



HAVOCH950F

950W LED Moving Head Hybrid with Framing

DMX Chart



DMX Chart

CHANNEL			Name	Function	MIN	MAX
STANDARD	BASIC1	BASIC2				
1	1	1	Pan	Lineary from 0% to 100%	0	255
2	2	2	Pan fine	Lineary from 0% to 100%	0	255
3	3	3	Tilt	Lineary from 0% to 100%	0	255
4	4	4	Tilt fine	Lineary from 0% to 100%	0	255
5	5	5	XY Speed	Fast to Slow	0	255
6	6	6	Shutter	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
7	7	7	Dimmer	Lineary from close to open	0	255
8			Dimmer Fine	Lineary from close to open	0	255
9	8	8	Cyan	Lineary from 0% to 100%	0	255
10	9	9	Magenta	Lineary from 0% to 100%	0	255
11	10	10	Yellow	Lineary from 0% to 100%	0	255
12	11	11	CTO	Lineary from 0% to 100%	0	255
13	12	12	Colour Wheel	Indexed		
				Open	0	8
				Open + COLOR 1	9	15
				COLOR 1	16	22
				COLOR 1 + COLOR 2	23	29
				COLOR 2	30	36
				COLOR 2 + COLOR 3	37	43
				COLOR 3	44	50
				COLOR 3 + COLOR 4	51	57
				COLOR 4	58	64
				COLOR 4 + COLOR 5	65	71
				COLOR 5	72	78
				COLOR 5 + COLOR 6	79	85
				COLOR 6	86	92
				COLOR 6 + COLOR 7	93	99
				COLOR 7	100	106
				COLOR 7 +COLOR 8	107	113

				COLOR 8	114	120
				COLOR 8 + Open	121	127
				Forward Spin		
				From fast to slow	128	190
				Stop		
				Stop	191	192
				Reverse Spin		
				From slow to fast	193	255
14	13	13	Rot Gobo	Indexed		
				Open	0	7
				GOBO 1	8	15
				GOBO 2	16	23
				GOBO 3	24	31
				GOBO 4	32	39
				GOBO 5	40	47
				GOBO 6	48	55
				GOBO 7	56	63
				Forward Spin		
				From fast to slow	64	130
				Stop		
				Stop	131	132
				Reverse Spin		
				From slow to fast	133	199
				Shake		
				GOBO 1 from slow to fast	200	207
				GOBO 2 from slow to fast	208	215
				GOBO 3 from slow to fast	216	223
				GOBO 4 from slow to fast	224	231
				GOBO 5 from slow to fast	232	239
				GOBO 6 from slow to fast	240	247
				GOBO 7 from slow to fast	248	255
15	14	14	Gobo Rot	Indexed		
				Lineary from 0° to 360°	0	127
				Forward Spin		
				From fast to slow	128	190
				Stop		
				Stop	191	192
				Reverse Spin		
				From slow to fast	193	255
16			Gobo Rot Fine	Lineary from 0° to 360° (Indexed)	0	255
17	15	15	Fixed Gobo	Indexed		

				Open	0	5
				GOBO 1	6	11
				GOBO 2	12	17
				GOBO 3	18	23
				GOBO 4	24	29
				GOBO 5	30	35
				GOBO 6	36	41
				GOBO 7	42	47
				GOBO 8	48	53
				Forward Spin		
				From fast to slow	54	125
				Stop		
				Stop	126	127
				Reverse Spin		
				From slow to fast	128	199
				Shake		
				GOBO 1 from slow to fast	200	205
				GOBO 2 from slow to fast	206	211
				GOBO 3 from slow to fast	212	217
				GOBO 4 from slow to fast	218	223
				GOBO 5 from slow to fast	224	229
				GOBO 6 from slow to fast	230	235
				GOBO 7 from slow to fast	236	241
				GOBO 8 from slow to fast	242	255
18	16	16	4f Prism	Open	0	127
				Prism insert	128	255
19	17	17	4f Prism Rotation	Indexed		
				Lineary from 0° to 360°	0	127
				Forward Spin		
				From fast to slow	128	190
				Stop		
				Stop	191	192
				Reverse Spin		
				From slow to fast	193	255
20	18	18	Frost	Continuous		
				Lineary from 0% to 100%	0	255
21	19	19	Zoom	Lineary from in to out	0	255
22			Zoom Fine	Lineary from in to out	0	255
23	20	20	Focus	Lineary from in to out	0	255
24			Focus Fine	Lineary from in to out	0	255
25	21	21	Animation Insertion	Continuous		
				Lineary from 0% to 100%	0	255
26	22	22	Animation Rotation	Indexed		

				Lineary from 0° to 360°	0	127
				Forward Spin		
				From fast to slow	128	190
				Stop		
				Stop	191	192
				Reverse Spin		
				From slow to fast	193	255
27	23	23	Iris	Indexed	0	191
				Pulse opening With Forward Backout	192	207
				Pulse opening With Reverse Backout	208	223
				Pulse closing With Forward Backout	224	239
				Pulse closing With Reverse Backout	240	255
28	24		Blade1 Position	Blade1 Position 0->100%	0	255
29	25		Blade1 Rot	Blade1 Rot	0	255
30	26		Blade2 Position	Blade2 Position 0->100%	0	255
31	27		Blade2 Rot	Blade2 Rot	0	255
32	28		Blade3 Position	Blade3 Position 0->100%	0	255
33	29		Blade3 Rot	Blade3 Rot	0	255
34	30		Blade4 Position	Blade4 Position 0->100%	0	255
35	31		Blade4 Rot	Blade4 Rot	0	255
		24	Blade1A	Blade1A 0->100%	0	255
		25	Blade1B	Blade1B 0->100%	0	255
		26	Blade2A	Blade2A 0->100%	0	255
		27	Blade2B	Blade2B 0->100%	0	255
		28	Blade3A	Blade3A 0->100%	0	255
		29	Blade3B	Blade3B 0->100%	0	255
		30	Blade4A	Blade4A 0->100%	0	255
		31	Blade4B	Blade4B 0->100%	0	255
36	32	32	Blade Rot	Blade All Rotation	0	255
37	33		Frame macros	No Function	0	3
				Macro 1	4	10
				Macro 2	11	17
				Macro 3	18	24
				Macro 4	25	31

