## 4920Z

## 49*20w Matrix Zoom Moving Head



User manual
Please read the instructions carefully before use

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## statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can't be responsible for any malfunction \& problem owing to ignore the manual.

## 1. Safety Instructions

Please keep this User Guide 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 50 cm 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 cable when fixes this unit. Do not handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is $\mathrm{Ta}: 40^{\circ} \mathrm{C}$. Do not operate it where the temperature is higher than this Unit surface temperature may reach up to $85^{\circ} \mathrm{C}$. Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- the event of 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 might be causing electric shock.


## Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.
- The housing, the lenses, or the ultraviolet filter 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 unit should be mounted via its screw holes on the 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 unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## 2. Technical Specifications

Light Sources: 49*20W 4IN1 RGBW LED
Beam Angle: $4^{\circ}-46^{\circ}$
Power Consumption: $760 \mathrm{~W} \pm 5 \%$, power factor $\mathrm{PF} \geqslant 0.95$; standby power: 26 W
Power Voltage: AC 100-240V, 50/60Hz
Dimension: $477 \mathrm{~mm} \times 272 \mathrm{~mm} \times 579.5 \mathrm{~mm}$
Net Weight: 22.5 kg
Carton Package 1in1 size: 60*60*46cm
Gross Weight: 27.2 kg
Flight Case Package 2in1 size: 79*56*79cm
Gross Weight: 87.8 kg

## Control

DMX Channel: 22/25/33/229/206 Channels
Control Modes: DMX512/Master-Slave/Auto Run/Music/Artnet

## Pan/Tilt

Pan: $540^{\circ}$, accuracy $2.11^{\circ}$ /step, fine-tuning accuracy: $0.008^{\circ}$
Tilt: $270^{\circ}$, accuracy $0.86{ }^{\circ}$ / step, fine-tuning accuracy: 0.0034
Pan/Tilt Resolution: 8/16 bit
Tilt infinite rotation; Using photoelectric reset system

## Construction

Display: $180^{\circ}$ reversible 1.8 inch TFT colorful Display
Data In/Out socket: 3-pin \& 5-pin XLR sockets
Power Socket: Power Con in/out
Protection Rating: IP20

## Features

Full light domain dimming, 65536 levels of dimming accuracy;
Fast strobe $1 \sim 25 \mathrm{~Hz}$; preset various kinds of color macro function; preset
various kinds of effect macro function;
LED temperature protection \& Speed of fan automatic adjustment based on the temperature of the head;
Single LED control, zoom effect, Tilt infinite rotation.

## 3 LUX Date



## 4. How To Control The Unit



## Display:

MENU To select the programming functions
DOWN To go backward in the selected functions
UP $\quad$ To go forward in the selected functions
ENTER To confirm the selected functions

## Set DMX Address Code

1 Press "Menu" to "Set DMX Address", and press "ENTER" keys to enter into
2 Show "Set DMX Address DMX Address:001", Press the "UP and DOWN" keys to amended
3 Press "ENTER" keys to save and Exit, Press the "MENU" Keys does not save and Exit

|  | 1.Pan Degree | 1)540 $\left.{ }^{\circ}, 2\right) 360^{\circ}$ | Pan running angle <br> selection |
| :---: | :---: | :---: | :---: |
|  | 2.Mic Sense | $001-100$ | Sound sensitivity <br> adjustment |
|  | 3. Language | English | Chinese |


| Menu | 4.No Signal | 1.Black Out 2.Hold |  |
| :---: | :---: | :---: | :---: |
|  | 5.Fan Set | 1.Auto 2. Low <br> 3.High |  |
|  | 6.ArtNet Set | ArtNet Enable: | 1.ON 2.OFF |
|  |  | 2.Universe:0---255 |  |
|  |  | 3.IP Mode: | A.2.X.X.X Auto <br> B.10.X.X.X Auto <br> C.Custom |
|  |  | 4.Custom IP | 192.168.000.001 |
|  |  | 5.SubNetMask | 255.000.000.000 |
|  | 7.Reset | Yes | Reset |
|  |  | No |  |
|  | 8.Default | Yes | Default |
|  |  | No |  |
|  | 9.Adjust | Pass Word: up+down+up+down |  |
|  |  | 1.Pan | 0-255 |
|  |  | 2.Tilt | 0-255 |
|  |  | 3.Focus | 0-255 |
|  |  | 4.Red | 0-255 |
|  |  | 5.Green | 0-255 |
|  |  | 6.Blue | 0-255 |
|  |  | 7.White | 0-255 |
| Address | Setting from 001-512 |  |  |
|  |  |  | 1.Yes |


