hz
			42.3 - 43.1%	108..110	Adjust the PWM to 585Hz
			43.5 - 43.9%	111..112	Adjust the PWM to 586Hz
			44.3 - 45.1%	113..115	Adjust the PWM to 587Hz

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		45.4 - 46.2%	116..118	Adjust the PWM to 588Hz
		46.6 - 47%	119..120	Adjust the PWM to 589Hz
		47.4 - 48.2%	121..123	Adjust the PWM to 590Hz
		48.6 - 49%	124..125	Adjust the PWM to 591Hz
		49.4 - 50.2%	126..128	Adjust the PWM to 592Hz
		50.5 - 59.9%	129..130	Adjust the PWM to 593Hz
		51.3 - 52.1%	131..133	Adjust the PWM to 594Hz
		52.5 - 35.3%	134..136	Adjust the PWM to 595Hz
		53.7 - 54.1%	137..138	Adjust the PWM to 596Hz
		54.5 - 55.2%	139..141	Adjust the PWM to 597Hz
		55.6 - 56%	142..143	Adjust the PWM to 598Hz
		56.4 - 57.2%	144..146	Adjust the PWM to 599Hz
		57.6 - 58.4%	147..149	Adjust the PWM to 600Hz
		58.8 - 59.2%	150..151	Adjust the PWM to 601Hz
		59.6 - 60.3%	152..154	Adjust the PWM to 602Hz
		60.7 - 61.1%	155..156	Adjust the PWM to 603Hz
		61.5 - 62.3%	157..159	Adjust the PWM to 604Hz
		62.7 - 63.1%	160..161	Adjust the PWM to 605Hz

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		63.5 - 64.3%	162..164	Adjust the PWM to 606Hz
		64.7 - 65.4%	165..167	Adjust the PWM to 607Hz
		65.8 - 66.2%	168..169	Adjust the PWM to 608Hz
		66.6 - 67.4%	170..172	Adjust the PWM to 609Hz
		67.8 - 68.2%	173..174	Adjust the PWM to 610Hz
		68.6 - 69.4%	175..177	Adjust the PWM to 611Hz
		69.8 - 70.2%	178..179	Adjust the PWM to 612Hz
		70.5 - 71.3%	180..182	Adjust the PWM to 613Hz
		71.7 - 72.5%	183..185	Adjust the PWM to 614Hz
		72.9 - 73.3%	186..187	Adjust the PWM to 615Hz
		73.7 - 74.5%	188..190	Adjust the PWM to 616Hz
		74.9 - 75.2%	191..192	Adjust the PWM to 617Hz
		75.6 - 76%	193..194	Adjust the PWM to 618Hz
		76.4 - 77.2%	195..197	Adjust the PWM to 1200Hz
		77.6 - 78.4%	198..200	Adjust the PWM to 2400Hz
	No Function	79 - 97%	201..247	
	Reset all fixtures (Hold for more than 3 seconds)	97.5 - 100%	248..255	

Mode 2

## German Light Products

<u>Ch</u>	<u>Function</u>	<u>Description</u>	<u>% Range</u>	<u>DMX</u>	<u>Comments</u>
1	Fan	Stop	0 - 1.1%	0..3	-
		NORM Forward	1.5 - 50%	4..128	-
		Stop	50 - 51%	129..132	-
		NORM Reversal	52 - 100%	133..255	
2	Dimmer	Intensity control for set 1 pixels	0 - 100%	0..255	Intensity for Fixture 1 only
3	Shutter	Shutter Closed	0 - 5.5%	0..15	
		Random strobe - Slow to Fast	6 - 18.5%	16..47	
		Fade on, Snap off, Random - Slow to Fast	19 - 31%	48..79	
		Snap on, Fade off, Random - Slow to Fast	32 - 43%	80..111	
		Fade on, Fade off, Random - Slow to Fast	44 - 56%	112..143	
		Strobe with b/o pause	63 - 77%	144..199	
		Strobe - Slow to Fast	78 - 94%	200..239	
		Shutter Open	95 - 100%	239..255	
4	Color top	No effect	0 - 2.5%	0..7	Colors determined via RGB channels
		Red	3 - 5.5%	8..15	
		Amber	6 - 8.5%	16..23	
		Warm Yellow	9 - 12.5%	24..31	
		Yellow	13 - 15.5%	32..39	
		Green	16 - 18.5%	40..47	
		Turquoise	19 - 21.5%	48..55	
		Cyan	22 - 24.5%	56..63	
		Blue	25 - 27.5%	64..71	
		Lavender	28 - 30.5%	72..79	
		Mauve	31 - 34.5%	80..87	

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		Magenta	35 - 37.5%	88..95	
		Pink	38 - 40.5%	96..103	
		CTC 3200K	41 - 43.5%	104..111	
		CTC 5600K	44 - 46.5%	112..119	
		CTC 7200K	47 - 49.5%	120..127	
		Rainbow Effect - Stop	50%	128	
		Rainbow Effect - Slow to Fast	51 - 88%	129..223	
		Random Colors - Slow to Fast	89 - 100%	224..255	
5	Red top	Red top Intensity	0 - 100%	0..255	
6	Green top	Green top Intensity	0 - 100%	0..255	
7	Blue top	Blue top Intensity	0 - 100%	0..255	
8	Color central	No effect	0 - 2.5%	0..7	Colors determined via RGB channels
		Red	3 - 5.5%	8..15	
		Amber	6 - 8.5%	16..23	
		Warm Yellow	9 - 12.5%	24..31	
		Yellow	13 - 15.5%	32..39	
		Green	16 - 18.5%	40..47	
		Turquoise	19 - 21.5%	48..55	
		Cyan	22 - 24.5%	56..63	
		Blue	25 - 27.5%	64..71	
		Lavender	28 - 30.5%	72..79	
		Mauve	31 - 34.5%	80..87	
		Magenta	35 - 37.5%	88..95	
		Pink	38 - 40.5%	96..103	
		CTC 3200K	41 - 43.5%	104..111	
		CTC 5600K	44 - 46.5%	112..119	
		CTC 7200K	47 - 49.5%	120..127	

