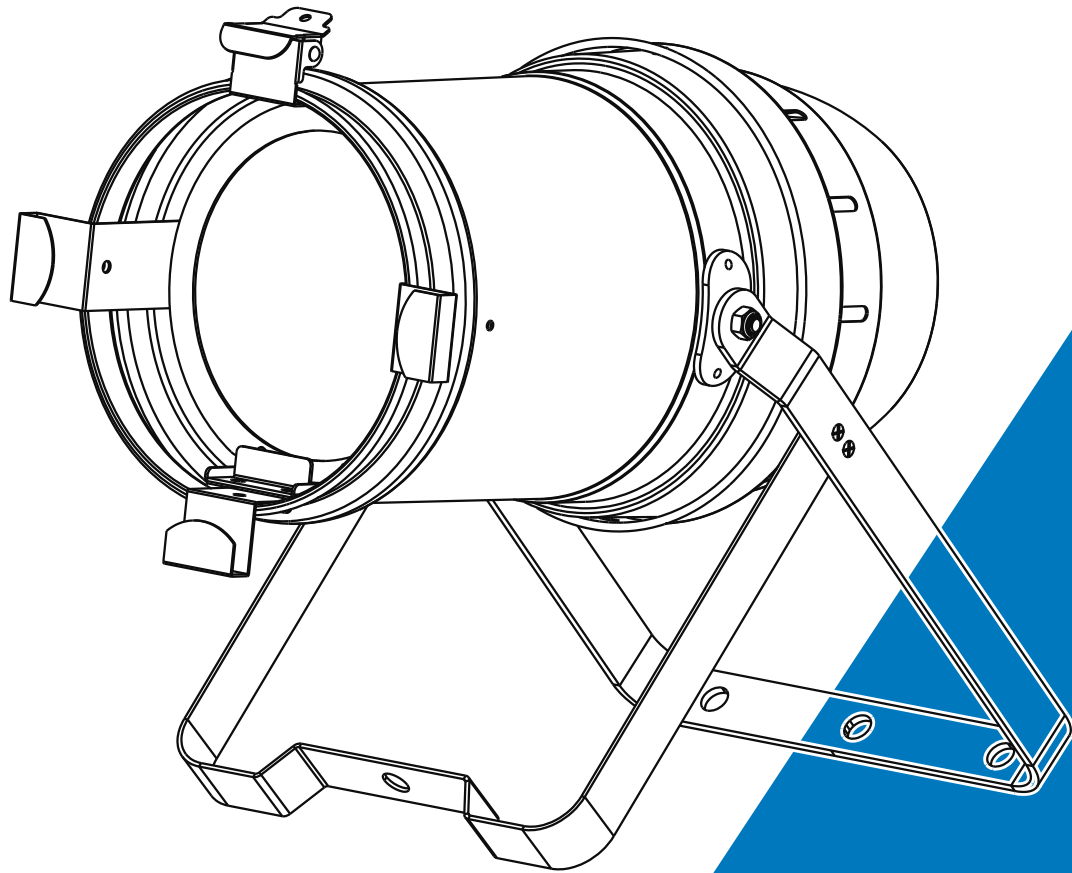




STAGE PAR 100 IP WW
STAGE PAR 100 IP CW



User Manual

Please read the instruction carefully before use

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1. Safety Instructions



WARNING

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

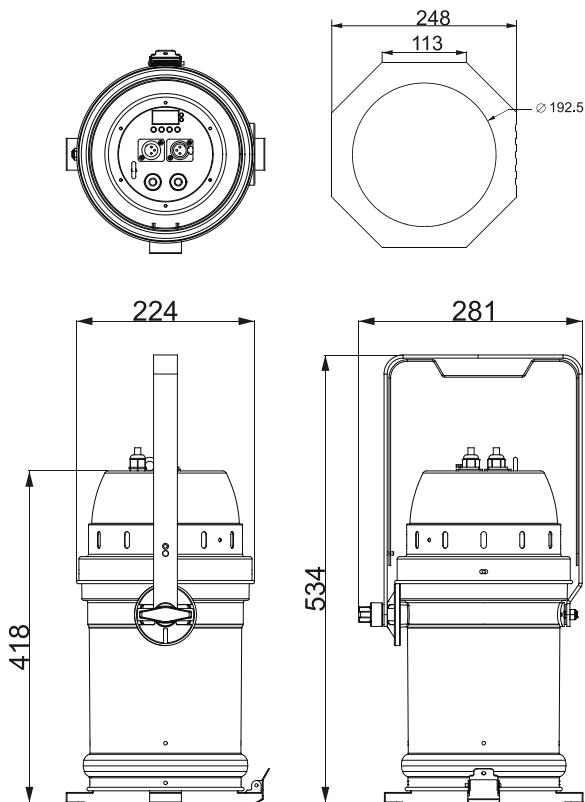
- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Please unpack and check carefully there is no transportation damage before using the fixture.
- Please disconnect main power before servicing and maintenance.
- 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.
- The maximum ambient temperature is $T_a: 40^{\circ}\text{C}$. DO NOT operate it where the temperature is higher than this.
- DO NOT connect the device to any dimmer pack.
- The housing must be replaced if they are visibly damaged.
- Unit surface temperature may reach up to 60°C . Don't 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 servicing.
