WASH 1940 Hight CRI

User Manual

Please read the instruction carefully before use

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1. Safety Instruction

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage 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 ground the yellow/green conductor to earth in order 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 before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cables when fixing this unit. DO NOT handle the unit by its head only, always carry by its base.
- Maximum ambient temperature is Ta: 40 degrees C. DO NOT operate it where the temperature is higher than this.
- Unit surface temperature may reach up to 75 degrees C. DO NOT touch the housing with bare-hands 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 a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage may cause electric shock.

Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- The housing and lenses must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

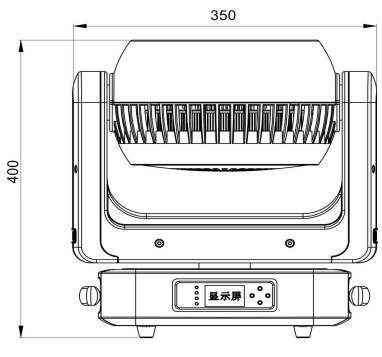
The fixture should be mounted via its Omega Quick Release Clamp bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating and make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing.

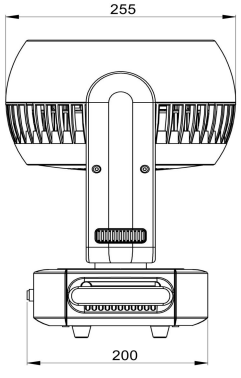
The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

2. Technical Specificatio

♢ CR Imore than 95 CTO linear adjust 2200-10000K
◇ Extremely small, fast and powerful LED moving beam.
◇ DMX Channels: 14/27 channels mode
◇ Outstanding color macro effect
◇ Variable strobe effects
◇ Blue white LCD display for easy navigation
◇ Perfect for stage, theatre, TV studio, rental and discotheques

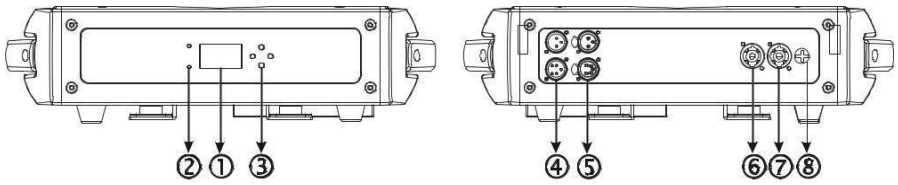
♢ **Input Voltage:** AC 100 ~ 240V, 50/60Hz
♢ **Power Consumption:** 530W
♢ **Power Cable Daisy Chain:** 9 Fixture Max. (230V, 50Hz) 5 Fixture Max. (120V, 60Hz)
♢ **LED Source:** 19× 25W Osram RGBW LED
♢ **Beam Angel:** 10° ~ 60°
♢ **Weight:** 9.5Kgs
♢ **Dimension:** 350 × 200 × 400mm





3. How To Set The Ur

3.1 Control panel



1. Function Display:

Shows the various menus and the selected functions

2. LED:

POWER	ON	Power On
DMX	ON	DMX input present

3. Button:

MENU	To select the programming functions
▼ **DOWN**	To go backward in the selected functions
▲ **UP**	To go forward in the selected functions
ENTER	To confirm the selected functions

