

### HAVOCW7X40

7x 40W Zoom Wash Moving Head

## **USER MANUAL**



### For safety, please read this user manual carefully before initial use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version: 2 (5 September 2024)

## **Safety Instructions**

### Warning

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.
- Do not look at the light source when the device is on.

### Caution: This unit's housing may be hot during and after operation.

- Install this device in a location with adequate ventilation, at least 50 cm from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device in any location where excessive dust, heat, water or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- ONLY connect this device to a grounded and protected circuit.
- ONLY use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 40° C. Do not operate this device at higher temperatures.

### **Power Input and Power Linking**

This device has an auto-switching power supply that works with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to a maximum of 15A. Do NOT exceed this.

### **Fuse Replacement**

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

#### Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

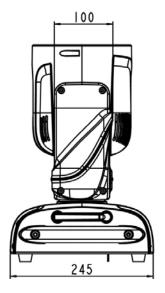
Step 3: Install the new fuse in the fuse holder.

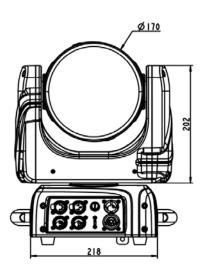
Step 4: Replace the fuse holder in the housing and fix it.

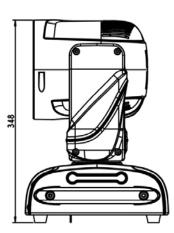
## **Product Installation**

- This fixture can be mounted in many orientations provided each individual fixture is secured by the use of correct mounting bracket.
- Use a safety chain when mounting this device overhead.

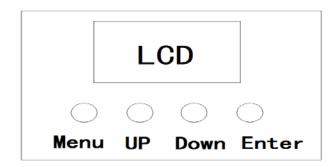
# Dimensions







# Menu Operation



Menu – Move up a level. Up – Move selection up one item. Down – Move selection down one item. Enter – Select / Move down a level.

## Menu

CONNECT	ADDRESS	FIXTURE	VALUE (1-512)(001)		
	ADDRE35	PIXELS	VALUE (1-512)(001)		
		FIXTURE	DMX/W-DMX/sACN/ARTNET		
	CONTROL PROTOCOL	PIXELS	FOLLOW FIXTURE/DMX/W- DMX/sACN/ARTNET/KLINGN ET		
	DMX MODE	FIXTURE	STANDARD/EXTENDED		
		PIXELS	OFF/RING/PIXELS		
		WDMX ON/OFF	ON/OFF		
		WDMX MODE	TRANSMITTER/RECEIVER		
		TX LINK	ON/OFF		
	WIRELESS	TX UNLINK	ON/OFF		
	WIRELESS	RX RESET	ON/OFF		
		DMX TO WDMX (TX)	ON/OFF		
		WDMX TO DMX (RX)	ON/OFF		
	ETHERNET SETTING			IP ADDRESS	
			FIXTURE	NET	0
			TIXTOIL	SUBNET	0
		ARTNET		UNIVERSE	0
		SETTINGS		IP ADDRESS	
			PIXELS	NET	0
			TIXEES	SUBNET	0
				UNIVERSE	0
		sACN SETTINGS		IP ADDRESS	
		SETTINGS	FIXTURE	UNIVERSE	0
				MERGE MODE	OFF/HTP/LTP
			PIXELS	IP ADDRESS	
				UNIVERSE	0

