

# impression<sup>®</sup> *Meisterstück*

## DMX Channel Sheet



from Software Version 1.05  
(Manual Version 1.01)



**GERMAN LIGHT  
PRODUCTS**

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**DMX Channel Sheet****Normal-Mode 16 DMX channels**

Channel	Function	Time and Value	DMX	HEX	%	
<b>1) PAN-coarse</b>	0 .. 660°		0..255	00..FF	0..100	
<b>2) PAN-fine</b>	High- Pos ... High- Pos + 2,6°(16 Bit)		0..255	00..FF	0..100	
<b>3) Tilt-coarse</b>	0 .. 300°		0..255	00..FF	0..100	
<b>4) Tilt-fine</b>	High- Pos ... High- Pos + 1,2°(16 Bit)		0..255	00..FF	0..100	
<b>5) Color (fixed)</b>	Colors adjustable via RGB		0..3	00..03	1	
	Color 01 - Red <sup>1)</sup>		4..7	04..0B	2	
	Color 02 - Amber <sup>1)</sup>		8..11	0C..0F	4	
	Color 03 - Warm Yellow <sup>1)</sup>		12..15	10..13	5	
	Color 04 - Yellow <sup>1)</sup>		16..19	14..17	7	
	Color 05 - Green <sup>1)</sup>		20..23	18..1B	8	
	Color 06 - Turquoise <sup>1)</sup>		24..27	1C..1F	10	
	Color 07 - Cyan <sup>1)</sup>		28..31	20..23	11	
	Color 08 - Blue <sup>1)</sup>		32..35	24..27	13	
	Color 09 - Lavender <sup>1)</sup>		36..39	28..2B	15	
	Color 10 - Mauve <sup>1)</sup>		40..43	2C..2F	16	
	Color 11 - Magenta <sup>1)</sup>		44..47	30..33	18	
	Color 12 - Pink <sup>1)</sup>		48..51	34..37	19	
	White - CTO	Color temperature 3200K		52..55	38..3B	21
	White	Color temperature 5600K		56..59	3C..3F	22
	White - CTB	Color temperature 7200K		60..63	40..43	24
	Colored Quartet 1			64..67	44..47	26
	Colored Quartet 2			68..71	4C..4F	27
	Colored Quartet 3			72..75	48..4B	29
	Colored Quartet 4			76..79	4C..4F	30
	Colored Quartet 5			80..83	50..53	32
	Colored Quartet 6			84..87	54..57	33
	Colored Quartet 7			88..91	58..5B	35
	Colored Quartet 8			92..95	5C..5F	37
	Colored Quartet 9			96..99	60..63	38
	Colored Quartet 10			100..103	64..67	40
Colored Quartet 11			104..107	68..6B	41	
Colored Quartet 12			108..111	6C..6F	43	
Colored Quartet 13			112..115	70..73	44	
Colored Quartet 14			116..119	74..77	46	
Colored Quartet 15			120..123	78..7B	47	
Colored Quartet 16			124..127	7C..7F	49	
Rainbow Effect Stop <sup>2)</sup>			128	80	50	
Rainbow Effect <sup>3)</sup>	slow - fast		129..223	81..DF	51..88	
Rainbow Effect, random colors	slow - fast		224..255	E=..FF	89..100	
<b>6) Red</b>	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100	
<b>7) Green</b>	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100	
<b>8) Blue</b>	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100	
<b>9) White</b>	Color mixing system - White	0 - 100%	0..255	00..FF	0..100	
<b>10) Shutter</b>	Shutter closed		0..15	00..0F	0..5,5	
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5	

