

impression[®]
X4S

DMX Layout



CW / WW Version



— since 1994 —

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1 DMX Channel Selection (DMX Protocol)

Normal-Mode 20 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) CTO	No CTO		0..7	00..07	0..2,5	
	Continuous color temperature correction	Applicable for ALL colors	8..255	08..FF	3..100	
6) Cold White	Mixing system – Cold White	0 - 100%	0..255	00..FF	0..100	
7) Warm White	Mixing system – Warm White	0 - 100%	0..255	00..FF	0..100	
8) Shutter	Shutter closed		0..15	00..0F	0..5,5	
	Shutter pulse random	slow – fast	16..47	10..2F	6..18,5	
	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 - 0,1s	160..199	A0..C7	63..77	
	Strobe effect slow - fast	1 Hz - 10 Hz	200..239	C8..EF	78..94	
	Shutter open		240..255	F0..FF	95..100	
9) Dimmer	Dimmer	0 - 100%	0..255	0..FF	0..100	
10) Special	Change PWM frequency		100..200	64..C8	40..78	
	RESET		250..255	FA..FF	98..100	
11) Movement macros	No macros		0	00	0	
	Movement	Size	Phase	Use "Speed" to adjust		
	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	

Channel	Function	Time and Value	DMX	HEX	%
	4	270°	30..31	1E..1F	12
	TILT	size / phase see PAN	32..63	20..3F	13..25
	PAN / TILT	size / phase see PAN	64..95	40..5F	26..37
	PAN / TILT (inverse)	size / phase see PAN	96..127	60..7F	38..50
	Circle	size / phase see PAN	128..159	80..9F	51..62
	Circle (inverse)	size / phase see PAN	160..191	A0..BF	63..75
	Lying eight	size / phase see PAN	192..223	C0..DF	76..87
	Random movement	size / phase see PAN	224..255	E0..FF	88..100
12) Speed Pan / Tilt	Pan/Tilt movement speed from controller		0..1	00..01	0..0,5
	Pan/Tilt slow – fast Use this channel also for the speed of the movements (channel 14).		02..255	02..FF	1..100
13) Zoom	Wide - narrow (spot)		0...255	00...FF	0...100
14) Pattern	No pattern		0..2	00..02	0..1
	50 pre-defined patterns (see appendix A)		03..253	03..FD	2..99
	Activates direct access to LED Pattern See channels 18-20		254..255	FE..FF	100
15) Pattern Byte 1	Direct access to Pattern of LED 1..8		0...255	00...FF	0...100

Locking and unlocking the Control Panel

Please lock and unlock the control panel by pressing the menu keys MODE & ENTER & UP at the same time.

Additional Display Indications

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

Vxx/xx/xx/xx/x

