

# ELATION REBEL LINE 16 - DMX TRAITS - STANDARD

Mode/Channel			Value	Function	Snap	Default	
24ch	31ch	122ch					
1	1		0-255	<b>Red</b>			
				0 → 100%			
	2		0-255	<b>Red Fine</b>			
				Fine Saturation			
2	3		0-255	<b>Green</b>			
				0 → 100%			
	4		0-255	<b>Green Fine</b>			
				Fine Saturation			
3	5		0-255	<b>Blue</b>			
				0 → 100%			
	6		0-255	<b>Blue Fine</b>			
				Fine Saturation			
4	7		0-255	<b>Lime</b>			
				0 → 100%			
	8		0-255	<b>Lime Fine</b>			
				Fine Saturation			
5	9	1	0-23	<b>Variable CCT</b>			
				Open (6000K)			
				24-255			2400K → 8500K (see table)
	10	2	0-255	<b>Variable CCT Fine</b>			
				Fine Adjustment			
6	11	3		<b>Color</b>	X		
				0			Open
				1-179			Virtual Swatch Book (See Sheet)
							<b>Scroll</b>
				180-201			Clockwise Fast → Slow
				202-207			Stop
				208-229			Counter-clockwise Slow → Fast
				230-234			Open
							<b>Random Slots</b>
				235-239			Fast
				240-244			Medium
				245-249			Slow
250-255	Open						

# RELATION REBEL LINE 16 - DMX TRAITS - STANDARD

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
7	12	4		<b>Strobe</b>	X	
			0-31	Closed		
			32-63	Open		
			64-95	Strobe effect slow to fast		
			96-127	Open		
			128-159	Pulse Effect		
			160-191	Open		
			192-223	Random Slow → Fast		
224-255	Open					
8	13	5	0-255	<b>Dimmer</b> 0 → 100%		
9	14	6	0-255	<b>Dimmer Fine</b> Fine Adjustment		
	15	7		<b>Dimmer Modes</b>	R G B L P i x e l s	X
			0-20	Standard		
			21-40	Stage		
			41-60	TV		
			61-80	Architectural		
			81-100	Theatre		
			101-120	Stage 2		
				<b>Dimmer Time</b>		
			121	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					
	<b>Dim to Warm</b>					
150-154	DTW On					
155-159	DTW Off					
160-255	Idle					

# RELATION REBEL LINE 16 - DMX TRAITS - STANDARD

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
	16	8		<b>Tilt Speed</b>	X	
			0-225	Max → Min Speed		
			226-235	Blackout by movement		
			236-245	Blackout by wheel changes		
			246-255	No function		
10	17	9		<b>Control</b>	X	
			0-10	Idle		
				<b>Fan Mode</b>		
			50-59	Low		
			60-69	High		
			70-79	Auto		
				<b>Reset</b>		
			80-84	All		
			85-87	Tilt		
			88-90	Zoom		
			97-99	Idle		
				<b>Refresh Rate (Hz)</b>		
			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					
126	1160					
127	1170					
128	1180					
129	1190					

# ELATION REBEL LINE 16 - DMX TRAITS - STANDARD

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
10	17	9	130	<b>1200</b>	X	
			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					
			169-174	Idle		
				<b>Pixel Flip</b>		
			175-179	Default Pixel order		
			180-184	Flip Pixel Order		
				<b>Head Flip</b>		
			185-189	Default Head Order		
			190-194	Flip Head Order		
			195-200	Idle		

