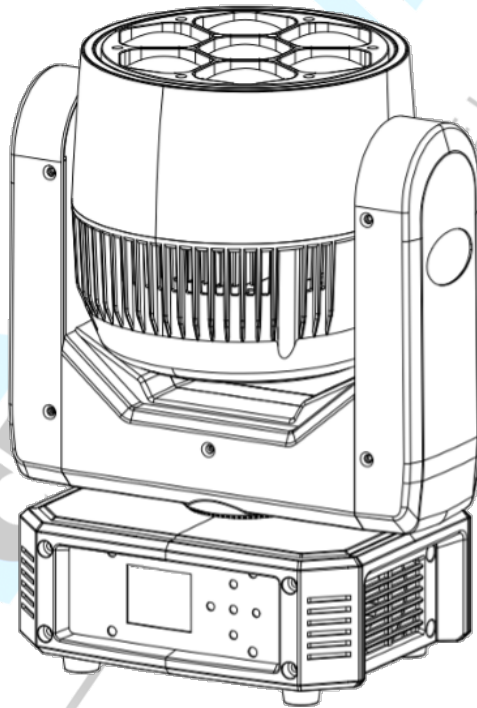


Acue^RLighting

PROFESSIONAL STAGE LIGHTING

HALO

Wash 740



USER MANUAL

1. INTRODUCTION

Thank you for choosing the Acue Lighting Halo Wash 740. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The Halo Wash 740 uses a high-temperature resistant metal/plastic body. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display or by DMX using the built in 3 pin XLR in/out connectors. This fixture has multiple DMX channel modes to choose from. It is suitable for various types of concerts, theaters, studios, nightclubs, bars and other like environments.

2. SAFETY INSTRUCTIONS

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power input before moving fixture.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when mounting this unit.
- Maximum ambient operating temperature is: 40°C. Do not operate if the temperature is higher than this.

- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled individuals can lead to further damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type Spare parts.

3. Maintenance and Installation

3.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fan, fan net, and optical lens of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

3.2 Statement

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.

3.3 Safety Precaution

- In order to guarantee the product's life expectancy, do not store or use in damp places or environments over 60°C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a

secondary source for securing the fixture.

- Skilled individuals must only perform the installation of this fixture.
- This product can be used in the voltage range of 90-240V and is an indoor product. Please make sure that the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.
- In order to make sure the product is used properly, please read this manual carefully.

3.4 Cable connection (DMX)

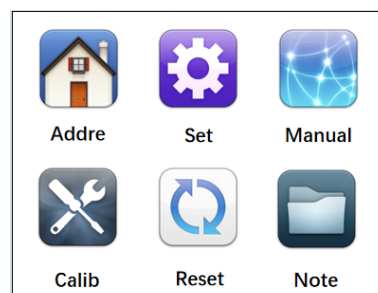
Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5 pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.



4. Display Operation

- ◆ Addre: Click to enter the address code setting
- ◆ Set: Click to enter the system Settings
- ◆ Manual: Click to enter the manual mode
- ◆ Calib: Click to enter the system calibration mode (password required)
- ◆ Reset: Click to enter the system reset mode
- ◆ Note: Click to enter the check



Menu Item	Sub - Menu	Function
Address	001 - 512	Upper and lower keys set the address code
System Settings	Run mode	DMX / Voice Control / Auto 1&2
	Channel Mode	30CH/42CH/58CH
	X-Axis Reverse	Open / close
	Y-Axis Reverse	Open / close
	Hall Correction	Open / close
	Encoder Correction	Open / close
	Signal Keep	Open / close
	Screen Saver	Open / close
	Invert Screen (A)	Open / close / automatic
	Software Update	Open / close
	Language	CH / EN
	Dimming Curve	Curves 1-4
	Speed Mode	Fast / standard
	Load Default	Factory Reset
Manual Mode	Manually Adjust Each Ch (B)	0-255
Calibration	Password Required (C)	Sensor calibration
System Reset(D)	Effect motor reset	
	Scan the motor for reset	
	Full motor reset	
Note	Reset Info	Display & reset error messages
	DMX Data	DMX input readout
	Sensor Info	Sensor Error Info
		X Sensor information
	Hardware Version	Y Sensor information
		Displays the hardware version
Software Version	Displays the software version	

(A) Screen Automatic Inversion Function

The system can automatically rotate the screen according to placement orientation without having to set it manually. You can also turn off the automatic rotation function and set it to a specific orientation.