- Stop using the fixture immediately and disconnect the power source for inspection if the fixture fails. Do not repair it by yourself if you are non-professional technician. For any help, please contact your nearest authorized sales or technical center.

2. Technical Specifications

- 1/2/3 channel Mode;
- Dimmer, Strobe;
- Ideal for Professional stages, Concerts, clubs, discotheques, Mobile DJs, etc.
- **Input Voltage:** AC100V~240V, 50/60Hz
- **Total Power consumption:** 105W
- **Beam Angle:** 9°/15°/20°/25°/30°
- **IP Grade:** IP X4
- **LED Sources:** CLU038-1210C4-303H5M3-F1/WW
CLU038-1210C4-573H5M3-F1/CW
- **CRI :** 90 Ra
- **Color Temperature:** LED-PAR100WW IP 3000K/ LED-PAR100CW IP 5700K
- **Dimension/Weiht:**

534 x 281 x 224mm, 4.5Kg

21"x11"x8.8" in, 9.9lbs



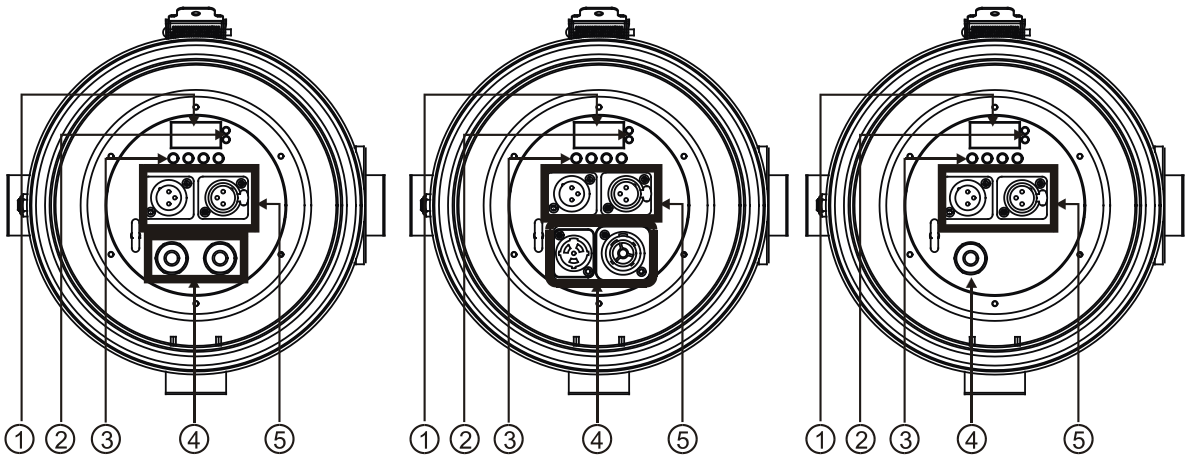
3. Installation and Connection

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. Always ensure 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 and has no one pass by or under it. The unit should be mounted in the height of 0 to 30m.