4. DMX IN:

DMX512 link, use 3/5-pin XLR cable to link the unit and the DMX controller

5. DMX OUT:

DMX512 link, use 3/5-pin XLR cable to link the next unit and output DMX signal

6. MAINS IN:

PowerCon connection from main power supply

7. MAIS OUT:

PowerCon loop connection for main power supply to the next unit

8. Fuse (T 10A)**:**

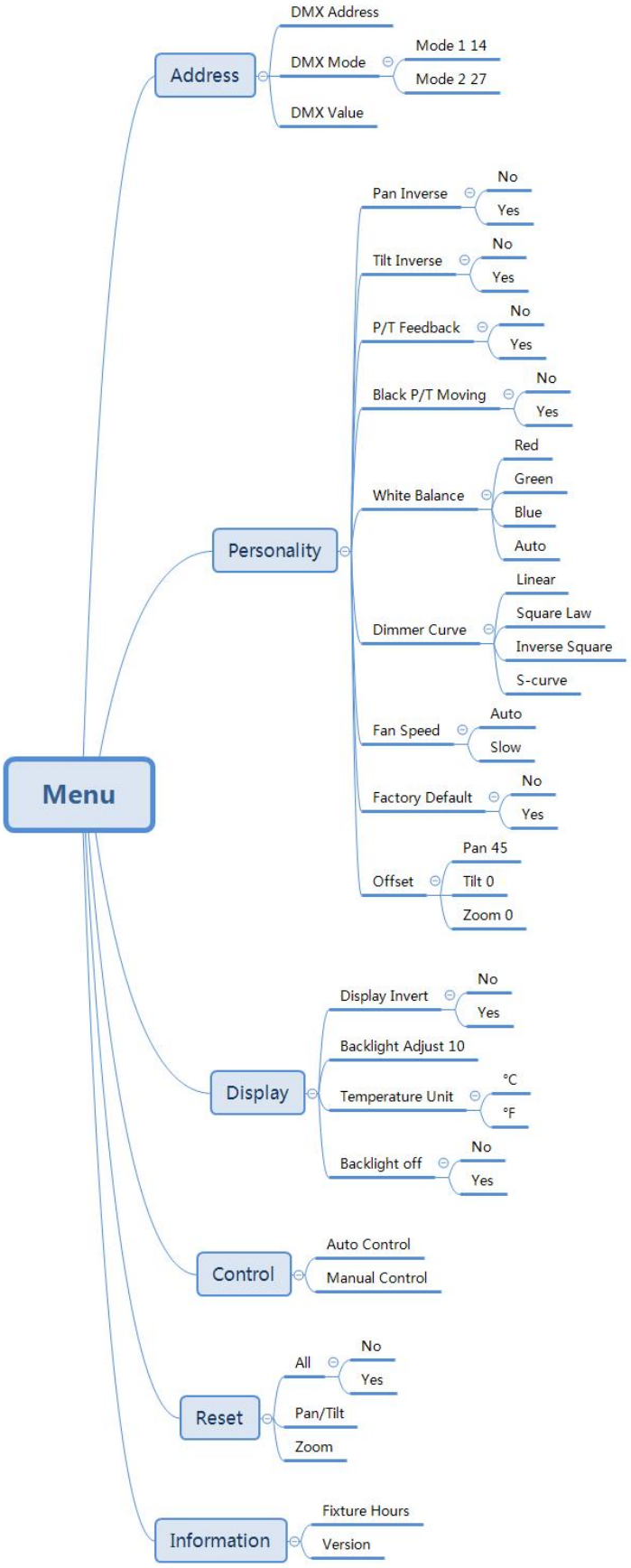
Protects the unit from over-voltage or short circuit

3.2 Main Function

To select any of the given functions, press the **MENU** button until the required function is showing on the display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN**/**UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button

again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

The main functions are shown overleaf:



DMX Functions

Enter MENU mode, select **DMX Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address**, **DMX Channel Mode** or **View DMX Value**.

DMX Address

To select **DMX Address**, press the **ENTER** button to show the **DMX ADDRESS** on the display. Use the **UP/DOWN** button to adjust the address from **001** to **512**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

DMX Channel Mode

To select **DMX Channel Mode**, press the ENTER button to show the **DMX CHANNEL MODE** on the display. Use the **UP/DOWN** button to select **Mode1 (14)** or **Mode2 (27)**, and press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

View DMX Value

To select **View DMX Value**, press the **ENTER** button to show the **VIEW DMX VALUE** on the display. Use the **UP/DOWN** button to view the DMX channel values. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Setting

Enter MENU mode, select **Fixture Setting**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan Inverse**, **Tilt Inverse**, **P/T Feedback**, **BL.O. P/T Moving**, **White Balance**, **Cooling Mode**, **Dimmer Curve** or **Dimmer Speed**.

Pan Inverse

To select **Pan Inverse**, press the **ENTER** button to show the **PAN INVERSE** on the display. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (pan inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Tilt Inverse

To select Tilt Inverse, press the **ENTER** button to show the **TILT INVERSE** on the display. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (tilt inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode

P/T Feedback

To select **P/T Feedback**, press the **ENTER** button to show the **PAN/TILT FEEDBACK** on the display. Use the **UP/DOWN** button to select **No** (Pan or tilt's position will not feedback while out of step) or **Yes** (Feedback while pan/tilt out of step), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

BL.O. P/T Moving

To select **BL.O. P/T Moving**, press the **ENTER** button to show the **BLACKOUT WHILE PAN/TILT MOVING** on the display, use the **UP/DOWN** button to select **No** (normal while pan/tilt moving) or **Yes** (blackout while pan/tilt moving), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