| Reverse | Forward or reversed setting |  | Pan | 2.No |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.Yes |
|  |  |  | Tilt | 2.No |
|  |  |  | Display | 1.Yes |
|  |  |  | 2.No |
| Information |  | 1.CH <br> Value |  |  | Each channel show CH value |
|  |  | 2.Temp $\qquad$ ${ }^{\circ} \mathrm{C}$ |  | Show the temperature of led board |
|  |  | 3.Soft <br> V.XXX |  | Show the version number |
|  |  | 4.IP | 002.016.035.052 | Default IP |
|  |  | 5.Mask | 255.000.000.000 | Default submask |
| Channel |  | 1.22Channels |  | Select channel mode |
|  |  | 2.25Channels |  |  |
|  |  | 3.33Channels |  |  |
|  |  | 4.229Channels |  |  |
|  |  | 5.206Channels |  |  |
| Mode |  | DMX 512 |  |  |
|  |  | AUTO |  |  |
|  |  | SOUND |  |  |
|  |  | 1.Pan:0--255 |  |  |
|  |  | 2.Pan Rotation:$0--255$ |  |  |
|  |  | 3.Tilt:0--255 |  |  |


| Mode | Manual control | 4.Tilt Rotation: 0--255 | Manual control |
| :---: | :---: | :---: | :---: |
|  |  | 5.Focus:0--255 |  |
|  |  | 6.Red1: 0--255 |  |
|  |  | 7.Greed1: 0--255 |  |
|  |  | 8.Blue1: 0--255 |  |
|  |  | 9.White1: 0--255 |  |
|  |  | 10.Strobe1: 0-255 |  |
|  |  | 11.Red2: 0--255 |  |
|  |  | 12.Greed2: 0--255 |  |
|  |  | 13.Blue2: 0--255 |  |
|  |  | 14.White2: 0--255 |  |
|  |  | 15.Strobe2: 0-255 |  |
|  | Alone/Master | 1.Master | Alone/Master |
|  |  | 2.Alone |  |

## 5.DMX Channel List

## Model 1-22Channels

| Channel | Display | Function | Value |
| :---: | :---: | :---: | :---: |
| CH-1 | Red | Red dimming | $0--255$ |
| $\mathrm{CH}-2$ | Red adjustment | Red adjustment | $0--255$ |
| $\mathrm{CH}-3$ | Green | Green dimming | $0--255$ |
| CH-4 | Green adjustment | Green adjustment | $0--255$ |
| CH-5 | Blue | Blue dimming | $0--255$ |
| CH-6 | Blue adjustment | Blue dimming | $0--255$ |
| CH-7 | White | White dimming | $0--255$ |
| $\mathrm{CH}-8$ | White adjustment | White adjustment | $0--255$ |
| CH-9 | linear color temperature | No effect | 0---4 |
|  |  | Color temperature from warm to cold | 5---255 |
| CH-10 | Macro color | No effect | 0--9 |
|  |  | Macro color 1 | 10--19 |
|  |  | Macro color 2 | 20--29 |
|  |  | .... (10 numbers 1 macro color) | .... |