# RELATION REBEL LINE 16 - DMX TRAITS - STANDARD

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
10	17	9		<b>Dimmer Curves</b>	X	
			201-210	Linear		
			211-220	Square		
			221-230	Inverse Square		
			231-240	S-Curve (Default)		
241-255	Idle					
11	18	10		<b>ColorFX Selection</b>	X	0
			0	Idle		
			1-255	FX 1 → 255 (see table)		
12	19	11		<b>Color FX Speed</b>		0
			0-126	Slow → Fast		
			127-128	Stop		
			129-255	Rev Fast → Slow		
13	20	12		<b>SparkX FX Selection</b>	X	0
			0	Idle		
			1-255	FX 1 → 255 (see table)		
14	21	13		<b>SparkX FX Speed</b>		0
			0-126	Slow → Fast		
			127-128	Stop		
			129-255	Rev Fast → Slow		
15	22	14		<b>FX Zoning</b>		
			0-255	Reserved		
16	23	15		<b>FX Offset</b>	X	0
			0	Idle		
			1	Fixture Offset 10 Degrees		
			2	Fixture Offset 20 Degrees		
			3-34	Fixture Offset...		
			35	Fixture Offset 350 Degrees		
			36	Synchronized		
			37-49	Random Fixture Offset		
			50-59	Random Pixel Order		
			60-69	Random Steps		
			70-79	Idle		
				<b>Effect Fade</b>		
			80-89	Sinewave- Cross		
			90-99	Sinewave- Full		
			100-109	Sawtooth- Cross		
			110-119	Sawtooth- Full		
			120-129	Ramp Up		
			130-139	Ramp Down		
			140-149	Steps		
150-255	Idle					

## ELATION REBEL LINE 16 - DMX TRAITS - HEAD 1

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
17	24	16	0-255	<b>Tilt</b>		
				Left → Right		
18	25	17	0-255	<b>Tilt Fine</b>		
				Fine Position		
19	26	18	0-255	<b>Zoom</b>		
				Narrow → Wide		
20	27	19	0-255	<b>Zoom Fine</b>		
				Fine Adjustment		

## ELATION REBEL LINE 16 - DMX TRAITS - HEAD 2

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
21	28	20	0-255	<b>Tilt</b>		
				Left → Right		
22	29	21	0-255	<b>Tilt Fine</b>		
				Fine Position		
23	30	22	0-255	<b>Zoom</b>		
				Narrow → Wide		
24	31	23	0-255	<b>Zoom Fine</b>		
				Fine Adjustment		

## ELATION REBEL LINE 16 - DMX TRAITS - RGBL PIXELS

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
		24	0-255	<b>Red 1</b>		
				0 → 100%		
		25	0-255	<b>Green 1</b>		
				0 → 100%		
		26	0-255	<b>Blue 1</b>		
				0 → 100%		
		27	0-255	<b>Lime 1</b>		
				0 → 100%		
		28	0-255	<b>Red 2</b>		
				0 → 100%		
		29	0-255	<b>Green 2</b>		
				0 → 100%		
		30	0-255	<b>Blue 2</b>		
				0 → 100%		
		31	0-255	<b>Lime 2</b>		
				0 → 100%		
		32	0-255	<b>Red 3</b>		
				0 → 100%		
		33	0-255	<b>Green 3</b>		
				0 → 100%		
		34	0-255	<b>Blue 3</b>		
				0 → 100%		
		35	0-255	<b>Lime 3</b>		
				0 → 100%		

# RELATION REBEL LINE 16 - DMX TRAITS - RRGBL PIXELS

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
		36	0-255	<b>Red 4</b> 0 → 100%		
		37	0-255	<b>Green 4</b> 0 → 100%		
		38	0-255	<b>Blue 4</b> 0 → 100%		
		39	0-255	<b>Lime 4</b> 0 → 100%		
		40	0-255	<b>Red 5</b> 0 → 100%		
		41	0-255	<b>Green 5</b> 0 → 100%		
		42	0-255	<b>Blue 5</b> 0 → 100%		
		43	0-255	<b>Lime 5</b> 0 → 100%		
		44	0-255	<b>Red 6</b> 0 → 100%		
		45	0-255	<b>Green 6</b> 0 → 100%		
		46	0-255	<b>Blue 6</b> 0 → 100%		
		47	0-255	<b>Lime 6</b> 0 → 100%		
		48	0-255	<b>Red 7</b> 0 → 100%		
		49	0-255	<b>Green 7</b> 0 → 100%		
		50	0-255	<b>Blue 7</b> 0 → 100%		
		51	0-255	<b>Lime 7</b> 0 → 100%		
		52	0-255	<b>Red 8</b> 0 → 100%		
		53	0-255	<b>Green 8</b> 0 → 100%		
		54	0-255	<b>Blue 8</b> 0 → 100%		
		55	0-255	<b>Lime 8</b> 0 → 100%		
		56	0-255	<b>Red 9</b> 0 → 100%		
		57	0-255	<b>Green 9</b> 0 → 100%		
		58	0-255	<b>Blue 9</b> 0 → 100%		
		59	0-255	<b>Lime 9</b> 0 → 100%		
		60	0-255	<b>Red 10</b> 0 → 100%		
		61	0-255	<b>Green 10</b> 0 → 100%		
		62	0-255	<b>Blue 10</b> 0 → 100%		
		63	0-255	<b>Lime 10</b> 0 → 100%		

