

RELATION FUZE WASH 500 DMX TRAITS - BARNDOR MODE

Features subject to change without notice

MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
1	1	1	1	1	1	0-255	PAN Movement 8bit: Pan Movement	127	
2	2	2	2	2	2	0-255	Pan Fine 16bit: Fine control of Pan movement	127	
3	3	3	3	3	3	0-255	TILT Movement 8bit: Tilt Movement	127	
4	4	4	4	4	4	0-255	Tilt Fine 16bit: Fine control of Tilt movement	127	
		5	5			0-255	Cyan: Cyan (0-100% Cyan)	0	
			6			0-255	Cyan Fine: Cyan Fine	0	
		6	7			0-255	Magenta: Magenta (0-100% Magenta)	0	
			8			0-255	Magenta Fine: Magenta Fine	0	
		7	9			0-255	Yellow: Yellow (0-100% Yellow)	0	
			10			0-255	Yellow Fine: Yellow Fine	0	
5	5			5	5	0-255	Red: Red (0-100% Red)	255	
	6				6	0-255	Red Fine: Red Fine	255	
6	7			6	7	0-255	Green: Green (0-100% Green)	255	
	8				8	0-255	Green Fine: Green Fine	255	
7	9			7	9	0-255	Blue: Blue (0-100% Blue)	255	
	10				10	0-255	Blue Fine: Blue Fine	255	
8	11					0-255	Mint: Mint (0-100% Mint)	255	
	12					0-255	Mint Fine: Mint Fine	255	
9	13					0-255	Amber: Amber (0-100% Amber)	255	
	14					0-255	Amber Fine: Amber Fine	255	
10	15	8	11	8	11	0-23	CTO: Open	0	
						24 -85	CTO 2400K-8500K (see separate sheet)		
						86-255	8500K		
11	16	9	12	9	12	0	Color Wheel: Open	0	
						1-60	Virtual Swatch Book (see separate sheet)		
						61-179	Open		
							Color Scroll		
						180-201	Clockwise,fast →slow		
						202-207	Stop		
						208-229	Counter-clockwise,slow → fast		
						230-234	Open		
							Random Slots		
						235-239	Fast		
						240-244	Medium		
						245-249	Slow		
						250-255	Open		

DMX TRAITS - BARNDOOR MODE

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MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
	17		13		13	0	Green Shift: Idle	0	
						1-127	Full Minus Green to Neutral		
						128	Neutral White		
						129-255	Neutral to Full Plus Green		
	18		14		14	0	CTC Crossfade CTO	0	
						1-254	CTO fade to Color Mix		
						255	Color Mix		
12	19	10	15	10	15	0-255	Zoom: Zoom adjustment Narrow - Wide	127	
13	20	11	16	11	16	0-31	Shutter, strobe: Shutter closed	50	X
						32-63	No function (shutter open)		
						64-95	Strobe effect slow to fast		
						96-127	No function (shutter open)		
						128-159	Pulse-effect in sequences		
						160-191	No function (shutter open)		
						192-223	Random strobe effect slow to fast		
						224-255	No function (shutter open)		
14	21	12	17	12	17	0-255	Dimmer: Intensity 0 to 100%	0	
15	22	13	18	13	18	0-255	Dimmer Fine: Dimmer fine	0	
	23		19		19	0-20	Dim Modes Standard	0	X
						21-40	Stage		
						41-60	TV		
						61-80	Architectural		
						81-100	Theatre		
						101-120	Stage 2		
						121	Dimmer Delay Time 0s		
						122	0.1s		
						123	0.2s		
						124	0.3s		
						125	0.4s		
						126	0.5s		
						127	0.6s		
						128	0.7s		
						129	0.8s		
						130	0.9s		
						131	1.0s		
						132	1.5s		
						133	2.0s		
						134	3.0s		
						135	4.0s		
						136	5.0s		
						137	6.0s		
						138	7.0s		
						139	8.0s		
						140	9.0s		
						141	10s		
						142-255	Idle		

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MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
16	24	14	20	14	20	0-255	Barndoor Top Open to Close	0	
17	25	15	21	15	21	0-255	Barndoor Bottom Open to Close	0	
18	26	16	22	16	22	0-255	Barndoor Left Open to Close	0	
19	27	17	23	17	23	0-255	Barndoor Right Open to Close	0	
20	28	18	24	18	24	0-255	Barndoor Index: Min - Max	127	
	29		25		25	0-225	Pan / Tilt and Color Speed: Max to min speed	0	X
						226-235	Blackout by movement		
						236-245	Blackout by all wheel changing		
						246-255	No function		
21	30	19	26	20	26	0-39	Control: Idle	0	X
						40-44	Low Noise - Mute		
						45-49	Low Noise - Studio		
						50-59	Fan Control - Low		
						60-69	Fan Control - High		
						70-79	Fan Control - Auto (Default)		
						80-84	All motor reset		
						85-87	Pan / Tilt reset		
						88-93	Idle		
						94-96	Zoom reset		
						97-99	Accessory Reset		
						100-168	Refresh Rate (Hz)		
						100	900		
						101	910		
						102	920		
						103	930		
						104	940		
						105	950		
						106	960		
						107	970		
						108	980		
						109	990		
						110	1000		
						111	1010		
						112	1020		
						113	1030		
						114	1040		
						115	1050		
						116	1060		
						117	1070		
						118	1080		
						119	1090		
						120	1100		
						121	1110		
						122	1120		
						123	1130		
						124	1140		
						125	1150		