(B) Manual control

This interface is used to control the fixture manually. It is mostly used for testing the fixture. Press OK to enter the edit state. Press Up and Down to change the channel value. Press OK again to save the modified value.

(C) System Calibration

This function is password protected and may only be used by the manufacturer or by an authorized repair technician.

Sub-Menu Option	Function
Motor/Sensor Calibration	After entering this sub-menu you can edit the starting position of X-axis, Y-axis, focus position, and all other functions that are motor driven can be adjusted to make up for the error on the hardware installation. The adjustment range of 0~255,127 means that there is no adjustment.
White Balance	After entering the sub-menu, the balance level of red, green, blue and white LEDs can be adjusted in the range of 0~255. A level showing 255 indicates that there is no adjustment made.
Other Calibration	Power, MIC sensitivity calibration, and password modification.

(D) Reset

Press Up and Down to switch the reset mode, then press OK to reset.

Sub-Menu Option	Function
Effect Motor Reset	All motors other than X/Y will reset
X/Y Motor Reset	X/Y axis motors will reset (pan/tilt)
Reset All	Full system reset

(E) System Info

Sub-Menu Option	Function
Reset Info	If the red ERR indicator is on, the fixture is detecting an error and the details can be viewed here
DMX Data Monitoring	This option displays the incoming DMX channel values
Sensor Info	Real-time monitoring of all sensors in the fixture
Hardware Version	Displays the current hardware version
Software Version	Displays the current software version

5. DMX Channel Chart

30CH Mode

Ch	Function	Value	Description
1	X-Axis	0-255	0-540 degrees
2	X-Axis Fine	0-255	X -axis 16 bit control
3	Y-Axis	0-255	0-205 degrees
4	Y-Axis Fine	0-255	Y -axis 16 bit control
5	X/Y Speed	0-255	Speed from fast to slow
6	Zoom	0-255	Linear zoom control 4.5 - 45°
7	Lens Rotation	0-127	0~60° Indexing
		128-188	Lens rotation counterclockwise from fast to slow

		189-193	Stop rotation
		194-255	Lens rotation clockwise from slow to fast
8	Total Dimming	0-255	Linear dimming, from dark to bright
9	Strobe	0-3	Open
		4-103	Synchronous strobe from slow to fast (1 HZ-25 HZ)
		104-107	Open
		108-207	Pulse on/off from slow to fast (1 HZ-25 HZ)
		208-212	Open
		213-225	Low speed random flash
		226-238	Medium speed random flash
		239-251	High-speed random flash
		252-255	Open
10	Red	0-255	Linear dimming, from 0%-100%
11	Green	0-255	Linear dimming, from 0%-100%
12	Blue	0-255	Linear dimming, from 0%-100%
13	White	0-255	Linear dimming, from 0%-100%
14	Linear CTO	0-9	NO FUNCTION
		10-255	8000K-2000K
15	Macro Color	0-9	NO FUNCTION
		10-255	Macro color selection
16	Static Effect	0-29	NO FUNCTION
		30-134	Static effects 1-7 (color controlled by Ch10- Ch13)
		135-255	Static effects 8-16 (preset colors)
17	Shape	0-9	NO FUNCTION
		10-124	Dynamic shape effects 1-23 (color is controlled by Ch10- Ch13)
		125-255	Dynamic shape effect 24-40 (preset color)
18	Shape Speed	0-63	Shape freeze frame
		64-158	Shape animation - counterclockwise from fast to slow
		159-160	Shape freeze frame
		161-255	Shape animation - clockwise from slow to fast
19	Background Red	0-255	Linear Red dimming 0-100%
20	Background Green	0-255	Linear Green dimming 0-100%
21	Background Blue	0-255	Linear Blue dimming 0-100%
22	Background White	0-255	Linear White dimming 0-100%
23	Reset	0-25	NO FUNCTION
		26-76	Effect motor reset (hold 5s)
		77-127	X/Y motor reset (hold 5s)
		128-255	All motor reset (hold 5s)
24	Halo Dimmer	0-255	Linear dimming of Halo ring