# ELATION REBEL LINE 16 - DMX TRAITS - RGLB PIXELS

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
		64	0-255	<b>Red 11</b> 0 → 100%		
		65	0-255	<b>Green 11</b> 0 → 100%		
		66	0-255	<b>Blue 11</b> 0 → 100%		
		67	0-255	<b>Lime 11</b> 0 → 100%		
		68	0-255	<b>Red 12</b> 0 → 100%		
		69	0-255	<b>Green 12</b> 0 → 100%		
		70	0-255	<b>Blue 12</b> 0 → 100%		
		71	0-255	<b>Lime 12</b> 0 → 100%		
		72	0-255	<b>Red 13</b> 0 → 100%		
		73	0-255	<b>Green 13</b> 0 → 100%		
		74	0-255	<b>Blue 13</b> 0 → 100%		
		75	0-255	<b>Lime 13</b> 0 → 100%		
		76	0-255	<b>Red 14</b> 0 → 100%		
		77	0-255	<b>Green 14</b> 0 → 100%		
		78	0-255	<b>Blue 14</b> 0 → 100%		
		79	0-255	<b>Lime 14</b> 0 → 100%		
		80	0-255	<b>Red 15</b> 0 → 100%		
		81	0-255	<b>Green 15</b> 0 → 100%		
		82	0-255	<b>Blue 15</b> 0 → 100%		
		83	0-255	<b>Lime 15</b> 0 → 100%		
		84	0-255	<b>Red 16</b> 0 → 100%		
		85	0-255	<b>Green 16</b> 0 → 100%		
		86	0-255	<b>Blue 16</b> 0 → 100%		
		87	0-255	<b>Lime 16</b> 0 → 100%		

# ELATION REBEL LINE 16 - DMX TRAITS - SPARKX PIXELS

Mode/Channel			Value	Function	Snap	Default
24ch	31ch	122ch				
		88		<b>Strobe</b>		
			0-31	Closed		
			32-63	Open		
			64-95	Strobe effect slow to fast		
			96-127	Open		
			128-159	Pulse Effect		
			160-191	Open		
			192-223	Random Slow → Fast		
		224-255	Open			
		89	0-255	<b>Dimmer</b> 0 → 100%		
		90	0-255	<b>Dimmer Fine</b> Fine Adjustment		
		91	0-255	<b>Dimmer 1</b> 0 → 100%		
		92	0-255	<b>Dimmer 2</b> 0 → 100%		
		93	0-255	<b>Dimmer 3</b> 0 → 100%		
...						
		122	0-255	<b>Dimmer 32</b> 0 → 100%		

# RELATION REBEL LINE 16 - DMX TRAITS - LINE8 STANDARD

Note that the LINE 8 mode splits Rebel Line 16 into two independent Rebel Line 8 bars on one base with identical DMX controls. Patch as two separate Rebel Line 8 fixtures on your console.