| CH-10 | Macro color | Macro color 24 | 240--249 |
| :---: | :---: | :---: | :---: |
|  |  | Macro color 25 | 250--255 |
| CH-11 | Dimmer | dark to bright linear dimming | 0---255 |
| CH-12 | Dimmer adjust | Dimmer adjustment control | 0--- 255 |
| CH-13 | Strobe | Turn on the light | 0---3 |
|  |  | Synchro strobe speed <br> slow to fast (1HZ-25HZ) | 4---203 |
|  |  | Random strobe | 204--255 |
| CH-14 | Pan | Pan control | 0--- 255 |
| $\mathrm{CH}-15$ | Pan adjustment | Pan adjustment control | 0--- 255 |
| CH-16 | Tilt | Tilt control | 0---255 |
| $\mathrm{CH}-17$ | Tilt adjustment | Tilt adjustment control | $0--255$ |
| CH-18 | Pan/Tilt Speed | Speed fast to slow | $0--255$ |
| CH-19 | Tilt infinite rotation control | No Funtion | 0---55 |
|  |  | Infinite rotation from slow to fast | 56---155 |
|  |  | Infinite rotation reversal from slow to fast | 156---255 |
| CH-20 | Zoom | Zoom | 0---255 |
|  |  | Mode -1 | $0--49$ |


| CH-21 | Dimming Mode | Mode -2 | $50---99$ |
| :---: | :---: | :---: | :---: |
|  |  | Mode -3 | $100---149$ |
|  |  | Mode -4 | $150---255$ |
| CH C22 | Reset | NO | $0-250$ |
|  |  | Reset within 5s | $251--255$ |

## Model 2-25Channels

| Channel | Display | Function | Value |
| :---: | :---: | :---: | :---: |
| $\mathrm{CH}-1$ | Pan | Pan control | $0---255$ |
| CH-2 | Pan adjustment | Pan adjustment control | $0--255$ |
| $\mathrm{CH}-3$ | Tilt | Pan control | $0---255$ |
| $\mathrm{CH}-4$ | Tilt adjustment | Tilt adjustment control | 0--- 255 |
| CH-5 | Pan/Tilt speed | Speed from fast to slow | $0--255$ |
| CH-6 | Tilt infinite control | No effect | 0----55 |
|  |  | Go from slow to fast | 56----155 |
|  |  | Reverse from slow to fast | $\begin{gathered} 156---25 \\ 5 \end{gathered}$ |
| $\mathrm{CH}-7$ | Zoom | Zoom | $0---255$ |
| $\mathrm{CH}-8$ | Dimmer | dark to bright linear dimming | $0--255$ |


| CH-9 | Strobe | Turn on the light | 0---3 |
| :---: | :---: | :---: | :---: |
|  |  | Synchro strobe speed <br> From slow to fast (1HZ-25HZ) | 4---203 |
|  |  | Random strobe | 204--255 |
| $\mathrm{CH}-10$ | R dimming | dark to bright linear dimming | 0-255 |
| CH-11 | G dimming | dark to bright linear dimming | 0-255 |
| CH-12 | B dimming | dark to bright linear dimming | 0-255 |
| CH-13 | W dimming | dark to bright linear dimming | 0-255 |
| CH-14 | linear color temperature | No effect | 0---4 |
|  |  | Color temperature from warm to cold | 5---255 |
| CH-15 | Macro color | No effect | 0--9 |
|  |  | Macro color 1 | 10--19 |
|  |  | Macro color 2 | 20--29 |
|  |  | ....(10 numbers 1 macro color) | $\ldots$ |
|  |  | Macro color 24 | 240--249 |
|  |  | Macro color 25 | 250--255 |
|  |  | No | 0--2 |
|  |  | pattern 1 | 3--5 |
|  |  | pattern 2 | 6--9 |