				MERGE MODE	OFF/HTP/LTP
		ETHERNET TO	ON		
		DMX	OFF		
			ON		
		KLINGNET	OFF		
		DMX FAULT	HOLD/BLACKOUT		
		TEMPERATUR E UNIT	Fahrenheit /Celsius		
		HIBERNATION	OFF, 01M~99M(15MIN)		
		FAN MODE	AUTO/HIGH/SILENT		
		DIMMER CURVE	LINEAR/S-CURVE/SQUARE LAW/ INVERSE SQUARE LAW		
		DIMMER SPEED	AUTO/FAST/MEDIUM/SLOW		
	FIXTURE SETTINGS	LED FREQUENCY	600HZ/1200 HZ/2000 HZ/4000 HZ/6000HZ/25KHZ/50KHz		
		MENU LANGUAGE	En/Fr/Sp/简/繁 (En)		
		TRANSFER CONFIGURATI	WITHOUT DMX ADDRESS		
		ON	WITH DMX ADDRESS		
Setup		WHITE CALIBRATION	OFF/STUDIO		
		Tungsten emulation	ON/OFF		
		INVERT MAPPING	ON/OFF		
	MOVEMENT	PAN REVERSE	ON/OFF		
		TILT REVERSE	ON/OFF		
		PAN/TILT FEEDBACK	ON/OFF		
		PAN/TILT MODE	SLOW/MEDIUM/FAST		
		TOTEM MODE	OFF/UP/DOWN		
		BACKLIGHT	ON/10S/20S/30S		
	SCREEN	FLIP DISPLAY	ON/OFF/AUTO		
	USILEN	STATUS LED	ON/OFF		
		KEY LOCK	ON/OFF		
INFORMATI ON		FIXTURE	TOTAL	(ONLY READ)	
ON		HOURS	PARTIAL	(READ AND RESET)	
		CURRENT	TOTAL	(ONLY READ)	
	FIXTURE TIME	HOURS	PARTIAL	(READ AND RESET)	
			TOTAL	(ONLY READ)	
		LED HOURS	PARTIAL	(READ AND RESET)	
			TOTAL	(ONLY READ)	
		POWER ON CYCLE	PARTIAL	(READ AND RESET)	

	TEMPERATU RE	NEAR SOURCE TEMP, DRIVER PCB TEMP, LED PCB TEMP,			
	FAN SPEED	NEAR SOURCE FAN, BASE FAN,			
	CHANNEL VALUE	PAN			
	ERROR MESSAGE	PAN, TILT			
	FIXTURE MODEL	XXXXXXXXXX			
-	RDM UID	(READ AND RESET)			
	SOFTWARE VERSION	1U01 V1.0.00			
		ALL			
	RESET	PAN & TILT			
-	CALIBRATIO N	PASSWORD			
		PAN			
	MANUAL	PAN			
SERVICE	CONTROL				
	RELOAD DEFAULT	BASIC RELOAD	ON/OFF		
		PROGRAM RELOAD	ON/OFF		
		Password			
		FACTORY RELOAD	ON/OFF		
FACTORY	RDM PID CODE		XXX		
-	CODE		PASSWORD		
	LOCKING		xxxHOURS		
			unlocking CODE	1	
-	CALIBRATIO		PASSWORD		
	Ν		PAN		
			ZOOM		
			FOCUS	1	
			GOBO 1 FOCUS	FOCUS	
			GOBO 8 FOCUS	FOCUS	
			GOBO 1 INDEX	INDEX	
			GOBO 8 INDEX	INDEX	

	MAX TEMPERATURE	80~139°C/176 ~282°C	
Reset All Data	XXX		

## **DMX** Chart

This fixture is controlled by the universal DMX 512 protocol. The DMX address is the first channel used to receive instructions from the external controller. For independent control, each fixture must be assigned a unique address for each of its control channels. For example, this device has four channel modes: 26/38/8/28, if it's set to 26 channel mode, and there are several fixtures need to be independently controlled, we just simply address first fixture at 1, and second fixture at 27, third one at 53, etc.

- If multiple fixtures have the same DMX address, they will behave synchronically.
- Display will flash when no DMX signal is received.

MOD	EL NA	ME:H	AVOCW	7X40						
			Channel				name	function	Min DMX	Max DMX
	Main Engine Pixel Engine				ine					
Basic	STD	EXT	Basic 2	OFF	Ring	Pixel				
1	1	1	1		Ŭ		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	255
7	7	7	7				Dimmer Fine	Dimmer Fine(0->100%)	0	255
							Shutter/Strobe	Close	0	1
								Strobe from slow to fast	2	62
							Open	63	64	
								Pulse in from slow to fast	65	125
8	8	8 8 8					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	18				СТО	lineary from 2800K to 10000K	0	255
15	19	19	19	1	1		Zoom	0 - 100%	0	255
	20	20	20	1	1		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
10	23	23	21		Control		2	3
						Reserved		
						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	10	13
						BLACKOUT ON	20	21
						MOVEMENT IN	22	23
						BLACKOUT OFF		-
						HOME POSITION	24	25
						STANDAR	24	25
						HOME POSITION	26	07
						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
							50	51
						WHITE CALIBRATION OFF	52	53
						WHITE CALIBRATION		
							54	55
						STUD		
						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-	00	00
							70	71
							72	73
						SQUARE L		
						DIMMER CURVE	74	75
						INVERSE S		-
1						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
							90	91
						4000HZ		
							92	93
1						6000HZ	-	
						LED FREQUENCY 25KHZ	94	95
						LED FREQUENCY 50KHZ	96	97
						INVERT MAPPING ON	98	99
						INVERT MAPPING OFF	100	101
						RESET ALL	100	103
	1	1	1		1		102	100