Mode/Channel			Value	Function	Snap	Default	
22ch	30ch	70ch					
1	1	1	0-255	<b>Tilt</b>			
				Left → Right			
2	2	2	0-255	<b>Tilt Fine</b>			
				Fine Position			
3	3		0-255	<b>Red</b>			
				0 → 100%			
	4		0-255	<b>Red Fine</b>			
				Fine Saturation			
4	5		0-255	<b>Green</b>			
				0 → 100%			
	6		0-255	<b>Green Fine</b>			
				Fine Saturation			
5	7		0-255	<b>Blue</b>			
				0 → 100%			
	8		0-255	<b>Blue Fine</b>			
				Fine Saturation			
6	9		0-255	<b>Lime</b>			
				0 → 100%			
	10		0-255	<b>Lime Fine</b>			
				Fine Saturation			
7	11	3	0-23	<b>Variable CCT</b>			
				Open (6000K)			
				24-255			2400K → 8500K (see table)
	12	4	0-255	<b>Variable CCT Fine</b>			
8	13	5		<b>Color</b>	X		
				0			Open
				1-179			Virtual Swatch Book (See Sheet)
							<b>Scroll</b>
				180-201			Clockwise Fast → Slow
				202-207			Stop
				208-229			Counter-clockwise Slow → Fast
				230-234			Open
							<b>Random Slots</b>
				235-239			Fast
				240-244			Medium
				245-249			Slow
250-255	Open						

# RELATION REBEL LINE 16 - DMX TRAITS - LINE8 STANDARD

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
9	14	6	0-255	<b>Zoom</b> Narrow → Wide		
	15	7	0-255	<b>Zoom Fine</b> Fine Adjustment		
10	16	8		<b>Strobe</b>	RGBL Pixels	X
			0-31	Closed		
			32-63	Open		
			64-95	Strobe effect slow to fast		
			96-127	Open		
			128-159	Pulse Effect		
			160-191	Open		
			192-223	Random Slow → Fast		
	224-255	Open				
11	17	9	0-255	<b>Dimmer</b> 0 → 100%		
12	18	10	0-255	<b>Dimmer Fine</b> Fine Adjustment		
	19	11		<b>Dimmer Modes</b>	RGBL Pixels	X
			0-20	Standard		
			21-40	Stage		
			41-60	TV		
			61-80	Architectural		
			81-100	Theatre		
			101-120	Stage 2		
				<b>Dimmer Time</b>		
			121	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					
	<b>Dim to Warm</b>					
150-154	DTW On					
155-159	DTW Off					
160-255	Idle					

# ELATION REBEL LINE 16 - DMX TRAITS - LINE8 STANDARD

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
	20	12		<b>Tilt Speed</b>	X	
			0-225	Max → Min Speed		
			226-235	Blackout by movement		
			236-245	Blackout by wheel changes		
			246-255	No function		
13	21	13		<b>Control</b>	X	
			0-10	Idle		
				<b>Fan Mode</b>		
			50-59	Low		
			60-69	High		
			70-79	Auto		
				<b>Reset</b>		
			80-84	All		
			85-87	Tilt		
			88-90	Zoom		
			97-99	Idle		
				<b>Refresh Rate (Hz)</b>		
			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					
126	1160					
127	1170					
128	1180					
129	1190					

# ELATION REBEL LINE 16 - DMX TRAITS - LINE8 STANDARD

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
13	21	13	130	<b>1200</b>	X	
			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		
				<b>Pixel Flip</b>		
			175-179	Default Pixel order		
			180-184	Flip Pixel Order		
				<b>Head Flip</b>		
			185-189	Default Head Order		
			190-194	Flip Head Order		
			195-200	Idle		