White Balance

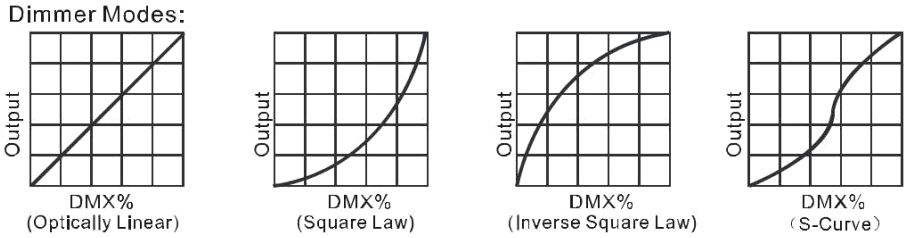
To select **White Balance**, press the **ENTER** button to show the **WHITE BALANCE** on the display, use the **UP/DOWN** button to select **Red**, **Green** or **Blue**. Once selected, press the **ENTER** button to confirm, and use the **UP/DOWN** button to adjust the value from **125** to **255**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Cooling Mode

To select **Cooling Mode**, press the **ENTER** button to show the **COOLING MODE** on the display. Use the **UP/DOWN** button to select **Auto** (Normal) or **Low** (Low speed). Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to show the **DIMMER CURVE** on the display, use the **UP/DOWN** button to select **Linear**, **Square Law**, **Inverse Squ.** or **S-curve**. Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.



Square Law: Light intensity control is finer at low levels and coarser at high levels.

Inverse Square Law: Light intensity control is coarser at low levels and finger at high levels.

S-cure: Light intensity control is finger at low levels and high levels and coarser at medium levels.

Dimmer Speed

To select **Dimmer Speed**, press the **ENTER** button to show the **DIMMER SPEED** on the display. Use the **UP/DOWN** button to select Fast or Smooth. Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Setting

Enter **MENU** mode, select Display Setting, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Inverse**, **Backlight Auto Off**, **Backlight Intensity** ,**Temperature unit** or **Display Warning**.

Display Inverse

To select **Display Inverse**, press the **ENTER** button to show the **DISPLAY INVERSE** on the display. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (display inverse). Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Auto Off

To select **Backlight Auto Off**, press the **ENTER** button to show the **BACKLIGHT AUTO OFF** on the display. Use the **UP/DOWN** button to select **No** (display always on) or **Yes** (display goes off one minute after exiting menu mode). Once selected, press the **ENTER** button to confirm and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Intensity

To select **Backlight Intensity**, press the **ENTER** button to show the **BACKLIGHT INTENSITY** on the display. Use the **UP/DOWN** button to adjust the intensity from **1** (dark) to **10** (bright). Once selected, press the **ENTER** button to setup and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Temperature Unit

To Select **Temperature Unit**, press the **ENTER** button to show the **TEMPERATURE UNIT** on the display. Use the **UP/DOWN** button to select ℃ or ℉, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Warning

To select **Display Warning**, press the **ENTER** button to show the **DISPLAY WARNING** on the display. Use the **UP/DOWN** button to select **No** (Normal) or **Yes** (display will show the error warning when the unit went wrong), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Test

Enter **MENU** mode, select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Test**

Auto Test

To select **Auto Test**, press the **ENTER** button to show the **AUTO TEST** on the display. Press the **ENTER** button, the unit will run built-in programs to automatically test pan, tilt and zoom. Press the **MENU** button back to the last menu or exit menu mode after auto test.

Manual Test

To select **Manual Test**, press the **ENTER** button to show the **MANUAL TEST** on the display. Press the **ENTER** button, and then use the **UP/DOWN** button to select channel, and adjust the channel value. Once selected, press the **ENTER** button to setup, the fixture will run as the channel value indicates. Press the **MENU** button back to the last menu or exit menu mode let the unit idle one minute.

(All channels value will become 0 after exiting **Manual Test** menu)

Fixture Information

Enter **MENU** mode, select Fixture Information, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture use time**, **Lamp On time** or **Firmware Version**.

Fixture use time

To select Fixture use time, press the **ENTER** button to show the **FIXTURE USE TIME** on the display. Press the **ENTER** button, the fixture working hours will show on the display. Press the **MENU** button to exit.

Lamp On time

To select **Lamp On time**, press the **ENTER** button to show the **LAMP ON TIME** on the display. Press the **ENTER** button to confirm, then use the **UP/DOWN** button to select **Exit** or **Reset Time**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or exit menu mode let the unit idle one minute.