| CH-16 | Static pattern | .........(3 numbers 1 pattern) | .... |
| :---: | :---: | :---: | :---: |
|  |  | pattern 59 | 174--176 |
|  |  | pattern 60 | 177--255 |
| CH-17 | Dynamic pattern | NO | 0--9 |
|  |  | dynamic pattern 1 | 10--11 |
|  |  | dynamic pattern 2 | 12--13 |
|  |  | ......(2 numbers 1 pattern) | $\ldots$ |
|  |  | dynamic pattern 93 | 194--195 |
|  |  | dynamic pattern 94 | 196--255 |
| CH-18 | Pattern translation <br> (With 17 channels) | Select a dynamic pattern scene | 0-255 |
| CH-19 | Dynamic pattern speed (with 17 channels) | No effect | 0---9 |
|  |  | Forward, from fast to slow (with 17CH) | 10---132 |
|  |  | Reverse, from slow to fast(with $17 \mathrm{CH})$ | 133---255 |
| CH-20 | Back color R | dark to bright linear dimming | 0-255 |
| CH-21 | Back color G | dark to bright linear dimming | 0-255 |
| CH-22 | Back color B | dark to bright linear dimming | 0-255 |


| CH-23 | Back color W | dark to bright linear dimming | $0-255$ |
| :---: | :---: | :---: | :---: |
| CH -24 |  | Mode -1 | $0---49$ |
|  |  | Mode -2 | $50---99$ |
|  |  | Mode -3 | $100---149$ |
|  |  | Mode -4 | $150---255$ |
| CH -25 | Reset | NO | $0-250$ |
|  |  | Reset within 5s | $251-255$ |

## Model 3-33Channel

| Channel | Display | Function | Value |
| :---: | :---: | :---: | :---: |
| $\mathrm{CH}-1$ | Pan | Pan control | $0--255$ |
| $\mathrm{CH}-2$ | Pan adjustment | Pan adjustment control | $0--255$ |
| $\mathrm{CH}-3$ | Tilt | Pan control | $0--255$ |
| CH-4 | Tilt adjustment | Tilt adjustment control | $0--255$ |
| CH-5 | Pan/Tilt speed | Speed from fast to slow | $0--255$ |
| CH-6 | Tilt infinite control | No effect | 0----55 |
|  |  | Go from slow to fast | 56----155 |
|  |  | Reverse from slow to | 156----255 |


|  |  | fast |  |
| :---: | :---: | :---: | :---: |
| CH-7 | Zoom | Zoom | 0-255 |
| CH-8 | Dimmer | dark to bright linear dimming | 0--- 255 |
| CH-9 | Dimmer adjust | Dimmer adjusting control | 0--- 255 |
| CH-10 |  | No effect | 0---3 |
|  | Strobe | Synchro strobe speed <br> From slow to fast (1HZ-25HZ) | 4---203 |
|  |  | Random strobe | 204--255 |
| CH-11 | Red | Red dimming | 0-255 |
| $\mathrm{CH}-12$ | Red adjustment | Red adjustment | 0-255 |
| CH-13 | Green | Green dimming | 0-255 |
| CH-14 | Green adjustment | Green adjustment | 0-255 |
| CH-15 | Blue | Blue dimming | 0-255 |
| CH-16 | Blue adjustment | Blue dimming | 0-255 |
| CH-17 | White | White dimming | 0-255 |
| CH-18 | White adjustment | White adjustment | 0-255 |
| $\mathrm{CH}-19$ |  | Mode -1 | $0---49$ |
|  |  | Mode -2 | $50---99$ |


|  | Dimming Mode | Mode -3 | 100---149 |
| :---: | :---: | :---: | :---: |
|  |  | Mode -4 | 150---255 |
| CH-20 | linear color temperature | No effect | 0---4 |
|  |  | Color temperature from warm to cold | 5---255 |
| CH-21 | Macro color | No effect | 0--9 |
|  |  | Macro color 1 | 10--19 |
|  |  | Macro color 2 | 20--29 |
|  |  | ....(10 numbers 1 macro color) | $\ldots$ |
|  |  | Macro color 24 | 240--249 |
|  |  | Macro color 25 | 250--255 |
| CH-22 | Static pattern | No effect | 0--2 |
|  |  | pattern 1 | 3--5 |
|  |  | pattern 2 | 6--9 |
|  |  | ...... | ...... (3 numbers and one type) |
|  |  | pattern 59 | 174--176 |
|  |  | Pattern 60 | 177--255 |


