

HAVOCW19X40 DMX Chart - September 2024

Channel							name	function	Min DMX	Max DMX
V1.0.00										
Main Engine				Pixel Engine						
Basic	STD	EXT	Basic 2	OFF	Ring	Pixel				
1	1	1	1				Pan	Pan Coarse	0	255
2	2	2	2				Pan Fine	Pan Fine	0	255
3	3	3	3				Tilt	Tilt Coarse	0	255
4	4	4	4				Tilt Fine	Tilt Fine	0	255
5	5	5	5				XY Speed	fastest to Slowest	0	255
6	6	6	6				Dimmer	Dimmer(0->100%)	0	250
7	7	7	7				Dimmer Fine	Dimmer Fine(0->100%)	0	255
8	8	8	8				Shutter/Strobe	Close	0	1
								Strobe from slow to fast	2	62
								Open	63	64
								Pulse in from slow to fast	65	125
								Open	126	127
								Pulse out from slow to fast	128	188
								Open	189	190
								Randon from slow to fast	191	251
								Open	252	255
9	9	9	9				Red	Red	0	255
	10	10	10				Red Fine	Red Fine	0	255
10	11	11	11				Green	Green	0	255

	12	12	12				Green Fine	Green Fine	0	255
11	13	13	13				Blue	Blue	0	255
	14	14	14				Blue Fine	Blue Fine	0	255
12	15	15	15				White	White	0	255
	16	16	16				White Fine	White Fine	0	255
13	17	17	17				Color Macro	Color Macro	0	255
14	18	18					CTO	lineary from 2800K to 10000K	0	255
			18				CTO	Close	0	1
								lineary from 2800K to 10000K	2	255
15	19	19	19				Zoom	0 - 100%	0	255
	20	20	20				Zoom Fine	0 - 100%	0	255
16	21	21					Crossfade for Pixel Engine	0 - 100%	0	255
17	22	22					Crossfade from White to Color	0 - 100%	0	255
18	23	23	21				Control	No Function/Safe	0	1
								Reserved	2	3
								Reserved	4	5
								PAN REVERSE ON	6	7
								PAN REVERSE OFF	8	9
								TILT REVERSE ON	10	11
								TILT REVERSE OFF	12	13
								PAN/TILT MODE FAST	14	15
								PAN/TILT MODE MEDIUM	16	17
								PAN/TILT MODE SLOW	18	19
								MOVEMENT IN BLACKOUT ON	20	21
								MOVEMENT IN BLACKOUT OFF	22	23
								HOME POSITION STANDARD	24	25
								HOME POSITION CUSTOM	26	27
								DISPLAY ON	28	29
								DISPLAY 10S	30	31
								DISPLAY 20S	32	33
								DISPLAY 30S	34	35
								FLIP DISPLAY ON	36	37
								FLIP DISPLAY OFF	38	39
								FLIP DISPLAY AUTO	40	41
								KEY LOCK ON	42	43
								KEY LOCK OFF	44	45
								FAN MODE AUTO	46	47

							FAN MODE SILENT	48	49
							FAN MODE HIGH	50	51
							WHITE CALIBRATION OFF	52	53
							WHITE CALIBRATION STUDIO	54	55
							Tungsten emulation on	56	57
							Tungsten emulation off	58	59
							NO SIGNAL HOLD	60	61
							NO SIGNAL BLACKOUT	62	63
							Reserved	64	65
							Reserved	66	67
							DIMMER CURVE LINEAR	68	69
							DIMMER CURVE S-CURVE	70	71
							DIMMER CURVE SQUARE LAW	72	73
							DIMMER CURVE INVERSE SQUARE LAW	74	75
							DIMMER SPEED AUTO	76	77
							DIMMER SPEED FAST	78	79
							DIMMER SPEED MEDIUM	80	81
							DIMMER SPEED SLOW	82	83
							LED FREQUENCY 600HZ	84	85
							LED FREQUENCY 1200HZ	86	87
							LED FREQUENCY 2000HZ	88	89
							LED FREQUENCY 4000HZ	90	91
							LED FREQUENCY 6000HZ	92	93
							LED FREQUENCY 25KHZ	94	95
							LED FREQUENCY 50KHZ	96	97
							INVERT MAPPING ON	98	99
							INVERT MAPPING OFF	100	101
							RESET ALL	102	103
							RESET PAN/TILT	104	105
							RESET ZOOM	106	107
							Reserved	108	253
							FACTORY DEFAULT OF CONTROL FUNCTIONS	254	255
	24	24	22				CTO on colors	0 - 100%	0 255
	25	25	23				Tint	-25	0 127
								0	128 128
								+25	129 255
		26					Pattern	No FX	0 16