Channel	Function	Time and Value	DMX	HEX	%	
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31	
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43	
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56	
	Strobe effect pause	5s to 1s	144..199	90..C7	57..77	
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94	
	Shutter open		240..255	F0..FF	95..100	
<b>11) Dimmer</b>	Dimmer	0% - 100%	0..255	0..FF	0..100	
<b>12) Color temperature</b>	No color temperature correction		0..6	0..06	0..2	
	Continuous color temperature correction between 3200k - 7200k		7..255	07..FF	3..100	
<b>13) Zoom</b>	Zoom 9° - 33° (Micro Fresnel Lens) Zoom 10° - 34° (Fresnel Lens)	0% - 100%	0..255	0..FF	0..100	
<b>14) Special</b>	Spezial		0..31	0..1F	0..12	
	Colored Quartet 1 blinking	slow - fast	32..47	20..2F	13..18	
	Colored Quartet 2 blinking	slow - fast	48..63	30..3F	19..24	
	Colored Quartet 3 blinking	slow - fast	64..79	40..4F	25..30	
	Colored Quartet 4 blinking	slow - fast	80..95	50..5F	31..37	
	Colored Quartet 5 blinking	slow - fast	96..111	60..6F	38..43	
	Colored Quartet 6 blinking	slow - fast	112..127	70..7F	44..49	
	Colored Quartet 7 rotate	slow - fast	128..143	80..8F	50..56	
	Colored Quartet 8 rotate	slow - fast	144..159	90..9F	57..62	
	Colored Quartet 9 rotate	slow - fast	160..175	A0..AF	63..68	
	Colored Quartet 10 rotate	slow - fast	176..191	B0..BF	69..74	
	Colored Quartet 11 rotate	slow - fast	192..207	C0..CF	75..81	
	Colored Quartet 12 rotate	slow - fast	208..223	D0..DF	82..87	
	Fan min. as long as temp. < 90°C		224..229	E0..E5	88..89,5	
	<b>RESET (Normal Mode)</b>			<b>250..255</b>	<b>FA..FF</b>	<b>98..100</b>
<b>15) Movement</b>	<b>No movement</b>		0	00	0	
	<b>Movement</b>	<b>Size</b>	<b>Phase</b>			
	PAN	1	0°	01..01	01..01	0,5
		1	90°	02..03	02..03	1,0
		1	180°	04..05	04..05	1,7
		1	270°	06..07	06..07	2,5
	PAN	2	0°	08..09	08..09	3,3
		2	90°	10..11	0A..0B	4,1
		2	180°	12..13	0C..0D	4,9
		2	270°	14..15	0E..0F	5,7
	PAN	3	0°	16..17	11..11	6,5
		3	90°	18..19	12..13	7,3
		3	180°	20..21	14..15	8,0
		3	270°	22..23	16..17	8,8
	PAN	4	0°	24..25	18..19	9,6
		4	90°	26..27	1A..1B	10,4
		4	180°	28..29	1C..1D	11,2
		4	270°	30..31	1E..1F	12
	TILT	size / phase see also PAN		32..63	20..3F	13..25
	PAN / TILT	size / phase see also PAN		64..95	40..5F	26..37
	PAN / TILT (inverse)	size / phase see also PAN		96..127	60..7F	38..50
Circle	size / phase see also PAN		128..159	80..9F	51..62	
Circle (inverse)	size / phase see also PAN		160..191	A0..BF	63..75	
Lying eight	size / phase see also PAN		192..223	C0..DF	76..87	

Channel	Function	Time and Value	DMX	HEX	%
	Random movement	size see also PAN	224..255	E0..FF	88..100
16) Speed Pan/Tilt	Pan/Tilt relative movement		0..15	00..0F	0..6
	Pan/Tilt slow – fast Use this channel 14) also for the speed of the movements (channel 13).	Pan Min. 660° = 200s Pan Max. 660° Tilt Min. 300° = 110s Tilt Max. 300°	16..255	10..FF	7..100