|  |  |  |  |
| :---: | :---: | :---: | :---: |
| CH-23 | Dynamic pattern | No effect | 0--9 |
|  |  | dynamic pattern 1 | 10--11 |
|  |  | dynamic pattern 2 | 12--13 |
|  |  | .......... | ...... (2 numbers and one type) |
|  |  | dynamic pattern 93 | 194--195 |
|  |  | dynamic pattern 94 | 196--255 |
| CH-24 | Pattern translation (with 23 channels) | Select a dynamic pattern scene | 0--255 |
| CH-25 | Dynamic pattern effect speed | NO | 0--9 |
|  |  | Forward, from fast to slow(with 23CH) | 10--132 |
|  |  | Reverse, from slow to fast(with 23CH) | 133--255 |
| CH-26 | Pattern effect fade | Pattern effect fade | 0-255 |
| CH-27 | Background dimming | Background 0-100\% dimming | 0-255 |
| CH-28 | Background strobe | Background strobe | 0-255 |
| CH-29 | Pattern Back R | Pattern effect R | 0-255 |
| CH-30 | Pattern Back G | Pattern effect G | 0-255 |


| CH-31 | Pattern Back B | Pattern effect B | $0-255$ |
| :---: | :---: | :---: | :---: |
| CH-32 | Pattern Back W | Pattern effect W | $0-255$ |
| CH-33 | Reset | No effect | $0-250$ |
|  |  | Reset within 5S | $251-255$ |

## Model 4-229Channels

| Channel | Display | Function | Value |
| :---: | :---: | :---: | :---: |
| $\mathrm{CH}-1$ | Pan | Pan control | $0--255$ |
| $\mathrm{CH}-2$ | Pan adjustment | Pan adjustment control | $0-255$ |
| CH-3 | Tilt | Pan control | $0--255$ |
| CH-4 | Tilt adjustment | Tilt adjustment control | $0--255$ |
| $\mathrm{CH}-5$ | Pan/Tilt speed | Speed from fast to slow | $0-255$ |
| CH-6 | Tilt infinite control | No effect | 0----55 |
|  |  | Go from slow to fast | 56----155 |
|  |  | Reverse from slow to fast | 156----255 |
| $\mathrm{CH}-7$ | Zoom | Zoom | 0-255 |


| $\mathrm{CH}-8$ | Dimmer | dark to bright linear dimming | 0--- 255 |
| :---: | :---: | :---: | :---: |
| $\mathrm{CH}-9$ | Dimmer adjust | Dimmer adjusting control | 0--- 255 |
| $\mathrm{CH}-10$ | Strobe | No effect | 0---3 |
|  |  | Synchro strobe speed <br> From slow to fast <br> (1HZ-25HZ) | 4---203 |
|  |  | Random strobe | 204--255 |
| CH-11 | Red | Red dimming | 0-255 |
| $\mathrm{CH}-12$ | Red adjustment | Red adjustment | 0-255 |
| $\mathrm{CH}-13$ | Green | Green dimming | 0-255 |
| CH-14 | Green adjustment | Green adjustment | 0-255 |
| CH-15 | Blue | Blue dimming | 0-255 |
| CH-16 | Blue adjustment | Blue dimming | 0-255 |
| CH-17 | White | White dimming | 0-255 |
| CH-18 | White adjustment | White adjustment | 0-255 |
| $\mathrm{CH}-19$ | Dimming Mode | Mode -1 | $0--49$ |
|  |  | Mode -2 | $50--99$ |
|  |  | Mode -3 | 100---149 |
|  |  | Mode -4 | 150---255 |