4. How to set the unit

4.1 Rear Panel



① **Display:** Show the various menus and the selected functions;

② **LED indicator:**

POWER	On	Power On
DMX	On	DMX input present

③ **Button:**

MENU	To select the programming functions
DOWN	To go forward in the selected functions

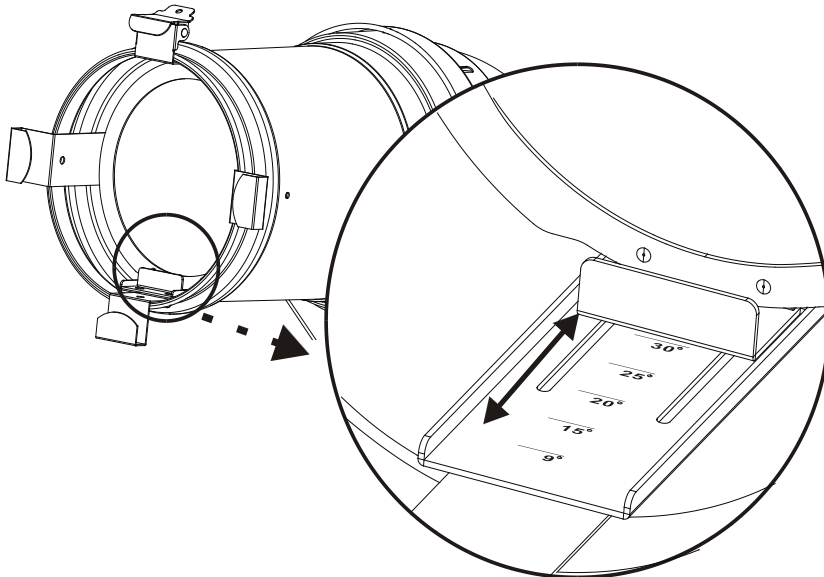
UP	To go backward in the selected functions
ENTER	To confirm the selected functions

④ **Mains input/output:** Use Powercon true one mains connection.

⑤ **DMX input/output:**

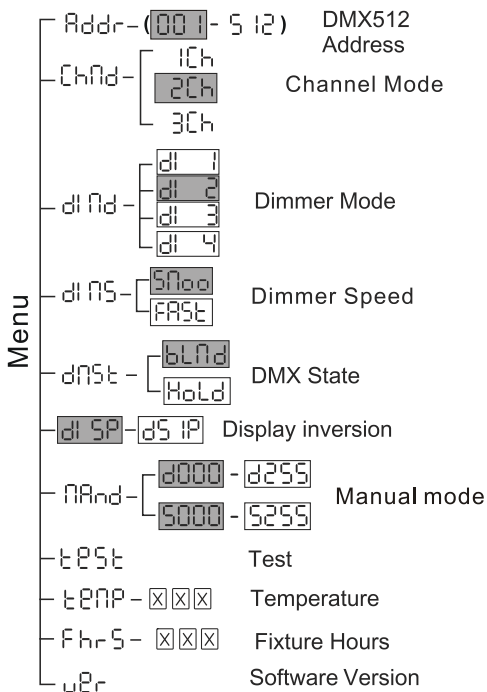
For DMX512 link, use 3/5-pin XLR plug cable to input DMX signal, and to link the next unit.

The beam angle can be adjusted manually, which is 9°/15°/20°/25°/30°.



4.2 Main Function

To select any functions, press **MENU** button until the required one is shown on the display. Select the function by **ENTER** button. Use **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press **ENTER** button to setup or it will return to the main functions without any change after idling 8 seconds automatically. Back to the functions without any change press **MENU** button. The main functions are shown below:



Addr DMX 512 Address Setting

Select the **Addr**, press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to change the DMX 512 address (001-512). Once the address has been selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds automatically. Back to the previous functions without any change press the **MENU** button.