25	Halo Strobe	0-4	NO FUNCTION
		5-250	Synchronous strobe from slow to fast
		251-255	NO FUNCTION
26	Halo Red	0-255	Linear dimming, from dark to bright
27	Halo Green	0-255	Linear dimming, from dark to bright
28	Halo Blue	0-255	Linear dimming, from dark to bright
29	Halo Effect	0-51	Effect off
		52-255	Halo effect selection
30	Halo Effect Speed	0-255	Halo effect speed from slow to fast

42CH Mode

Ch	Function	Value	Description
1	Red	0-255	Red dimming
2	Red (fine)	0-255	Red fine tuning
3	Green	0-255	Green dimming
4	Green (fine)	0-255	Green fine-tuning
5	Blue	0-255	Blue dimming
6	Blue (fine)	0-255	Blue fine-tuning
7	White	0-255	White dimming
8	White (fine)	0-255	White fine tuning
9	Linear CTO	0-9	NO FUNCTION
		10-255	8000K-2000K
10	Macro Color	0-9	NO FUNCTION
		10-255	Color macro function
11	Strobe	0-3	Open
		4-103	Synchronous strobe from slow to fast (1 HZ-25 HZ)
		104-107	Open
		108-207	Pulse on/off from slow to fast (1 HZ-25 HZ)
		208-212	Open
		213-225	Low speed random flash
		226-238	Medium speed random flash
		239-251	High-speed random flash
252-255	Open		
12	Master Dimmer	0-255	Linear dimming, from dark to bright
13	Master Dimmer (fine)	0-255	Tuning fine-tuning control
14	X-Axis	0-255	0-540 degrees
15	X-Axis Fine	0-255	X -axis 16 bit control
16	Y-Axis	0-255	0-205 degrees

17	Y-Axis Fine	0-255	Y -axis 16 bit control
18	Function	0-255	obligate
19	Reset	0-25	NO FUNCTION
		26-76	Effect motor reset (hold 5s)
		77-127	X/Y motor reset (hold 5s)
		128-255	All motor reset (hold 5s)
20	Zoom	0-255	Linear zoom control 4.5 - 45°
21	Lens Rotation	0-127	0~60° Indexing
		128-188	Lens rotation counterclockwise from fast to slow
		189-193	Stop rotation
		194-255	Lens rotation clockwise from slow to fast
22	Shape	0-7	NO FUNCTION
		8-70	Shape selection 0-63
		71-255	lighting-off
23	Shape Speed	0-63	Shape freeze frame
		64-158	Shape animation - counterclockwise from fast to slow
		159-160	Shape freeze frame
		161-255	Shape animation - clockwise from slow to fast
24	Shape Fade	0-255	Fade function for shape animation
25	Shape Red	0-255	Shape Red LED 0-100%
26	Shape Green	0-255	Shape Green LED 0-100%
27	Shape Blue	0-255	Shape Blue LED 0-100%
28	Shape White	0-255	Shape White LED 0-100%
29	Shape Dimmer	0-255	Shape Dimmer 0-100%
30	Background Dimmer	0-255	Background: 0-100% dimming
31	Shape Transition	0-255	Shape transition fade control
32	Shape Offset	0-255	Shape offset control
33	Shape Foreground Strobe	0-255	Foreground Strobe (same values as ch. 11)
34	Shape Background Strobe	0-255	Background Strobe (same values as ch. 11)
35	Background Selection	0-7	NO FUNCTION
		8-15	Background shape selection
		16-255	NO FUNCTION
36	Halo Dimmer	0-255	Linear dimming of Halo ring
37	Halo Strobe	0-4	NO FUNCTION

		5-250	Synchronous strobe from slow to fast
		251-255	NO FUNCTION
38	Halo Red	0-255	Linear dimming 0-100%
39	Halo Green	0-255	Linear dimming 0-100%
40	Halo Blue	0-255	Linear dimming 0-100%
41	Halo Effect	0-51	No Effect
		52-255	Halo ring effect selection
42	Halo Effect Speed	0-255	Halo ring effect speed