				Macro 5	32	38
				Macro 6	39	45
				Macro 7	46	52
				Macro 8	53	59
				Macro 9	60	66
				Macro 10	67	73
				Macro 11	74	80
				Macro 12	81	87
				Macro 13	88	94
				Macro 14	95	101
				Macro 15	102	108
				Macro 16	109	115
				Macro 17	116	122
				Macro 18	123	129
				Macro 19	130	136
				Macro 20	137	143
				Macro 21	144	150
				Macro 22	151	157
				Macro 23	158	164
				Macro 24	165	171
				Macro 25	172	178
				Macro 26	179	185
				Macro 27	186	192
				Macro 28	193	199
				Macro 29	200	206
				Macro 30	207	213
				Macro 31	214	220
				Macro 32	221	227
				Macro 33	228	234
				Macro 34	235	241
				Macro 35	242	248
				Macro 36	249	255
38	34		Frame macros speed	Lineary from 0 to 100%	0	255
39	35	33	Control	No Function/Safe	0	1
				PAN REVERSE ON	2	3
				PAN REVERSE OFF	4	5
				TILT REVERSE ON	6	7
				TILT REVERSE OFF	8	9
				PAN/TILT MODE SLOW	10	11
				PAN/TILT MODE MEDIUM	12	13

			PAN/TILT MODE FAST	14	15
			Reserved	16	17
			Reserved	18	19
			MOVEMENT IN BLACKOUT ON	20	21
			MOVEMENT IN BLACKOUT OFF	22	23
			Reserved	24	25
			Reserved	26	27
			Reserved	28	29
			Reserved	30	31
			Reserved	32	33
			Reserved	34	35
			DISPLAY ON	36	37
			DISPLAY 10S	38	39
			DISPLAY 20S	40	41
			DISPLAY 30S	42	43
			FLIP DISPLAY ON	44	45
			FLIP DISPLAY OFF	46	47
			FLIP DISPLAY AUTO	48	49
			KEY LOCK ON	50	51
			KEY LOCK OFF	52	53
			FAN MODE AUTO	54	55
			FAN MODE SILENT	56	57
			FAN MODE HIGH	58	59
			NO SIGNAL HOLD	60	61
			NO SIGNAL BLACKOUT	62	63
			STATUS LED ON	64	65
			STATUS LED OFF	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 ZOOM OFF	98	99
			INVERT ZOOM ON	100	101
			RESET ALL	102	103
			RESET PAN	104	105
			RESET TILT	106	107
			RESET PAN & TILT	108	109
			RESET CYAN	110	111
			RESET MAGENTA	112	113
			RESET YELLOW	114	115
			RESET CTO	116	117
			RESET COLOR WHEEL	118	119
			RESET GOBO WHEEL	120	121
			RESET GOBO ROTATION	122	123
			RESET FIX GOBO WHEEL	124	125
			RESET ANIMATION	126	127
			RESET ANIMATION ROTATION	128	129
			RESET PRISM	130	131
			RESET PRISM ROTATION	132	133
			RESET FROST	134	135
			RESET IRIS	136	137
			RESET ZOOM	138	139
			RESET FOCUS	140	141
			RESET FRAME ROT	142	143
			RESET BLADE 1 POSITON	144	145
			RESET BLADE 1 ROT	146	147
			RESET BLADE 2 POSITON	148	149
			RESET BLADE 2 ROT	150	151
			RESET BLADE 3 POSITON	152	153
			RESET BLADE 3 ROT	154	155
			RESET BLADE 4 POSITON	156	157
			RESET BLADE 4 ROT	158	159
			Reserved	160	161
			Reserved	162	163
			Reserved	164	165
			Reserved	166	167
			Reserved	168	169
			Reserved	170	171
			Reserved	172	173
			Reserved	174	175

			Reserved	176	177
			Reserved	178	179
			Reserved	180	181
			Reserved	182	183
			Reserved	184	185
			Reserved	186	187
			Reserved	188	189
			Reserved	190	191
			Reserved	192	193
			Reserved	194	195
			Reserved	196	197
			Reserved	198	199
			Reserved	200	201
			Reserved	202	203
			Reserved	204	205
			Reserved	206	207
			Reserved	208	209
			Reserved	210	211
			Reserved	212	213
			Reserved	214	215
			Reserved	216	217
			Reserved	218	219
			Reserved	220	221
			Reserved	222	223
			Reserved	224	225
			Reserved	226	227
			Reserved	228	229
			Reserved	230	231
			Reserved	232	233
			Reserved	234	235
			Reserved	236	237
			Reserved	238	239
			Reserved	240	241
			Reserved	242	243
			Reserved	244	245
			Reserved	246	247
			Reserved	248	249
			Reserved	250	251
			Reserved	252	253
			FACTORY DEFAULT OF CONTROL FUNCTIONS	254	255