# RELATION REBEL LINE 16 - DMX TRAITS - LINE8 STANDARD

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
13	21	13		<b>Dimmer Curves</b>	X	
			201-210	Linear		
			211-220	Square		
			221-230	Inverse Square		
			231-240	S-Curve (Default)		
	241-255	Idle				
14	22	14		<b>ColorFX Selection</b>	X	0
			0	Idle		
			1-255	FX 1 → 255 (see table)		
15	23	15		<b>Color FX Speed</b>		0
			0-126	Slow → Fast		
			127-128	Stop		
			129-255	Rev Fast → Slow		
16	24	16		<b>SparkX FX Selection</b>	X	0
			0	Idle		
			1-255	FX 1 → 255 (see table)		
17	25	17		<b>SparkX FX Speed</b>		0
			0-126	Slow → Fast		
			127-128	Stop		
			129-255	Rev Fast → Slow		
18	26	18		<b>FX Zoning</b>		
			0-255	Reserved		
19	27	19		<b>FX Offset</b>	X	0
			0	Idle		
			1	Fixture Offset 10 Degrees		
			2	Fixture Offset 20 Degrees		
			3-34	Fixture Offset...		
			35	Fixture Offset 350 Degrees		
			36	Synchronized		
			37-49	Random Fixture Offset		
			50-59	Random Pixel Order		
			60-69	Random Steps		
			70-79	Idle		
				<b>Effect Fade</b>		
			80-89	Sinewave- Cross		
			90-99	Sinewave- Full		
			100-109	Sawtooth- Cross		
			110-119	Sawtooth- Full		
			120-129	Ramp Up		
130-139	Ramp Down					
140-149	Steps					
	150-255	Idle				

# ELATION REBEL LINE 16 - DMX TRAITS - LINE8 RGBL

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
		20	0-255	<b>Red 1</b> 0 → 100%		
		21	0-255	<b>Green 1</b> 0 → 100%		
		22	0-255	<b>Blue 1</b> 0 → 100%		
		23	0-255	<b>Lime 1</b> 0 → 100%		
		24	0-255	<b>Red 2</b> 0 → 100%		
		25	0-255	<b>Green 2</b> 0 → 100%		
		26	0-255	<b>Blue 2</b> 0 → 100%		
		27	0-255	<b>Lime 2</b> 0 → 100%		
		28	0-255	<b>Red 3</b> 0 → 100%		
		29	0-255	<b>Green 3</b> 0 → 100%		
		30	0-255	<b>Blue 3</b> 0 → 100%		
		31	0-255	<b>Lime 3</b> 0 → 100%		
		32	0-255	<b>Red 4</b> 0 → 100%		
		33	0-255	<b>Green 4</b> 0 → 100%		
		34	0-255	<b>Blue 4</b> 0 → 100%		
		35	0-255	<b>Lime 4</b> 0 → 100%		
		36	0-255	<b>Red 5</b> 0 → 100%		
		37	0-255	<b>Green 5</b> 0 → 100%		
		38	0-255	<b>Blue 5</b> 0 → 100%		
		39	0-255	<b>Lime 5</b> 0 → 100%		
		40	0-255	<b>Red 6</b> 0 → 100%		
		41	0-255	<b>Green 6</b> 0 → 100%		
		42	0-255	<b>Blue 6</b> 0 → 100%		
		43	0-255	<b>Lime 6</b> 0 → 100%		

## ELATION REBEL LINE 16 - DMX TRAITS - LINE8 RGBL

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
		44	0-255	<b>Red 7</b> 0 → 100%		
		45	0-255	<b>Green 7</b> 0 → 100%		
		46	0-255	<b>Blue 7</b> 0 → 100%		
		47	0-255	<b>Lime 7</b> 0 → 100%		
		48	0-255	<b>Red 8</b> 0 → 100%		
		49	0-255	<b>Green 8</b> 0 → 100%		
		50	0-255	<b>Blue 8</b> 0 → 100%		
		51	0-255	<b>Lime 8</b> 0 → 100%		

## ELATION REBEL LINE 16 - DMX TRAITS - LINE8 SPARKX

Mode/Channel			Value	Function	Snap	Default
22ch	30ch	70ch				
20	28	52		<b>Strobe</b>		
			0-31	Closed		
			32-63	Open		
			64-95	Strobe effect slow to fast		
			96-127	Open		
			128-159	Pulse Effect		
			160-191	Open		
			192-223	Random Slow → Fast		
		224-255	Open			
21	29	53	0-255	<b>Dimmer</b> 0 → 100%		
22	30	54	0-255	<b>Dimmer Fine</b> Fine Adjustment		
		55	0-255	<b>Dimmer 1</b> 0 → 100%		
		56	0-255	<b>Dimmer 2</b> 0 → 100%		
		57	0-255	<b>Dimmer 3</b>		
...						
		70	0-255	<b>Dimmer 16</b> 0 → 100%		