58CH Mode

Ch	Function	Value	Description
1	X-Axis	0-255	0-540 degrees
2	X-Axis Fine	0-255	X -axis 16 bit control
3	Y-Axis	0-255	0-205 degrees
4	Y-Axis Fine	0-255	Y -axis 16 bit control
5	X/Y Speed	0-255	Speed from fast to slow
6	Zoom	0-255	Linear zoom control 4.5 - 45°
7	Lens Rotation	0-127	0~60° Indexing
		128-188	Lens rotation counterclockwise from fast to slow
		189-193	Stop rotation
		194-255	Lens rotation clockwise from slow to fast
8	Master Dimmer	0-255	Linear dimming, from dark to bright
9	Strobe	0-3	Open
		4-103	Synchronous strobe from slow to fast (1 HZ-25 HZ)
		104-107	Open
		108-207	Pulse on/off from slow to fast (1 HZ-25 HZ)
		208-212	Open
		213-225	Low speed random flash
		226-238	Medium speed random flash
		239-251	High-speed random flash
252-255	Open		
10	Red	0-255	Linear dimming, from 0%-100%
11	Green	0-255	Linear dimming, from 0%-100%
12	Blue	0-255	Linear dimming, from 0%-100%
13	White	0-255	Linear dimming, from 0%-100%
14	Linear CTO	0-9	NO FUNCTION
		10-255	8000K-2000K
15	Macro Color	0-9	NO FUNCTION
		10-255	Macro color selection
16	Static Effect	0-29	NO FUNCTION

		30-134	Static effects 1-7 (color controlled by Ch10- Ch13)
		135-255	Static effects 8-16 (preset colors)
17	Shape	0-9	NO FUNCTION
		10-124	Dynamic shape effects 1-23 (color is controlled by Ch10- Ch13)
		125-255	Dynamic shape effect 24-40 (preset color)
18	Shape Speed	0-63	Shape freeze frame
		64-158	Shape animation - counterclockwise from fast to slow
		159-160	Shape freeze frame
		161-255	Shape animation - clockwise from slow to fast
19	Background Red	0-255	Linear Red dimming 0-100%
20	Background Green	0-255	Linear Green dimming 0-100%
21	Background Blue	0-255	Linear Blue dimming 0-100%
22	Background White	0-255	Linear White dimming 0-100%
23	Reset	0-25	NO FUNCTION
		26-76	Effect motor reset (hold 5s)
		77-127	X/Y motor reset (hold 5s)
		128-255	All motor reset (hold 5s)
24	Halo Dimmer	0-255	Linear dimming of Halo ring
25	Halo Strobe	5-250	Synchronous strobe from slow to fast
		251-255	NO FUNCTION
		5-250	Synchronous strobe from slow to fast
26	Halo Red	0-255	Linear dimming 0-100%
27	Halo Green	0-255	Linear dimming 0-100%
28	Halo Blue	0-255	Linear dimming 0-100%
29	Halo Ring Effect	0-51	No Effect
		52-255	Halo Ring effect selection
30	Halo Ring Effect Speed	0-255	Halo Ring effect speed control
31	R1 LED Dimming	0-255	R1 LED Dimming
32	G1 LED Dimming	0-255	G1 LED Dimming
33	B1 LED Dimming	0-255	B1 LED Dimming
34	W1 LED Dimming	0-255	W1 LED Dimming
...
...	
55	R7 LED Dimming	0-255	R7 LED Dimming
56	G7 LED Dimming	0-255	G7 LED Dimming
57	B7 LED Dimming	0-255	B7 LED Dimming
58	W7 LED Dimming	0-255	W7 LED Dimming

6. Technical Specifications

- **Voltage:** AC100-240V 50/60Hz
- **Maximum Power Draw:** 400W
- **Light Source:** 7pcs 40W RGBW 4in1 Flicker-Free Quad LEDs
- **Color Temperature Range:** 2800K-8500K Linear CTO Control
- **Zoom Angle:** 4.5° - 45°
- **Pan & Tilt Range:** Pan 540° Tilt 205°
- **Lens Rotation:** 360° Indexing and bi-directional continuous rotation
- **Channel Modes:** 30Ch, 42Ch, & 58Ch modes
- **Display:** Full color display with 5 button control
- **Operating Modes:** DMX, Auto, Sound, Manual control from display.
- **Mounting:** Removable quick-lock omega bracket included
- **Fixture Size:** 9.5"x6.5"x13.5"
- **Net Weight:** 12.5 lb

7. Warranty

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, water damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to Info@Acuelighting.com.

For more information about this product as well as all our other products please

visit:

www.AcueLighting.com

Or contact us directly

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