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MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
21	30	19	26	20	26	126	1160	0	X
						127	1170		
						128	1180		
						129	1190		
						130	1200		
						131	1210		
						132	1220		
						133	1230		
						134	1240		
						135	1250		
						136	1260		
						137	1270		
						138	1280		
						139	1290		
						140	1300		
						141	1310		
						142	1320		
						143	1330		
						144	1340		
						145	1350		
						146	1360		
						147	1370		
						148	1380		
						149	1390		
						150	1400		
						151	1410		
						152	1420		
						153	1430		
						154	1440		
						155	1450		
						156	1460		
						157	1470		
						158	1480		
						159	1490		
						160	1500		
						161	2500		
						162	4000		
						163	5000		
						164	6000		
						165	10000		
						166	15000		
						167	20000		
						168	25000		
						169-170	Pan Tilt Speed Slow		
						171-172	Pan Tilt Speed Fast (default)		
						173-174	Zoom Speed Slow		
						175-176	Zoom Speed Fast (default)		
						177-200	Idle		
201-210	Dimmer Curve Linear								
211-220	Dimmer Curve Square								
221-230	Dimmer Curve Inverse Square								
231-240	Dimmer Curve S-Curve (default)								
241-255	Idle								

DMX TRAITS - NO BARNDOR MODE

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MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
1	1	1	1	1	1	0-255	PAN Movement 8bit: Pan Movement	127	
2	2	2	2	2	2	0-255	Pan Fine 16bit: Fine control of Pan movement	127	
3	3	3	3	3	3	0-255	TILT Movement 8bit: Tilt Movement	127	
4	4	4	4	4	4	0-255	Tilt Fine 16bit: Fine control of Tilt movement	127	
		5	5			0-255	Cyan: Cyan (0-100% Cyan)	0	
			6			0-255	Cyan Fine: Cyan Fine	0	
		6	7			0-255	Magenta: Magenta (0-100% Magenta)	0	
			8			0-255	Magenta Fine: Magenta Fine	0	
		7	9			0-255	Yellow: Yellow (0-100% Yellow)	0	
			10			0-255	Yellow Fine: Yellow Fine	0	
5	5			5	5	0-255	Red: Red (0-100% Red)	255	
	6				6	0-255	Red Fine: Red Fine	255	
6	7			6	7	0-255	Green: Green (0-100% Green)	255	
	8				8	0-255	Green Fine: Green Fine	255	
7	9			7	9	0-255	Blue: Blue (0-100% Blue)	255	
	10				10	0-255	Blue Fine: Blue Fine	255	
8	11					0-255	Mint: Mint (0-100% Mint)	255	
	12					0-255	Mint Fine: Mint Fine	255	
9	13					0-255	Amber: Amber (0-100% Amber)	255	
	14					0-255	Amber Fine: Amber Fine	255	
10	15	8	11	8	11	0-23	CTO: Open	0	
						24 -85	CTO 2400K-8500K (see separate sheet)		
						86-255	8500K		
11	16	9	12	9	12	0	Color Wheel: Open	0	
						1-60	Virtual Swatch Book (see separate sheet)		
						61-179	Open		
							Color Scroll		
						180-201	Clockwise,fast →slow		
						202-207	Stop		
						208-229	Counter-clockwise,slow → fast		
						230-234	Open		
							Random Slots		
						235-239	Fast		
						240-244	Medium		
						245-249	Slow		
						250-255	Open		

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Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
	17		13		13	0	Green Shift: Idle	0	
						1-127	Full Minus Green to Neutral		
						128	Neutral White		
						129-255	Neutral to Full Plus Green		
	18		14		14	0	CTC Crossfade CTO	0	
						1-254	CTO fade to Color Mix		
						255	Color Mix		
12	19	10	15	10	15	0-255	Zoom: Zoom adjustment Narrow - Wide	127	
13	20	11	16	11	16	0-31	Shutter, strobe: Shutter closed	50	X
						32-63	No function (shutter open)		
						64-95	Strobe effect slow to fast		
						96-127	No function (shutter open)		
						128-159	Pulse-effect in sequences		
						160-191	No function (shutter open)		
						192-223	Random strobe effect slow to fast		
						224-255	No function (shutter open)		
14	21	12	17	12	17	0-255	Dimmer: Intensity 0 to 100%	0	
15	22	13	18	13	18	0-255	Dimmer Fine: Dimmer fine	0	
	23		19		19	0-20	Dim Modes Standard	0	X
						21-40	Stage		
						41-60	TV		
						61-80	Architectural		
						81-100	Theatre		
						101-120	Stage 2		
						121	Dimmer Delay Time 0s		
						122	0.1s		
						123	0.2s		
						124	0.3s		
						125	0.4s		
						126	0.5s		
						127	0.6s		
						128	0.7s		
						129	0.8s		
						130	0.9s		
						131	1.0s		
						132	1.5s		
						133	2.0s		
						134	3.0s		
						135	4.0s		
						136	5.0s		
						137	6.0s		
						138	7.0s		
						139	8.0s		
						140	9.0s		
						141	10s		
						142-255	Idle		

