

**ZONDA 9 FX (From Software V113B)**  
**DMX channel's functions and their values (199DMX channels)**

X9 Mode/Channel			Value	Function
BASIC	STAND	EXTEND		
1	1	1		<b>PAN Movement 8bit:</b>
			0-255	Pan Movement
2	2	2		<b>Pan Fine 16bit:</b>
			0-255	Fine control of Pan movement
3	3	3		<b>TILT Movement 8bit :</b>
			0-255	Tilt Movement
4	4	4		<b>Tilt Fine 16bit:</b>
			0-255	Fine control of Tilt movement
5	5	5		<b>Speed Pan/Tilt movement:</b>
			0-225	max to min speed
			226-235	blackout by movement
			236-255	store dimmer enabled
6	6	6		<b>Pan Motor continuous rotation:</b>
			0-63	stop rotation by spinout
			64-127	stop rotation by shortcut
			128-189	Forwards Pan rotation from fast to slow
			190-193	No rotation
			194-255	Backwards Pan rotation from slow to fast
7	7	7		<b>Tilt Motor continuous rotation:</b>
			0-63	stop rotation by spinout
			64-127	stop rotation by shortcut
			128-189	Forwards Tilt rotation from fast to slow
			190-193	No rotation
			194-255	Backwards Tilt rotation from slow to fast
8	8	8		<b>Red LED -all arrays / Background color when Chase ON :</b>
			0-255	Red ( 0-Black , 255-100% Red )
9	9	9		<b>Red fine LED -all arrays / Background color when Chase ON :</b>
			0-255	Red fine ( 0-Black , 255-100% Red )
10	10	10		<b>Green LED -all arrays / Background color when Chase ON :</b>
			0-255	Green ( 0-Black , 255-100% Green )
11	11	11		<b>Green fine LED -all arrays / Background color when Chase ON:</b>
			0-255	Green fine ( 0-Black , 255-100% Green )
12	12	12		<b>Blue LED -all arrays / Background color when Chase ON:</b>
			0-255	Blue ( 0-Black , 255-100% Blue )
13	13	13		<b>Blue fine LED -all arrays / Background color when Chase ON:</b>
			0-255	Blue fine ( 0-Black , 255-100% Blue )
14	14	14		<b>White LED -all arrays / Background color when Chase ON:</b>
			0-255	White ( 0-Black , 255-100% White )
15	15	15		<b>White fine LED -all arrays / Background color when Chase ON:</b>
			0-255	White fine ( 0-Black , 255-100% White )
16	16	16		<b>Shutter, strobe:</b>
			0-31	Led trun off
			32-63	Led turn on
			64-95	Strobe effect slow to fast
			96-127	Led turn on
			128-159	Pulse-effect in sequences
			160-191	Led turn on
			192-223	Random strobe effect slow to fast
			224-255	Led turn on
			17	17
0-255	Intensity 0 to 100%			
18	18	18		<b>Dimmer fine intensity:</b>
			0-255	Intensity fine 0 to 100%
19	19	19		<b>Linear CTO from 8000 to 2700K:</b>
			0-21	No function
			22-42	8000K
			43-63	7500K
			64-84	7000K
			85-105	6500K
			106-126	6000K
			127-147	5500K
			148-168	5000K
			169-189	4500K
			190-210	4000K
			211-231	3500K
			232-255	2500K
			20	20
0-205	See Appendix			
21	21	21		<b>Color Preset / RGBW cross fade:</b>
			0	Output controlled by RGBW values
			1-254	Cross fade between RGBW settings and Color preset channel
			255	Output controlled by color preset values