Pattern         Rest ZoOM         100         107           24         24         22         CTO on colors         0         00%         0         253           25         25         23         Tint         0         128         129         255           26         25         23         Tint         0         128         128           26         25         23         Tint         0         128         129         255           26         26         0         128         128         129         255           26         7         7         26         129         255         23         28         7         7         26         128         29         34         46         47         35         44         48         48         17         18         17         76         18         17         76         16         101         106         17         76         18         17         76         18         17         76         18         17         76         18         17         76         17         76         17         17         16         101         106         177 <th></th> <th></th> <th></th> <th></th> <th></th> <th>RESET PAN/TILT</th> <th>104</th> <th>105</th>						RESET PAN/TILT	104	105
Reserved         for         Reserved         for         255         26         23         CTO on colors         0         100%         0         255           25         25         23         Tint         -25         0         127         0         128         128           26         25         23         Tint         -0         128         128         128           27         26         23         Tint         No FX         0         168           128         28         23         No FX         0         168           129         28         No FX         0         168         170           121         77         171         172         171         171         171         172           128								
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 	3	-	Ring 1 Blue	0 - 100%	0	255
 	4	-	Ring 1 White	0 - 100%	0	255
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 	6		Ring 2 Green	0 - 100%	0	255
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		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
		13	Red 4	0 - 100%	0	255
		14	Green 4	0 - 100%	0	255
		15	Blue 4	0 - 100%	0	255
		16	White 4	0 - 100%	0	255
		17	Red 5	0 - 100%	0	255
		18	Green 5	0 - 100%	0	255
		19	Blue 5	0 - 100%	0	255
		20	White 5	0 - 100%	0	255
		21	Red 6	0 - 100%	0	255
		22	Green 6	0 - 100%	0	255
		23	Blue 6	0 - 100%	0	255
		24	White 6	0 - 100%	0	255
		25	Red 7	0 - 100%	0	255
		26	Green 7	0 - 100%	0	255
		27	Blue 7	0 - 100%	0	255
		28	White 7	0 - 100%	0	255

## **Technical Specifications**

#### **Photometrics**

- •Light Source: 7x OSRAM 40W 4-in-1 LEDs
- •Beam Angle: 6°-50°
- •Output: 1,322 lumen @ 6°, 2,320 lumen @ 50°
- •LED Lifespan: 60,000 hours

#### Effects

- •Dimming: 0-100%
- Pixel Control: Yes
- •Strobe: 0.5-26 Hz
- •Zoom: Motorised, 6°-50°

#### Movement

- •16-bit auto reposition
- •Pan: 630° (3.04s) / 540° (2.61s)
- •Tilt: 265° (1.03s)

#### Power

- •Input Voltage: 100-240V AC, 50/60 Hz
- •Power Consumption: 231W
- •Connection: True1 in/out
- •Fuse: T 3.15A, 250V

#### Control

- •Operation Modes: DMX, auto, sound active, master/slave
- •Control Protocol: DMX512, RDM, Art-Net (optional: W-DMX<sup>™</sup>)
- •DMX Channels: 26/38/8/28
- •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

#### Housing

- •Housing Materials: ABS and steel, matte black finish
- •Cooling: Sensor controlled fan
- •Net Weight: 7.4 kg
- •Rigging: 2x Omega bracket with 1/4 turn quick locks
- •Road Case: HAVOCW7X40C

### Warranty

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