								FX 1	17	22
								FX 2	23	28
								FX 3	29	34
								FX 4	35	40
								FX 5	41	46
								FX 6	47	52
								FX 7	53	58
								FX 8	59	64
								FX 9	65	70
								FX 10	71	76
								FX 11	77	82
								FX 12	83	88
								FX 13	89	94
								FX 14	95	100
								FX 15	101	106
								FX 16	107	112
								FX 17	113	118
								FX 18	119	124
								FX 19	125	130
								FX 20	131	136
								FX 21	137	142
								FX 22	143	148
								FX 23	149	154
								FX 24	155	160
								FX 25	161	166
								FX 26	167	172
								FX 27	173	178
								FX 28	179	184
								FX 29	185	190
								FX 30	191	196
								FX 31	197	202
								FX 32	203	208
								FX 33	209	214
								FX 34	215	220
								FX 35	221	226
								FX 36	227	232
								FX 37	233	238
								FX 38	239	244
								FX 39	245	250
								FX 40	251	255
		27					Pattern Speed	Indexing	0	127
								CW from fast to slow	128	190
								Stop	191	192
								CCW from slow to fast	193	255
		28					Pattern Fade	0 - 100%	0	255
		29					Pattern Transition	0 - 100%	0	255

		30					Foreground Intensity	0 - 100%	0	255
		31					Foreground Strobe	See Shutter/Strobe Channel	0	255
		32					Background Intensity	0 - 100%	0	255
		33					Background Strobe	See Shutter/Strobe Channel	0	255
		34					Background Red	0 - 100%	0	255
		35					Background Green	0 - 100%	0	255
		36					Background Blue	0 - 100%	0	255
		37					Background White	0 - 100%	0	255
					1		Ring 1 Red	0 - 100%	0	255
					2		Ring 1 Green	0 - 100%	0	255
					3		Ring 1 Blue	0 - 100%	0	255
					4		Ring 1 White	0 - 100%	0	255
					5		Ring 2 Red	0 - 100%	0	255
					6		Ring 2 Green	0 - 100%	0	255
					7		Ring 2 Blue	0 - 100%	0	255
					8		Ring 2 White	0 - 100%	0	255
					9		Ring 3 Red	0 - 100%	0	255
					10		Ring 3 Green	0 - 100%	0	255
					11		Ring 3 Blue	0 - 100%	0	255
					12		Ring 3 White	0 - 100%	0	255
					1		Red 1	0 - 100%	0	255
					2		Green 1	0 - 100%	0	255
					3		Blue 1	0 - 100%	0	255
					4		White 1	0 - 100%	0	255
					5		Red 2	0 - 100%	0	255
					6		Green 2	0 - 100%	0	255
					7		Blue 2	0 - 100%	0	255
					8		White 2	0 - 100%	0	255
					9		Red 3	0 - 100%	0	255
					10		Green 3	0 - 100%	0	255
					11		Blue 3	0 - 100%	0	255
					12		White 3	0 - 100%	0	255
					...			0 - 100%	0	255
					73		Red 19	0 - 100%	0	255
					74		Green 19	0 - 100%	0	255
					75		Blue 19	0 - 100%	0	255
					76		White 19	0 - 100%	0	255