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Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
16	24	14	20	14	20		Shaper Index	90	
						0-180	0-360 Index		
						181-217	Rotate counter clockwise fast to slow		
						218	Stop		
						219-255	Rotate clockwise slow to fast		
	25		21		21		Pan / Tilt and Color Speed:	0	X
						0-225	Max to min speed		
						226-235	Blackout by movement		
						236-245	Blackout by all wheel changing		
						246-255	No function		
17	26	15	22	15	22		Control:	0	X
						0-39	Idle		
						40-44	Low Noise - Mute		
						45-49	Low Noise - Studio		
						50-59	Fan Control - Low		
						60-69	Fan Control - High		
						70-79	Fan Control - Auto (Default)		
						80-84	All motor reset		
						85-87	Pan / Tilt reset		
						88-93	Idle		
						94-96	Zoom reset		
						97-99	Accessory Reset		
						100-168	Refresh Rate (Hz)		
						100	900		
						101	910		
						102	920		
						103	930		
						104	940		
						105	950		
						106	960		
						107	970		
						108	980		
						109	990		
						110	1000		
						111	1010		
						112	1020		
						113	1030		
114	1040								
115	1050								
116	1060								
117	1070								
118	1080								
119	1090								
120	1100								
121	1110								
122	1120								
123	1130								
124	1140								
125	1150								

DMX TRAITS - NO BARNDOR MODE

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	DEFAULT	SNAP
Standard	Extended	CMY	CMY Extended	RGB	RGB Extended				
						126	1160		
						127	1170		
						128	1180		
						129	1190		
						130	1200		
						131	1210		
						132	1220		
						133	1230		
						134	1240		
						135	1250		
						136	1260		
						137	1270		
						138	1280		
						139	1290		
						140	1300		
						141	1310		
						142	1320		
						143	1330		
						144	1340		
						145	1350		
						146	1360		
						147	1370		
						148	1380		
						149	1390		
						150	1400		
						151	1410		
17	26	15	22	15	22	152	1420	0	X
						153	1430		
						154	1440		
						155	1450		
						156	1460		
						157	1470		
						158	1480		
						159	1490		
						160	1500		
						161	2500		
						162	4000		
						163	5000		
						164	6000		
						165	10000		
						166	15000		
						167	20000		
						168	25000		
						169-170	Pan Tilt Speed Slow		
						171-172	Pan Tilt Speed Fast (default)		
						173-174	Zoom Speed Slow		
						175-176	Zoom Speed Fast (default)		
						177-200	Idle		
						201-210	Dimmer Curve Linear		
						211-220	Dimmer Curve Square		
						221-230	Dimmer Curve Inverse Square		
						231-240	Dimmer Curve S-Curve (default)		
						241-255	Idle		

COLOR TEMPERATURE

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500

VIRTUAL GEL SWATCH BOOK COLORS

Value	Filter Number	Name	Value	Filter Number	Name	Value	Filter Number	Name
1	7	Pale Yellow	21	157	Pink	41	68	Sky Blue
2	103	Straw	22	36	Medium Pink	42	143	Pale Navy Blue
3	151	Gold Tint	23	111	Dark Pink	43	131	Marine Blue
4	100	Spring Yellow	24	128	Bright Pink	44	115	Peacock Blue
5	10	Medium Yellow	25	148	Bright Rose	45	172	Lagoon Blue
6	101	Yellow	26	332	Special Rose Pink	46	116	Medium Blue Green
7	104	Deep Amber	27	793	Vanity Fair	47	90	Dark Yellow Green
8	15	Deep Straw	28	113	Magenta	48	139	Primary Green
9	179	Loving Amber	29	46	Dark Magenta	49	122	Fern Green
10	21	Gold Amber	30	48	Rose Purple	50	89	Moss Green
11	105	Orange	31	126	Mauve	51	124	Dark Green
12	158	Deep Orange	32	49	Medium Purple	52	88	Lime Green
13	22	Dark Amber	33	58	Lavender	53	138	Pale Green
14	778	Millennium Gold	34	199	Palace Blue	54	203	Quarter CT Blue
15	135	Deep Golden Amber	35	119	Dark Blue	55	202	Half CT Blue
16	24	Scarlet	36	132	Medium Blue	56	201	FULL CT Blue
17	106	Primary Red	37	120	Deep Blue	57	200	Double CT Blue
18	26	Bright Red	38	165	Daylight Blue	58	206	Quarter CT Orange
19	27	Medium Red	39	161	Slate Blue	59	205	Half CT Orange
20	19	Fire	40	118	Light Blue	60	204	FULL CT Orange