| CH-23 | Dynamic pattern | No effect | 0--9 |
| :---: | :---: | :---: | :---: |
|  |  | dynamic pattern 1 | 10--11 |
|  |  | dynamic pattern 2 | 12--13 |
|  |  | .......... | ...... (2 numbers and one type) |
|  |  | dynamic pattern 93 | 194-195 |
|  |  | dynamic pattern 94 | 196--255 |
| CH-24 | Pattern translation (with 23 channels) | Select a dynamic pattern scene | 0--255 |
| CH-25 | Dynamic pattern effect speed | NO | 0--9 |
|  |  | Forward, from fast to slow(with 23CH) | 10--132 |
|  |  | Reverse, from slow to fast(with 23CH) | 133--255 |
| CH-26 | Pattern effect fade | Pattern effect fade | 0-255 |
| CH-27 | Background dimming | Background 0-100\% dimming | 0-255 |
| CH-28 | Background strobe | Background strobe | 0-255 |
| CH-29 | Pattern Back R | Pattern effect R | 0-255 |
| CH-30 | Pattern Back G | Pattern effect G | 0-255 |
| CH-31 | Pattern Back B | Pattern effect B | 0-255 |
| $\mathrm{CH}-32$ | Pattern Back W | Pattern effect W | 0-255 |


| CH-33 | Reset | No effect | $0-250$ |
| :---: | :---: | :---: | :---: |
|  |  | Reset within 5S | $251-255$ |
| CH-34 | R1 LED dimming | $0--255$ | R1 LED dimming |
| CH-35 | G1 LED dimming | $0--255$ | G1 LED dimming |
| CH-36 | B1 LED dimming | $0--255$ | B1 LED dimming |
| CH-37 | W1 LED dimming | $0--255$ | W1 LED dimming |
| $\ldots \ldots .$. |  |  |  |
| CH-226 | R49 LED dimming | $0--255$ | R49 LED dimming |
|  |  |  |  |
| CH-227 | G49 LED dimming | $0--255$ | G49 LED dimming |
| CH-228 | B49 LED dimming | $0--255$ | B49 LED dimming |
| CH-229 | W49 LED dimming | $0--255$ | W49 LED dimming |

## Model 5-206Channels

(combined with ArtNet,1~10 channels are controlled by ordinary DMX512, 11~206channels are controlled by ArtNet )

| Channel | Display | Function | Value |
| :---: | :---: | :---: | :---: |
| $\mathrm{CH}-1$ | Pan | Pan control | $0--255$ |
| $\mathrm{CH}-2$ | Pan adjustment | Pan adjustment control | $0--255$ |
| $\mathrm{CH}-3$ | Tilt | Pan control | $0-255$ |
| CH-4 | Tilt adjustment | Tilt adjustment control | $0--255$ |
| $\mathrm{CH}-5$ | Pan/Tilt speed | Speed from fast to slow | $0-255$ |
| CH-6 | Tilt infinite control | No effect | 0----55 |
|  |  | Go from slow to fast | 56----155 |
|  |  | Reverse from slow to fast | 156----255 |
| $\mathrm{CH}-7$ | Zoom | Zoom | 0-255 |
| CH-8 | Reset | No effect | 0-250 |
|  |  | Reset within 5S | 251-255 |
| CH-9 | Dimmer | dark to bright linear | $0-255$ |


|  |  | dimming |  |
| :---: | :---: | :---: | :---: |
| CH-10 | Strobe | No effect | 0---3 |
|  |  | Synchro strobe speed <br> From slow to fast (1HZ-25HZ) | 4---203 |
|  |  | Random strobe | 204--255 |
|  |  | dynamic pattern 93 | 194--195 |
|  |  | dynamic pattern 94 | 196--255 |
| CH-11 | R1 LED dimming | 0--255 | R1 LED dimming |
| CH-12 | G1 LED dimming | 0--255 | G1 LED dimming |
| CH-13 | B1 LED dimming | 0--255 | B1 LED dimming |
| CH-14 | W1 LED dimming | 0--255 | W1 LED dimming |
| .... | ...... | $\ldots$ | $\ldots$ |
| CH-203 | R49 LED dimming | 0--255 | R49 LED dimming |
| CH-204 | G49 LED dimming | 0--255 | G49 LED dimming |
| CH-205 | B49 LED dimming | 0--255 | B49 LED dimming |
| CH-206 | W49 LED dimming | 0--255 | W49 LED dimming |

## 6. Shape



## 7. Trouble shooting

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, 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.

## 8. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors 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 dit 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 20 days. Clean the internal optics at least every 30/60 days.