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		Rainbow Effect - Stop	50%	128	
		Rainbow Effect - Slow to Fast	51 - 88%	129..223	
		Random Colors - Slow to Fast	89 - 100%	224..255	
9	Red central	Red central Intensity	0 - 100%	0..255	
10	Green central	Green central Intensity	0 - 100%	0..255	
11	Blue central	Blue central Intensity	0 - 100%	0..255	
12	Color bottom	No effect	0 - 2.5%	0..7	Colors determined via RGB channels
		Red	3 - 5.5%	8..15	
		Amber	6 - 8.5%	16..23	
		Warm Yellow	9 - 12.5%	24..31	
		Yellow	13 - 15.5%	32..39	
		Green	16 - 18.5%	40..47	
		Turquoise	19 - 21.5%	48..55	
		Cyan	22 - 24.5%	56..63	
		Blue	25 - 27.5%	64..71	
		Lavender	28 - 30.5%	72..79	
		Mauve	31 - 34.5%	80..87	
		Magenta	35 - 37.5%	88..95	
		Pink	38 - 40.5%	96..103	
		CTC 3200K	41 - 43.5%	104..111	
		CTC 5600K	44 - 46.5%	112..119	
		CTC 7200K	47 - 49.5%	120..127	
		Rainbow Effect - Stop	50%	128	
		Rainbow Effect - Slow to Fast	51 - 88%	129..223	



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		Random Colors - Slow to Fast	89 - 100%	224..255	
13	Red bottom	Red bottom Intensity	0 - 100%	0..255	
14	Green bottom	Green bottom Intensity	0 - 100%	0..255	
15	Blue bottom	Blue bottom Intensity	0 - 100%	0..255	
16	Special / Control (All fixtures)	No Function	0 - 19.5%	0..50	
		No Function	20 - 25%	51..64	
		No Function	25.5 - 38.5%	65..99	
		Change PWM Frequency (Hold value for more than 3 second)	39.2 - 40%	100..102	Adjust the PWM to 582Hz
			40.3 - 41.1%	103..105	Adjust the PWM to 583Hz
			41.5 - 41.9%	106..107	Adjust the PWM to 584Hz
			42.3 - 43.1%	108..110	Adjust the PWM to 585Hz
			43.5 - 43.9%	111..112	Adjust the PWM to 586Hz
			44.3 - 45.1%	113..115	Adjust the PWM to 587Hz
			45.4 - 46.2%	116..118	Adjust the PWM to 588Hz
			46.6 - 47%	119..120	Adjust the PWM to 589Hz
			47.4 - 48.2%	121..123	Adjust the PWM to 590Hz
			48.6 - 49%	124..125	Adjust the PWM to 591Hz
			49.4 - 50.2%	126..128	Adjust the PWM to 592Hz

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		50.5 - 59.9%	129..130	Adjust the PWM to 593Hz
		51.3 - 52.1%	131..133	Adjust the PWM to 594Hz
		52.5 - 35.3%	134..136	Adjust the PWM to 595Hz
		53.7 - 54.1%	137..138	Adjust the PWM to 596Hz
		54.5 - 55.2%	139..141	Adjust the PWM to 597Hz
		55.6 - 56%	142..143	Adjust the PWM to 598Hz
		56.4 - 57.2%	144..146	Adjust the PWM to 599Hz
		57.6 - 58.4%	147..149	Adjust the PWM to 600Hz
		58.8 - 59.2%	150..151	Adjust the PWM to 601Hz
		59.6 - 60.3%	152..154	Adjust the PWM to 602Hz
		60.7 - 61.1%	155..156	Adjust the PWM to 603Hz
		61.5 - 62.3%	157..159	Adjust the PWM to 604Hz
		62.7 - 63.1%	160..161	Adjust the PWM to 605Hz
		63.5 - 64.3%	162..164	Adjust the PWM to 606Hz
		64.7 - 65.4%	165..167	Adjust the PWM to 607Hz
		65.8 - 66.2%	168..169	Adjust the PWM to 608Hz
		66.6 - 67.4%	170..172	Adjust the PWM to 609Hz
		67.8 - 68.2%	173..174	Adjust the PWM to 610Hz

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		68.6 - 69.4%	175..177	Adjust the PWM to 611Hz
		69.8 - 70.2%	178..179	Adjust the PWM to 612Hz
		70.5 - 71.3%	180..182	Adjust the PWM to 613Hz
		71.7 - 72.5%	183..185	Adjust the PWM to 614Hz
		72.9 - 73.3%	186..187	Adjust the PWM to 615Hz
		73.7 - 74.5%	188..190	Adjust the PWM to 616Hz
		74.9 - 75.2%	191..192	Adjust the PWM to 617Hz
		75.6 - 76%	193..194	Adjust the PWM to 618Hz
		76.4 - 77.2%	195..197	Adjust the PWM to 1200Hz
		77.6 - 78.4%	198..200	Adjust the PWM to 2400Hz
	No Function	79 - 97%	201..247	
	Reset all fixtures (Hold for more than 3 seconds)	97.5 - 100%	248..255	