Firmware Version

To select **Firmware Version**, press the **ENTER** button to show the **FIRMWARE VERSION** on the display. Press the **ENTER** button and the fixture software version will show on the display. Press the **MENU** button to exit.

Reset Functions

Enter **MENU** mode, select **Reset** Function, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan/Tilt**, **Zoom** or **All**.

Pan/Tilt

To Select **Pan/Tilt**, press the **ENTER** button to show the **PAN/TILT** on the display. Use the **UP/DOWN** button to select **Yes** (the unit will run built-in program to reset pan and tilt to their home positions) or **No**, press the **ENTER** button to store. Press the **MENU** button to exit menu mode.

Zoom

To select Zoom, press the **ENTER** button to show the **ZOOM** on the display. Use the **UP/DOWN** button to select **Yes** (the unit will run built-in program to reset zoom to its home positions) or **No**, press the **ENTER** button to store. Press the **MENU** button to exit menu mode.

All

To select **All,** press the **ENTER** button to show the **ALL** on the display. Use the **UP/DOWN** button to select **Yes** (the unit will run built-in program to reset all motors to their home positions) or **No**, press **ENTER** button to store. Press **MENU** button to exit menu mode.

Special Functions

Enter **MENU** mode, select **Special Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Maintenance** or **Factory Setting**.

Fixture Maintenance

To select **Fixture Maintenance**, press the **ENTER** button to show the **FIXTURE MAINTENANCE** on the display. Use the **UP/DOWN** button to select **Interval** or **Remain Time**.

Interval

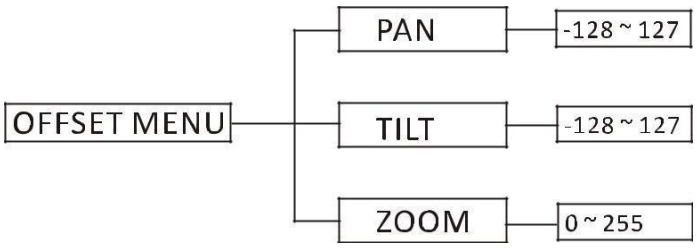
To select **Interval**, press the **ENTER** button to confirm, the interval time will be shown on the display. Press the **MENU** button to exit.

Remain Time

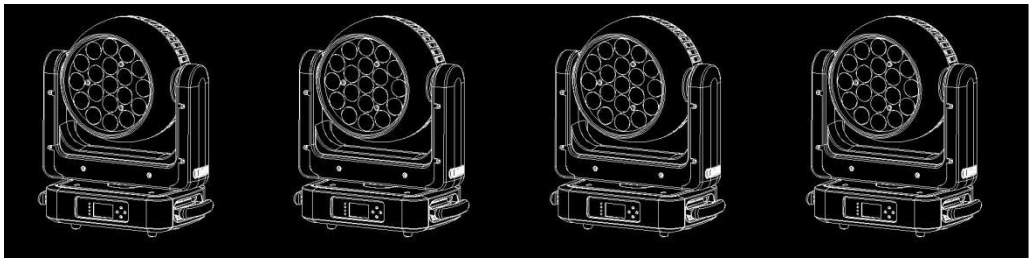
To select **Remain Time**, press the **ENTER** button to confirm, the remaining time will be shown on the display. Press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Exit** or **Reset time**, press the **MENU** button to exit.

Factory Setting

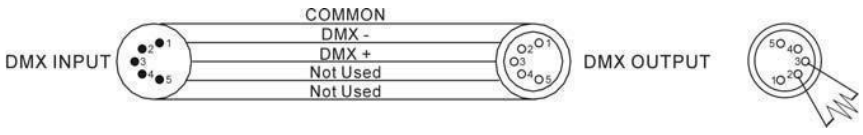
To select **Factory Setting**, press the ENTER button to show the FACTORY SETTING on the display. Press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No** or **Yes** (the fixture will reset to factory settings and exit menu mode).



In the main functions, hold the **ENTER** button for at least 3 seconds into offset mode, use the **DOWN/UP** button up to select **Pan Offset**, **Tilt Offset** or **Zoom Offset**, and press the **ENTER** button to confirm. Use the **DOWN/UP** button to adjust the home position of the Pan, Tilt or Zoom, Once the position has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Press and hold the **MENU** button about one second or wait for



4.1 DMX 512 connection



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. The last units DMX cable has to be terminated with a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) of a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable can not branched or split to a `Y` cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
5. Each fixture unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+),
   Pin 4/Pin 5: Not used.

