



# AYRTRON

## ZONDA 9 FX:

### DMX channel's functions and their values (199DMX channels)

ZONDA 9 FX: Mode/Channel				Value	Function
BASIC	STAND	EXTEND	EXTEND2		
1	1	1	A1		<b>PAN Movement 8bit:</b>
				0-255	Pan Movement
2	2	2	A2		<b>Pan Fine 16bit:</b>
				0-255	Fine control of Pan movement
3	3	3	A3		<b>TILT Movement 8bit :</b>
				0-255	Tilt Movement
4	4	4	A4		<b>Tilt Fine 16bit:</b>
				0-255	Fine control of Tilt movement
5	5	5	A5		<b>Speed Pan/Tilt movement:</b>
				0-225	max to min speed
				226-235	blackout by movement
				236-255	no function
6	6	6	A6		<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	A7		<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	A8		<b>Red LED -all arrays / Background color when Chase ON :</b>
				0-255	Red ( 0-Black , 255-100% Red )
9	9	9	A9		<b>Red fine LED -all arrays / Background color when Chase ON :</b>
				0-255	Red fine ( 0-Black , 255-100% Red )
10	10	10	A10		<b>Green LED -all arrays / Background color when Chase ON :</b>
				0-255	Green ( 0-Black , 255-100% Green )
11	11	11	A11		<b>Green fine LED -all arrays / Background color when Chase ON:</b>
				0-255	Green fine ( 0-Black , 255-100% Green )
12	12	12	A12		<b>Blue LED -all arrays / Background color when Chase ON:</b>
				0-255	Blue ( 0-Black , 255-100% Blue )
13	13	13	A13		<b>Blue fine LED -all arrays / Background color when Chase ON:</b>
				0-255	Blue fine ( 0-Black , 255-100% Blue )
14	14	14	A14		<b>White LED -all arrays / Background color when Chase ON:</b>
				0-255	White ( 0-Black , 255-100% White )
15	15	15	A15		<b>White fine LED -all arrays / Background color when Chase ON:</b>
				0-255	White fine ( 0-Black , 255-100% White )
16	16	16	A16		<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	17	A17		<b>Dimmer intensity:</b>
				0-255	Intensity 0 to 100%
18	18	18	A18		<b>Dimmer fine intensity:</b>
				0-255	Intensity fine 0 to 100%
19	19	19	A19		<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	2700K
20	20	20	A20		<b>Color preset:</b>
				0-255	See Appendix
21	21	21	A21		<b>Color Preset / RGBW cross fade:</b>
				0	Output controled by RGBW values

				1-254	Cross fade between RGBW settings and Color preset channel
				255	Output controlled by color preset values
					<b>Between Color Preset cross fade:</b>
22	22	22	A22	0-4	no fade
				4-255	Cross fade between 2 color presets from 100ms to 5sec
23	23	23	A23		<b>Zoom :</b>
				0-255	Zoom adjustment
24	24	24	A24		<b>Zoom Fine :</b>
				0-255	Fine control for Zoom adjustment
25	25	25	A25		<b>Reserved channel:</b>
				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
26	26	26	A26	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
				91-255	Reserved
					<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	Chase 7
				45-49	Chase 8
				50-54	Chase 9
				55-59	Chase 10
				60-64	Chase 11
				65-69	Chase 12
				70-74	Chase 13
				75-79	Chase 14
				80-84	Chase 15
				85-89	Chase 16
				90-94	Chase 17
				95-99	Chase 18
				100-104	Chase 19
				105-109	Chase 20
				110-255	Reserved
					<b>Main LED Chase Speed:</b>
				0-125	Fast to Slow Backward
				126-130	Stop(Speed=0)
				131-255	Slow to Fast Forward
					<b>Main LED Chase Fade:</b>
				0-255	Fade Chase
					<b>Main LED Chase Size:</b>
				0-255	Reserved, to be defined
					<b>Red Chase color:</b>
				0-255	Red ( 0-Black , 255-100% Red )
					<b>Green Chase color:</b>
				0-255	Green ( 0-Black , 255-100% Green)
					<b>Blue Chase color:</b>
				0-255	Blue ( 0-Black , 255-100% Blue )
					<b>White Chase color:</b>
				0-255	Blue ( 0-Black , 255-100% White )
					<b>Dimmer Chase:</b>
				0-255	Intensity ( 0-Black , 255-100% )
					<b>Dimmer background Chase: inverted disabled when chase OFF</b>
				0-255	Intensity ( 0-100% , 255-0% )
					<b>Chase_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
					<b>Zonda Effect control:</b>
				0-9	No Zonda Effect
				10-19	react to MAIN LED (take the color of the closest main LED, include CTO&CP&lamp)
				20-29	react to RGB Zonda COLOR settings
				30-39	react to Zonda effect Chase (turn on liquid effects)
				40-49	react to Kling-Net or any led mapper (reserved)
				50-255	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 )