

HAVOCW19X40CRI DMX Chart

Channel										name	function	Min DMX	Max DMX
Main Engine							Pixel Engine						
Basic	STD	EXT	EL1	EL2	EL3	EL4	OFF	Ring	Pixel				
1	1	1	1	1	1	1				Pan	Pan Coarse	0	255
2	2	2	2	2	2	2				Pan Fine	Pan Fine	0	255
3	3	3	3	3	3	3				Tilt	Tilt Coarse	0	255
4	4	4	4	4	4	4				Tilt Fine	Tilt Fine	0	255
5	5	5	5	5	5	5				XY Speed	Fastest to Slowest	0	255
6	6	6	6	6	6	6				Dimmer	Dimmer(0->100%)	0	255
7	7	7	7	7	7	7				Dimmer Fine	Dimmer Fine(0->100%)	0	255
8	8	8	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	9	9					Red	Red	0	255
	10	10		10	10					Red Fine	Red Fine	0	255
10	11	11	10	11	11					Green	Green	0	255
	12	12		12	12					Green Fine	Green Fine	0	255
11	13	13	11	13	13					Blue	Blue	0	255
	14	14		14	14					Blue Fine	Blue Fine	0	255
12	15	15	12	15	15					White	White	0	255
	16	16		16	16					White Fine	White Fine	0	255
13	17	17		17	17					Color Macro	Color Macro	0	255
14	18	18		18	18					CTO	lineary from 3000K to 10000K	0	255
15	19	19	13	19	19	9				Zoom	0 - 100%	0	255
	20	20		20	20	10				Zoom Fine	0 - 100%	0	255
16	21	21								Crossfade for Pixel Engine	0 - 100%	0	255

17	22	22								Crossfade from Color to White	0 - 100%	0	255
18	23	23	14	21	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
											Display On	24	25
											Display 10s	26	27
											Display 20s	28	29
											Display 30s	30	31
											Flip Display On	32	33
											Flip Display Off	34	35
											Flip Display Auto	36	37
											Key Lock On	38	39
											Key Lock Off	40	41
											Fan Mode Auto	42	43
											Fan Mode Silent	44	45
											Fan Mode High	46	47
											White Calibration Off	48	49
											White Calibration Studio	50	51
											Tungsten emulation on	52	53
											Tungsten emulation off	54	55
											No Signal Hold	56	57
											No Signal Blackout	58	59
											Control Status Led On	60	61
											Control Status Led Off	62	63
											Dimmer Curve Linear	64	65
											Dimmer Curve S-Curve	66	67
											Dimmer Curve Square Law	68	69
											Dimmer Curve Inverse	70	71

											Square Law		
											Dimmer Speed Auto	72	73
											Dimmer Speed Fast	74	75
											Dimmer Speed Medium	76	77
											Dimmer Speed Slow	78	79
											Led Frequency 16KHZ	80	81
											Led Frequency 20KHZ	82	83
											Led Frequency 40KHz	84	85
											Invert Mapping On	86	87
											Invert Mapping Off	88	89
											Base Color On	90	91
											Base Color Off	92	93
											Reset All	94	95
											Reset Pan/Tilt	96	97
											Reset Zoom	98	99
											Reserved	100	253
											Factory Default of Control Functions	254	255
	24	24								CTO on colors	0 - 100%	0	255
											-25	0	127
	25	25								Tint	0	128	128
											+25	129	255
											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
		26			22					Pattern	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			23					Pattern Speed	Indexing	0	127
											CW from fast to slow	128	190
											Stop	191	192
											CCW from slow to fast	193	255
		28			24					Pattern Fade	0 - 100%	0	255
		29			25					Pattern Transition	0 - 100%	0	255
		30			26					Foreground Intensity	0 - 100%	0	255
		31			27					Foreground Strobe	See Shutter/Strobe Channel	0	255
		32			28					Background Intensity	0 - 100%	0	255
		33			29					Background Strobe	See Shutter/Strobe Channel	0	255

		34			30					Background Red	0 - 100%	0	255
		35			31					Background Green	0 - 100%	0	255
		36			32					Background Blue	0 - 100%	0	255
		37			33					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
					34	11			1	Red 1	0 - 100%	0	255
					35	12			2	Green 1	0 - 100%	0	255
					36	13			3	Blue 1	0 - 100%	0	255
					37	14			4	White 1	0 - 100%	0	255
					38	15			5	Red 2	0 - 100%	0	255
					39	16			6	Green 2	0 - 100%	0	255
					40	17			7	Blue 2	0 - 100%	0	255
					41	18			8	White 2	0 - 100%	0	255
					42	19			9	Red 3	0 - 100%	0	255
					43	20			10	Green 3	0 - 100%	0	255
					44	21			11	Blue 3	0 - 100%	0	255
					45	22			12	White 3	0 - 100%	0	255
									...		0 - 100%	0	255
					106	83			73	Red 19	0 - 100%	0	255
					107	84			74	Green 19	0 - 100%	0	255
					108	85			75	Blue 19	0 - 100%	0	255
					109	86			76	White 19	0 - 100%	0	255

Technical Specifications

Photometrics

- Light Source: 19x OSRAM 40W RGB+WW LEDs
- Beam Angle: 4°-48°
- Output: 7443 lumen, 28376 lux@5m@4°, 1208 lux@5m@48°
- CRI ≥ 93, R9 ≥ 95
- LED Lifespan: 60,000 hours

Effects

- Dimming: 0-100%
- Pixel Control: Yes
- Strobe: 0.5-26 Hz
- Zoom: Motorised, 4°-48°

Movement

- 16-bit auto reposition
- Pan: 540° (3.32s)
- Tilt: 265° (1.57s)

Power

- Input Voltage: 100-240V AC, 50/60 Hz
- Power Consumption: 535W
- Connection: True1 in/out
- Fuse: T 8A, 250V

Control

- Operation Modes: DMX, auto, sound active, master/slave
- Control Protocol: DMX512, RDM, Art-Net (optional: W-DMX™)
- DMX Channels: Main 18/25/37; Pixel 14/21/109/86; 12/76
- Control Interface: 3-pin DMX in/out, 5-pin DMX in/out
- Display: 2.4" colour LCD control panel with battery backup
- Software: Upgradeable via DMX or USB

Housing

- Housing Materials: ABS and steel, matte black finish
- Cooling: Sensor controlled fan
- Net Weight: 15.9 kg
- Rigging: 2x Omega bracket with 1/4 turn quick locks
- Road Case: HAVOCW19X40CASE2

Warranty

Please refer to your local dealer or please contact Event Lighting Pty Ltd.

www.event-lighting.com.au