4.2 Address Setti

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal. Press the **MENU** button to enter menu mode, select ***DMX Functions***, press the **ENTER** button to confirm, use the **UP**/**DOWN** button to select ***DMX Address***, press the **ENTER** button to confirm, the present address will blink on the display, use the **UP**/**DOWN** button to adjust the address from 001 to 512, and press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 7 seconds to exit menu mode.

Please refer to the following diagram to set the DMX address for the first 4 units:

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
14 channels	1	15	29	43
27 channels	1	27	53	79

4.3 DMX 512 Configurati

14 Channels Mode:

CHANNEL	VALUE	FUNCTION
1		**Beam electronic shutter effect**
	000-019	Shutter closed
	020-024	Shutter open
	025-064	Strobe 1 (fast - slow)
	065-069	Shutter open
	070-084	Strobe 2: opening pulse (fast - slow)
	085-089	Shutter open
	090-104	Strobe 3: closing pulse (fast - slow)
	105-109	Shutter open
	110-124	Strobe 4: random strobe (fast - slow)
	125-129	Shutter open
	130-144	Strobe 5: random opening pulse (fast - slow)
	145-149	Shutter open
	150-164	Strobe 6: random closing pulse (fast - slow)
	165-169	Shutter open
	170-184	Strobe 7: burst pulse (fast - slow)
	185-189	Shutter open
	190-204	Strobe 8: random burst pulse (fast - slow)
	205-209	Shutter open
	210-224	Strobe 9: sine wave (fast - slow)
	225-229	Shutter open
	230-244	Strobe 10: burst (fast - slow)
	245-255	Shutter open
2		**Beam dimmer**
	000-255	0 - 100% intensity
3		**Zoom**
	000-255	Wide - narrow
4		**Pan**
	000-255	Pan 0 ˚ - 540 ˚
5		**Pan fine**
	000-255	Pan fine adjustment (Least Significant Byte)
6		**Tilt**
	000-255	Tilt 0 ˚ - 240 ˚

7		**Tilt fine**
	000-255	Tilt fine adjustment (Least Significant Byte)
8		**Fixture control settings**
	000-009	No function
	010-014	Reset entire fixture
	015-039	No function
	040-044	PTSP = NORM
	045-049	PTSP = FAST
	050-054	PTSP = SLOW
	055-059	No function
	060-064	Fan mode FULL2
	065-069	No function
	070-074	Fan mode REGULATED2
	075-089	No function
	090-094	Dimmer Curve Line
	095-099	Dimmer Curve Square Law
	100-104	Dimmer Curve Inverse Square Law
	105-109	Dimmer Curve S
	110-114	Fast dimming, speed of changes unrestricted
	115-119	No function
	120-124	Smooth dimming, speed of changes restricted slightly
	125-249	No function
	250-255	Illuminate display
9		**Beam color wheel effect**
	000-009	Open. RGBW color mixing enabled
	010-014	LEE 790 - Moroccan pink
	015-019	LEE 157 - Pink
	020-024	LEE 332 - Special rose pink
	025-029	LEE 328 - Follies pink
	030-034	LEE 345 - Fuchsia pink
	035-039	LEE 194 - Surprise pink
	040-044	LEE 181 - Congo Blue
	045-049	LEE 071 - Tokyo Blue
	050-054	LEE 120 - Deep Blue
	055-059	LEE 079 - Just Blue
	060-064	LEE 132 - Medium Blue
	065-069	LEE 200 - Double CT Blue
	070-074	LEE 161 - Slate Blue
	075-079	LEE 201 - Full CT Blue
	080-084	LEE 202 - Half CT Blue
	085-089	LEE 117-Steel Blue
	090-094	LEE 353 - Lighter Blue
	095-099	LEE 118 - Light Blue
	100-104	LEE 116 - Medium Blue Green
	105-109	LEE 124 - Dark Green
	110-114	LEE 139 - Primary Green
	115-119	LEE 089 - Moss Green
	120-124	LEE 122 - Fern Green
	125-129	LEE 738 - JAS Green