### Compress-Mode 12 DMX channels

Channel	Function	Time and Value	DMX	HEX	%	
1) PAN-coarse	0 .. 660°		0..255	00..FF	0..100	
2) PAN-fine	High- Pos ... High- Pos + 2,6° (16 Bit)		0..255	00..FF	0..100	
3) Tilt-coarse	0 .. 300°		0..255	00..FF	0..100	
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)		0..255	00..FF	0..100	
5) Color (fixed)	Colors adjustable via RGB		0..3	00..03	1	
	Color 01 - Red <sup>1)</sup>		4..7	04..0B	2	
	Color 02 - Amber <sup>1)</sup>		8..11	0C..0F	4	
	Color 03 - Warm Yellow <sup>1)</sup>		12..15	10..13	5	
	Color 04 - Yellow <sup>1)</sup>		16..19	14..17	7	
	Color 05 - Green <sup>1)</sup>		20..23	18..1B	8	
	Color 06 - Turquoise <sup>1)</sup>		24..27	1C..1F	10	
	Color 07 - Cyan <sup>1)</sup>		28..31	20..23	11	
	Color 08 - Blue <sup>1)</sup>		32..35	24..27	13	
	Color 09 - Lavender <sup>1)</sup>		36..39	28..2B	15	
	Color 10 - Mauve <sup>1)</sup>		40..43	2C..2F	16	
	Color 11 - Magenta <sup>1)</sup>		44..47	30..33	18	
	Color 12 - Pink <sup>1)</sup>		48..51	34..37	19	
	White - CTO	Color temperature 3200K		52..55	38..3B	21
	White	Color temperature 5600K		56..59	3C..3F	22
	White - CTB	Color temperature 7200K		60..63	40..43	24
	Colored Quartet 1			64..67	44..47	26
	Colored Quartet 2			68..71	4C..4F	27
	Colored Quartet 3			72..75	48..4B	29
	Colored Quartet 4			76..79	4C..4F	30
	Colored Quartet 5			80..83	50..53	32
	Colored Quartet 6			84..87	54..57	33
	Colored Quartet 7			88..91	58..5B	35
	Colored Quartet 8			92..95	5C..5F	37
	Colored Quartet 9			96..99	60..63	38
	Colored Quartet 10			100..103	64..67	40
	Colored Quartet 11			104..107	68..6B	41
	Colored Quartet 12			108..111	6C..6F	43
	Colored Quartet 13			112..115	70..73	44
	Colored Quartet 14			116..119	74..77	46
Colored Quartet 15			120..123	78..7B	47	
Colored Quartet 16			124..127	7C..7F	49	
Rainbow Effect Stop <sup>2)</sup>			128	80	50	
Rainbow Effect <sup>3)</sup>	slow - fast		129..223	81..DF	51..88	
Rainbow Effect, random colors	slow - fast		224..255	E=..FF	89..100	

Channel	Function	Time and Value	DMX	HEX	%
6) Red	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100
7) Green	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100
8) Blue	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100
9) White	Color mixing system - White	0 - 100%	0..255	00..FF	0..100
10) Shutter	Shutter closed		0..15	00..0F	0..5,5
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56
	Strobe effect pause	5s to 1s	144..199	90..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open		240..249	F0..F9	95..97,5
	<b>RESET</b>	<b>Min. 3 Sec.</b>	<b>250</b>	<b>FA</b>	<b>98</b>
	Shutter open		251..255	FB..FF	99..100
11) Dimmer	Dimmer (0% - 100%)	0% - 100%	0..255	0..FF	0..100
12) Zoom	Zoom 9° - 33° (Micro Fresnel Lens)	0% - 100%	0..255	0..FF	0..100
	Zoom 10° - 34° (Fresnel Lens)				

### High Resolution (Extended) -Mode 16 DMX Channels

Channel	Function	Time and Value	DMX	HEX	%
1) PAN-coarse	0 .. 660°		0..255	00..FF	0..100
2) PAN-fine	High- Pos ... High- Pos + 2,6° (16 Bit)		0..255	00..FF	0..100
3) Tilt-coarse	0 .. 300°		0..255	00..FF	0..100
4) Tilt-fine	High- Pos ... High- Pos + 1,2° (16 Bit)		0..255	00..FF	0..100
5) Red-coarse	Color mixing system – Red	0 - 100%	0..255	00..FF	0..100
6) Red-fine	Color mixing system – Red-Low		0..255	00..FF	0..100
7) Green-coarse	Color mixing system – Green	0 - 100%	0..255	00..FF	0..100
8) Green-fine	Color mixing system – Green-Low		0..255	00..FF	0..100
9) Blue-coarse	Color mixing system – Blue	0 - 100%	0..255	00..FF	0..100
10) Blue-fine	Color mixing system – Blue-Low		0..255	00..FF	0..100
11) White-coarse	Color mixing system – White	0 - 100%	0..255	00..FF	0..100
12) White-fine	Color mixing system – White-Low				
13) Shutter	Shutter closed		0..15	00..0F	0..5,5
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43

