

## EC-1 Construct Parameters

Table A-2 lists the 12 EC-1 constructs and their corresponding DMX controller values. If you have a numeric-type controller, use the Value (dec.) column. If you have a fader-type controller, use the Value (%) column. If your controller allows you to program hex values, use the Value (hex) column.

The values displayed in Table A-2 may vary slightly depending on your controller's rounding convention.

Table A-2. Construct Parameters

Controller for EC-1	Controller for STC	Construct	Description	Value (dec.)	Value (%)	Value (hex)
	Channel 1	Pan	coarse positioning	N/A	N/A	N/A
	Channel 2		fine positioning	N/A	N/A	N/A
	Channel 3	Tilt	coarse positioning	N/A	N/A	N/A
	Channel 4		fine positioning	N/A	N/A	N/A
Channel 1	Channel 5	Color Function*	default	0	0	00
			F3	16	8	10h
			F4	32	14	20h
			F5	48	20	30h
			F1	64	26	40h
			F1 and F3	80	33	50h
			F1 and F4	96	39	60h
			F1 and F5	112	45	70h
			F2	128	51	80h
			F2 and F3	144	58	90h
			F2 and F4	160	64	a0h
			F2 and F5	176	70	b0h
			F1 and F2	192	76	c0h
			F1, F2, and F3	208	83	d0h
F1, F2, and F4	224	89	e0h			
F1, F2, and F5	240	95	f0h			

*\*see "Color Functions" on page 3-2 for color function descriptions*

Table A-2. Construct Parameters

Controller for EC-1	Controller for STC	Construct	Description	Value (dec.)	Value (%)	Value (hex)
Channel 2	Channel 6	Color Wheel	<b>default , F1 - Double Rotate, F2 - MSpeed*</b>			
			pos 1 - open	0 & 255	0 & 100	00 & ffh
			pos 2 - CTO	44	17	2ch
			pos 3 - pink	86	34	56h
			pos 4 - magenta	128	50	80h
			pos 5 - red	170	66	aah
			pos 6 - aqua	213	83	d5h
			<b>F3 - Forward Spin / Synchronized Sequences*</b>			
			spin stop	0-3	0-1	00-03h
			spin forward slowest	4	2	04h
			spin forward fastest	127	48	7fh
			color mix sequence slowest	128	50	80h
			color mix sequence fastest	255	100	ffh
			<b>F4 - Reverse Spin / Random Cycling*</b>			
			spin stop	0-3	0-1	00-03h
			spin reverse slowest	4	2	04h
			spin reverse fastest	127	48	7fh
			color mix cycle slowest	128	50	80h
			color mix cycle fastest	255	100	ffh
			<b>F5 - Color Lock and Quickest Path*</b>			
			pos 1 - open	0-43	0-17	0-2bh
			pos 2 - CTO	44-85	0-17	2ch-55h
			pos 3 - pink	86-127	34-50	56h-79h
			pos 4 - magenta	128-169	51-66	80h-a9h
			pos 5 - red	170-212	67-83	aah-d4h
			pos 6 - aqua	213-255	84-100	d5h-ffh
<i>*see "Color Functions" on page 3-2 for color function descriptions</i>						
Channel 3	Channel 7	Cyan Mixing Wheel	cyan in	0	0	00h
			cyan out	255	100	ffh
Channel 4	Channel 8	Magenta Mixing Wheel	magenta in	0	0	00h
			magenta out	255	100	ffh



Table A-2. Construct Parameters

Controller for EC-1	Controller for STC	Construct	Description	Value (dec.)	Value (%)	Value (hex)
Channel 5	Channel 9	Yellow Mixing Wheel	yellow in	0	0	00h
			yellow out	255	100	ffh
Channel 6	Channel 10	Lens wheel (effects wheel 1)	open	0 & 255	0 & 100	00 & ffh
			wide angle filter	64	25	40h
			narrow horizontal shaping center axis	128	50	80h
			wide vertical shaping center axis	192	75	c0h
Channel 7	Channel 11	Frost wheel (effects wheel 2)	open	0 & 255	0 & 100	00& ffh
			frost	64	25	40h
			narrow vertical shaping center axis	128	50	80h
			wide horizontal shaping center axis	192	75	c0h
Channel 8	Channel 12	Shutter	closed	0-7	0-2	00h-07h
			strobe slowest	8	3	08h
			strobe fastest	127	49	7fh
			random strobe-low saturation	128	50	80h
			random strobe - high saturation	247	96	f7h
			open	248-255	97-100	f8h-ffh
Channel 9	Channel 13	Dim	closed	0	0	0h
			open	255	100	ffh
Channel 10	Channel 14	MSpeed	controller crossfade	0-3	0-1	00-03h
			slowest	4	2	04h
			fastest	255	100	ffh
Channel 11	Channel 15	Control	safe	0	0	0h
			home	64	25	40h
			shutdown	128	50	80h
Channel 12	Channel 16	Checksum	set to default value (00)	00	0	00h