	130-134	LEE 088 - Lime Green
	135-139	LEE 100 - Spring Yellow
	140-144	LEE 104 - Deep Amber
	145-149	LEE 179 - Chrome Orange
	150-154	LEE 105 - Orange
	155-159	LEE 021 - Gold Amber
	160-164	LEE 778 - Millennium Gold
	165-169	LEE 135 - Deep Golden Amber
	170-174	LEE 164 - Flame Red
	175-179	Open
		Color wheel rotation effect
	180-201	Clockwise, fast - slow
	202-207	Stop (this will stop wherever the color is at the time)
	208-229	Counter-clockwise, slow - fast
	230-234	Open
		Random color
	235-239	Fast
	240-244	Medium
	245-249	Slow
	250-255	Open
10		**Beam red**
	000-255	Red 0- 100%
11		**Beam green**
	000-255	Green 0- 100%
12		**Beam blue**
	000-255	Blue 0- 100%
13		**Beam white**
	000-255	White 0- 100%
14		**Beam CTC (Color Temperature Control)**
	000-255	CTC 6000K - 10000K

27 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000 - 255	**PAN**
2	000 - 255	**PAN FINE**
3	000 - 255	**TILT**
4	000 - 255	**TILT FINE**
5		**PAN/TILT SPEED**
	000 - 255	fast slow
6		**ZOOM**
		wide narrow
7		**SPECIAL FUNCTIONS**
	000 - 009	No function
	010 - 014	Reset
	015 - 255	No function

8		**DIMMER**
	000 - 255	0%~100%
9		**SHUTTER**
	000 - 019	Blackout
	020 - 024	Open
	025 - 064	Strobe 1: fast slow
	065 - 069	Open
	070 - 084	Strobe 2: opening pulse, fast slow
	085 - 089	Open
	090 - 104	Strobe 3: closing pulse, fast slow
	105 - 109	Open
	110 - 124	Strobe 4: random strobe, fast slow
	125 - 129	Open
	130 - 144	Strobe 5: random opening pulse, fast slow
	145 - 149	Open
	150 - 164	Strobe 6: random closing pulse, fast slow
	165 - 169	Open
	170 - 184	Strobe 7: burst pulse, fast slow
	185 - 189	Open
	190 - 204	Strobe 8: random burst pulse, fast slow
	205 - 209	Open
	210 - 224	Strobe 9: sine wave, fast slow
	225 - 229	Open
	230 - 244	Strobe 10: burst, fast slow
	245 - 255	Open
10	000 - 255	**RING 1 RED** (0- 100%)
11	000 - 255	**RING 1 GREEN** (0- 100%)
12	000 - 255	**RING 1 BLUE** (0- 100%)
13	000 - 255	**RING 1 WHITE** (0- 100%)
14		**RING 1 COLOR PRESET**
	000 - 009	Open
	010 - 017	Color1
	018 - 024	Color2
	025 - 032	Color3
	033 - 039	Color4
	040 - 047	Color5
	048 - 054	Color6
	055 - 061	Color7
	062 - 069	Color8
	070 - 076	Color9
	077 - 084	Color10
	085 - 091	Color11
	092 - 099	Color12
	100 - 106	Color13
	107 - 113	Color14
	114 - 121	Color15
	122 - 128	Color16
	129 - 136	Color17

Color Temperature	137 - 143 144 - 151 152 - 158 159 - 165 166 - 173 174 - 180 181 - 188 189 - 195 196 - 203 204 - 210 211 - 217 218 - 225 226 - 232 233 - 240 241-247 248-255	Color18 Color19 Color20 Color21 Color22 Color23 Color24 Color25 Color26 Color27 Color28 Color29 2700K 3200K 4200K 5600K
15	000 - 255	**RING 2 RED** (0- 100%)
16	000 - 255	**RING 2 GREEN** (0- 100%)
17	000 - 255	**RING 2 BLUE** (0- 100%)
18	000 - 255	**RING 2 WHITE** (0- 100%)
19	000 - 255	**RING 2 COLOR PRESET** (The same as CH14: RING 1 COLOR PRESET)
20	000 - 255	**RING 3 RED** (0- 100%)
21	000 - 255	**RING 3 GREEN** (0- 100%)
22	000 - 255	**RING 3 BLUE** (0- 100%)
23	000 - 255	**RING 3 WHITE** (0- 100%)
24	000 - 255	**RING 3 COLOR PRESET** (The same as CH14: RING 1 COLOR PRESET)
25	000-050 051-059 060-069 070-077 078-086 087-095 096-255	**RING COLOR MACRO** Blackout Macro1 Macro2 Macro3 Macro4 Macro5 Macro6
26	000 - 255	**COLOR MACRO SPEED** Slow fast

[redacted]		CTO

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B.Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors and cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C.One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

6. Fixture Cleaning

The cleaning must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

• Clean with soft cloth using normal glass cleaning fluid.

• Always dry the parts carefully.

• Clean the external optics at least every 30 days.