22	22	22		<b>Between Color Preset cross fade:</b>
			0-4	no fade
23	23	23	4-255	Cross fade between 2 color presets from 100ms to 5sec
				<b>Zoom :</b>
24	24	24	0-255	Zoom adjustment
				<b>Zoom Fine :</b>
25	25	25	0-255	Fine control for Zoom adjustment
				<b>Reserved channel:</b>
26	26	26	0-255	Reserved
				<b>Reset, internal programs:</b>
			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
			55-57	1.2K
			58-60	2.4K
			61-63	16K
			64-69	25K
			70-71	Tungsten lamp simulation 500W
			72-73	Tungsten lamp simulation 1000W
			74-75	Tungsten lamp simulation 2500W
			76-77	Tungsten lamp simulation 5000W
			78-79	Tungsten lamp simulation off
			80-84	All motor reset
85-87	P/T motor reset			
88-90	Zoom motor reset			
91-93	Edit a new dimmer			
94-96	Store a new dimmer			
97-99	Recover dimmer			
100-255	Reserved			
	27	27		<b>Main LED Chase Patterns:</b>
			0-9	Chase OFF
			10-14	Chase 1
			15-19	Chase 2
			20-24	Chase 3
			25-29	Chase 4
			30-34	Chase 5
			35-39	Chase 6
			40-44	fix Chase
45-255	Reserved			
	28	28		<b>Main LED Chase Speed:</b>
			0-125	Fast to Slow Backward
			126-130	Stop(Speed=0)
			131-255	Slow to Fast Forward
	29	29		<b>Main LED Chase Fade:</b>
			0-255	Fade Chase
	30	30		<b>Main LED Chase Size:</b>
			0-255	chase category
	31	31		<b>Red Chase color:</b>
			0-255	Red ( 0-Black , 255-100% Red )
	32	32		<b>Green Chase color:</b>
			0-255	Green ( 0-Black , 255-100% Green)
	33	33		<b>Blue Chase color:</b>
			0-255	Blue ( 0-Black , 255-100% Blue )
	34	34		<b>White Chase color:</b>
			0-255	Blue ( 0-Black , 255-100% White )
	35	35		<b>Dimmer Chase:</b>
			0-255	Intensity ( 0-Black , 255-100% )
	36	36		<b>Dimmer background Chase: inverted disabled when chase OFF</b>
			0-255	Intensity ( 0-100% , 255-0% )

			<b>Chase_strobe:</b>
			0-31 Led turn off
			32-63 Led turn on
			64-95 Strobe effect slow to fast
			96-127 Led turn on
			128-159 Pulse-effect in sequences
			160-191 Led turn on
			192-223 Random strobe effect slow to fast
			224-255 Led turn on
			<b>Zonda Effect control:</b>
			0-9 react to Zonda effect Chase (turn on liquid effects)
			10-19 react to MAIN LED (take the color of the closest main LED, include CTO&CP&Tungsten EFX)
			20-29 react to ARTNET OR SACN
			30-255 reserved
			<b>Zonda Effect Dimmer intensity:</b>
			0-255 Intensity 0 to 100%
			<b>Zonda Effect Dimmer intensity fine:</b>
			0-255 Intensity fine 0 to 100%
			<b>Zonda effect Red color:</b>
			0-255 Red ( 0-Black , 255-100% Red )
			<b>Zonda Effect Green color:</b>
			0-255 Green ( 0-Black , 255-100% Green )
			<b>Zonda Effect Blue color:</b>
			0-255 Blue ( 0-Black , 255-100% Blue )
			<b>Zonda Effect Chase Patterns:</b>
			0-9 off
			10 effect 1
			... ..
			255 effect 245
			<b>Reserved channel:</b>
			0-255 Reserved for effect chase
			<b>Zonda Effect Chase Speed:</b>
			0-125 Fast to Slow Backward
			126-130 Stop(Speed=0)
			131-255 Slow to Fast Forward
			<b>Zonda background effect Dimmer intensity:</b>
			0-255 Intensity 0 to 100%
			<b>Zonda background effect Red color:</b>
			0-255 Red ( 0-Black , 255-100% Red )
			<b>Zonda background Effect Green color:</b>
			0-255 Green ( 0-Black , 255-100% Green )
			<b>Zonda background Effect Blue color:</b>
			0-255 Blue ( 0-Black , 255-100% Blue )
			<b>Cross fade to PIXEL mode:</b>
			0-255 from RGBW control to PIXEL control
			<b>Red LED -array 1 :</b>
			0-255 Red ( 0-Black , 255-100% Red )
			<b>Green LED-array 1 :</b>
			0-255 Green ( 0-Black , 255-100% Green )
			<b>Blue LED -array 1 :</b>
			0-255 Blue ( 0-Black , 255-100% Blue )
			<b>White LED -array 1 :</b>
			0-255 White ( 0-Black , 255-100% White )
			<b>Red LED -array 2 :</b>
			0-255 Red ( 0-Black , 255-100% Red )
			<b>Green LED-array 2 :</b>
			0-255 Green ( 0-Black , 255-100% Green )
			<b>Blue LED -array 2 :</b>
			0-255 Blue ( 0-Black , 255-100% Blue )
			<b>White LED -array 2 :</b>
			0-255 White ( 0-Black , 255-100% White )
			.....
			<b>Red LED -array 37 :</b>
			0-255 Red ( 0-Black , 255-100% Red )
			<b>Green LED-array 37 :</b>
			0-255 Green ( 0-Black , 255-100% Green )
			<b>Blue LED -array 37 :</b>
			0-255 Blue ( 0-Black , 255-100% Blue )
			<b>White LED -array 37:</b>
			0-255 White ( 0-Black , 255-100% White )