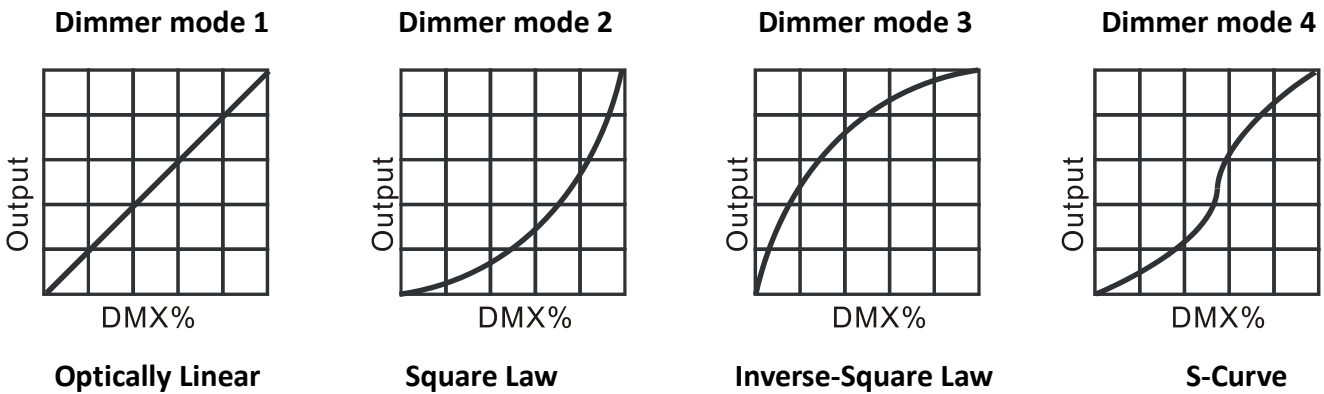
Chnd Channel Mode

Select the **Chnd**, press the **ENTER** button. Use the **DOWN** and **UP** button to select the channel mode

(1CH/ 2CH/3CH). Once the address has been selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds automatically. Back to the previous functions without any change press the **MENU** button.

di nd Dimmer Mode

Select the **di nd**, press the **ENTER** button. Use the **DOWN** and **UP** button to select **di 1** (Dimmer Mode 1)... **di 4** (Dimmer Mode 4). Once selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds. Back to the functions without any change press the **MENU** button again.



Mode 1(Optically Linear): The increase in light intensity appears to be linear as DMX value is increased.

Mode 2(Square Law): Light intensity control is finer at low levels and coarser at high levels.

Mode 3(Inverse Square Law): Light intensity control is coarser at low levels and finer at high levels.

Mode 4(S-cure): Light intensity control is finer at low levels and high levels and coarser at medium levels.

di ns Dimmer Speed

Select the **di ns**, press the **ENTER** button. Use the **DOWN** and **UP** button to select **FAST** (Fast) or **Smooth** (Smooth). Once selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds. Back to the functions without any change press the **MENU** button again.

dnst DMX State

Select the **dntE**, press the **ENTER** button. Use the **DOWN** and **UP** button to select **blnd** (Blackout) or **Hold** (Hold the last state) . Once selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds. Back to the functions without any change press the **MENU** button again.

dI SP Display Inverse

Select the **dI SP**, press the **ENTER** button. Use the **DOWN** and **UP** button to select **dI SP** (Display Normal) or **dS IP** (Display Inverse). Once selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds automatically. Back to the functions without any change press the **MENU** button again.

nAnd Manual mode

Select the **nAnd**, press the **ENTER** button. Use the **DOWN** and **UP** button to select **d000** the brightness (d000-d100) or **S000** strobe(S000-S100). Once selected, press the **ENTER** button to setup or exit menu mode without any change after 8 seconds automatically. Back to the functions without any change press the **MENU** button again.

tEst Auto Test

Select the **tEst**, press the **ENTER** button and the unit will run self-test by built-in program. To go back to the functions press the **MENU** button again. Hold and press the **MENU** button about one second or wait for one minute to exit the menu mode.

tENP Temperature Display

Select the **tENP**, press **ENTER** button and the display will show the temperature, To go back to the functions press the **MENU** button.