Channel	Function	Time and Value	DMX	HEX	%
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56
	Strobe effect pause	5s to 1s	144..199	90..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open		240...249	F0..F9	95..97,5
	<b>RESET</b>	<b>Min. 3 Sec.</b>	<b>250</b>	<b>FA</b>	<b>98</b>
	Shutter open		251..255	FB..FF	99..100
<b>14) Dimmer-coarse</b>	Dimmer	0% - 100%	0..255	0..FF	0..100
<b>15) Dimmer-fine</b>	Dimmer - Low		0..255	0..FF	0..100
<b>16) Zoom</b>	Zoom 9° - 33°(Micro Fresnel Lens) Zoom 10° - 34°(Fresnel Lens)	0% - 100%	0..255	0..FF	0..100

### Super Extended Mode 23 DMX Kanäle

Kanal	Funktion	Zeiten und Werte	DMX	HEX	%
<b>1) PAN-coarse</b>	0 .. 660°		0..255	00..FF	0..100
<b>2) PAN-fine</b>	High- Pos ... High- Pos + 2,6°(16 Bit)		0..255	00..FF	0..100
<b>3) Tilt-coarse</b>	0 .. 300°		0..255	00..FF	0..100
<b>4) Tilt-fine</b>	High- Pos ... High- Pos + 1,2°(16 Bit)		0..255	00..FF	0..100
<b>5) Red 1</b>	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100
<b>6) Green 1</b>	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100
<b>7) Blue 1</b>	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100
<b>8) White 1</b>	Color mixing system - White	0 - 100%	0..255	00..FF	0..100
<b>9) Red 2</b>	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100
<b>10) Green 2</b>	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100
<b>11) Blue 2</b>	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100
<b>12) White 2</b>	Color mixing system - White	0 - 100%	0..255	00..FF	0..100
<b>13) Red 3</b>	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100
<b>14) Green 3</b>	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100
<b>15) Blue 3</b>	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100
<b>16) White 3</b>	Color mixing system - White	0 - 100%	0..255	00..FF	0..100
<b>17) Red 4</b>	Color mixing system - Red	0 - 100%	0..255	00..FF	0..100
<b>18) Green 4</b>	Color mixing system - Green	0 - 100%	0..255	00..FF	0..100
<b>19) Blue 4</b>	Color mixing system - Blue	0 - 100%	0..255	00..FF	0..100
<b>20) White 4</b>	Color mixing system - White	0 - 100%	0..255	00..FF	0..100
<b>21) Shutter</b>	Shutter closed		0..15	00..0F	0..5,5
	Random Pulse effect	slow - fast	16..47	10..2F	6..18,5
	Up-dimming then Shutter closing (random patterns)	slow - fast	48..79	30..4F	19..31,5
	Shutter open then down-dimming (random patterns)	slow - fast	80..111	50..6F	32..43
	Up-dimming then down-dimming (random patterns)	slow - fast	112..143	70..8F	44..56
	Strobe effect pause	5s to 1s	144..199	90..C7	57..77
	Strobe effect, slow - fast	1 Hz .. 10 Hz	200..239	C8..EF	78..94
	Shutter open		240...249	F0..F9	95..97,5
	<b>RESET</b>	<b>Min. 3 Sec.</b>	<b>250</b>	<b>FA</b>	<b>98</b>
	Shutter open		251..255	FB..FF	99..100

Kanal	Funktion	Zeiten und Werte	DMX	HEX	%
22) Dimmer	Dimmer	(0% - 100%)	0..255	0..FF	0..100
23) Zoom	Zoom 9° - 33° (Micro Fresnel Lens) Zoom 10° - 34° (Fresnel Lens)	0% - 100%	0..255	0..FF	0..100

<sup>1)</sup> The predefined colors can be used as start-colors for the Rainbow effect. Please select first a desired start-color before you activate the rainbow effect. All **Impression Meisterstück** will afterwards start from that color and will execute the rainbow effect synchronously. Different **Impression Meisterstück** can certainly have different start-colors but will still execute the rainbow effect synchronously. If you choose a color different from the once marked with <sup>1)</sup> in the tables above the rainbow start-color will be red.

<sup>2)</sup> Rainbow-effect Stop will pause this function. After resuming the rainbow-effect will be continued with the current color.

<sup>3)</sup> The Rainbow-effect will run synchronously only if it will be started going out from one of the predefined colors (see also <sup>1)</sup> before).

### Additional Display Indications

As a default you'll find the following additional information in the first row of the LCD display:

XX/X/XX