FhrS Fixture Hour

Select the **FhrS**, press **ENTER** button and the display will show the number of working hours of the unit. To go back to the functions press the **MENU** button.

uEr Software Version

Select the **uEr**, press **ENTER** button and the display will show the version of software of the unit. To go back to the functions press the **MENU** button.

5. How to control the unit

1. By DMX controller;

No need to turn the unit off when you change the DMX address, as new DMX address setting will be affected at once. Turn on the unit, under the DMX signal , the LED will display the saved channel address (001-512) .

6. DMX512 configuration

Channel Mode:

1 Channel Mode

Channel	Value	Function
1	0-255	Dimmer 0→100%

2 Channel Mode

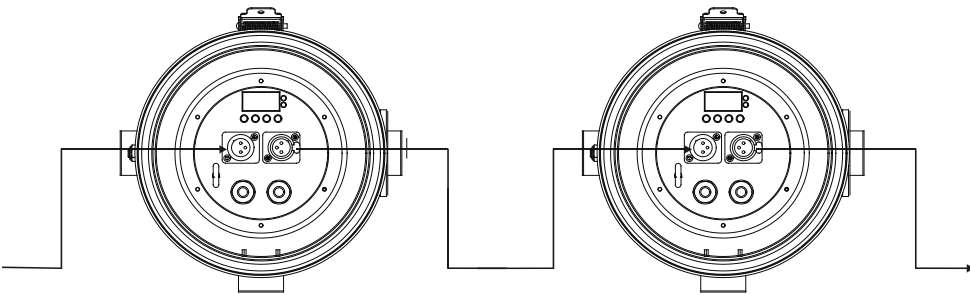
Channel	Value	Function	
1	0-255	Dimmer 0→100%	
2	0-5	Open	
	6-123	Flash Rate, slow to fast	
	124-127	Open	
	128-168	random strobe	slow to fast ▼
	169-208	random strobe	
	209-249	random strobe	
	250-255	Open	Flash

3 Channel Mode

Channel	Value	Function	
1	0-255	Dimmer 0→100%	
2	0-255	Dimmer fine	
3	0-5	Open	
	6-123	Flash Rate, slow to fast	
	124-127	Open	
	128-168	random strobe	slow to fast ▼
	169-208	random strobe	
	209-249	random strobe	
	250-255	Open	Flash

7. DMX512 Connection

Mode connection:



1. Connect the fixture together in a “daisy chain” by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a “Y” cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system
2. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units’ power is disconnected.
3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
4. Each lighting fixture 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).
5. 3/5 pin XLR connectors:
3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4: Blank, Pin 5: Blank

8.Troubleshooting

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

A. The fixture does not work, no light

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

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 fixture or the previous one.
4. Try to use another DMX controller.

Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

Error code	
Err1	Temperature Fault Check whether the lead is in good contact and disconnected Check if the thermistor is broken Check whether PCB board related circuit is damaged or not
Err2	LED Fan Fault Check whether the fan is out of operation Check whether the circuit of PCB board related detection is damaged or not

9. Fixture Cleaning

The cleaning of internal 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 fixture'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.

Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 2004/108/EC.

EN55103-1: 2009 ; EN55103-2: 2009;
EN61000-3-2: 2006 + A1:2009 + A2:2009; EN61000-3-3: 2008.

&

Harmonized Standard

EN 60598-1:2008 + All:2009; EN 60598-2-17:1989 + A2:1991;
EN 62471:2008; EN 62493: 2010
Safety of household and similar electrical appliances
Part 1: General requirements

The logo for Acme, featuring a stylized 'A' followed by the letters 'cme' in a bold, sans-serif font. A registered trademark symbol (®) is located to the upper right of the 'e'.