Code 113886

Arc Mini Wash - Control Box

GEMAR LUMITEC

3 701098 200484
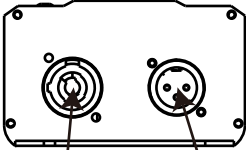
Please read carefully before use

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any
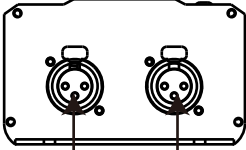
prior written notice.

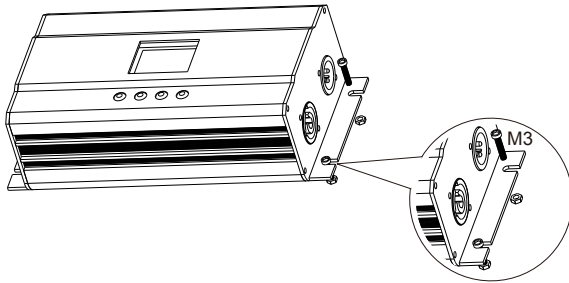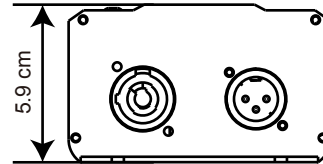# 1.Product Overview
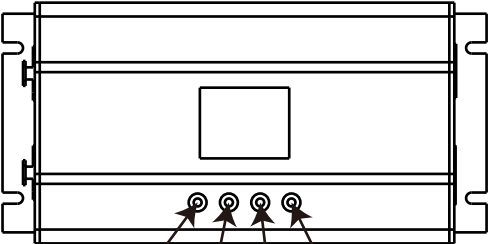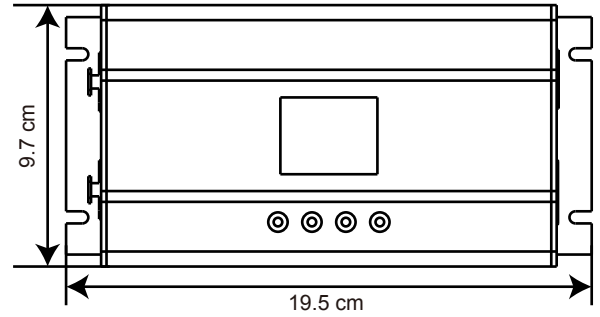
MENU   DOWN   UP   ENTER

POWER IN   POWER OUT

DMX IN   DMX OUT

10.Installation

2.Mechanical Specification

3.Introduction

The AC02 is a control box with the light controller. Its color is black in the plastic material. And the power supply unit is provided by the external switching power supply. The protection class reach the "IP20". The control box is used in the -20°c~40°c. So, it can be installed indoor environment. AC02 has won many certifications, including the CE, ROHS, 3C and so on. Besides, it can control the light through the console.

Power Set Up

Your cables should be made with a male and female connector on either end of the cable. Also remember that power cable must be daisy chained and cannot be split.

Notice: Be sure to follow figures two and three when making your own cables.Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

9.CABLE CONNECTORS

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

DMX connector configuration
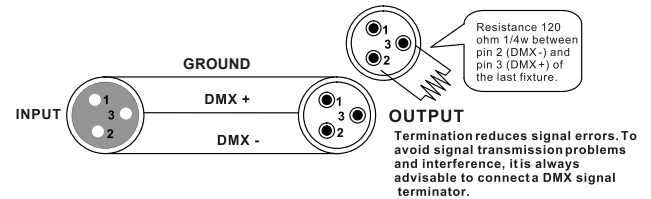
caution:Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

3-PIN TO 5-PIN CONVERSION CHART

Note! If you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

DMX connection
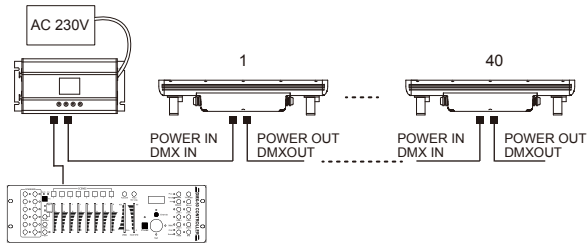
Connect 40units lights with controller, set all channels are same.

4.Technical data

- Material: Plastic
- Colour: Black
- Max Power: 5W
- Input voltage: DC 110-230V
- Control Channels: 1,3,4,7 channel
- Power supply unit: External switching power supply
- Electronically reversible: Radio Remote
- Connection: Power input and output, DNX 3 pin XLR input and output
- Protection class: IP20
- Working temperature: -20°c~40°c
- Installation: Indoor environment
- Dimensions: 169×97×58.2mm
- N.W.: 0.6kg

5.Displayer introduction

① ② ③

DMX●   temp:043

DMX
④ [ADDRESS]
001

⑤ Key lock open
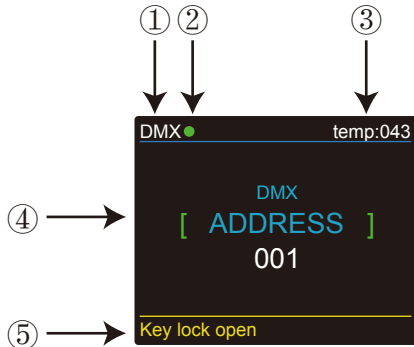
1. DMX means the light is in the DMX mode.Similarly,SLAVE means the light is in the SLAVE mode.
2. The color of the point shows the condition of signal transmission. Green represents the good condition, while red represents the signal is interrupted.
3. The item shows the working temperature of the light.When the working temperature exceeds the max temperature,the color of the letters and number will change from white to yellow.
4. This item shows the menu you selected.
5. This item shows the condition of key lock. "Key lock open" means the key lock is open.And "Key lock off" means the key lock is close.

8.POWER CONNECTION

Remote control

```
1                                40
AC 230V
          POWER IN  POWER OUT  POWER IN  POWER OUT
```
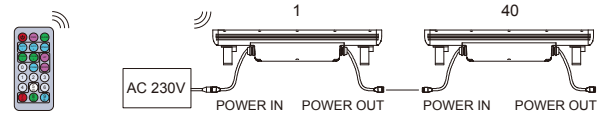
Connect 40units lights with controller, set one light on
RUN MODE , STAT COLO or AUTO ,
other 39 lights set it SLAVE-RUN.

Control box connection

```
AC 230V
          1                          40
          POWER IN  POWER OUT  POWER IN  POWER OUT
          DMX IN    DMXOUT     DMX IN    DMXOUT
```
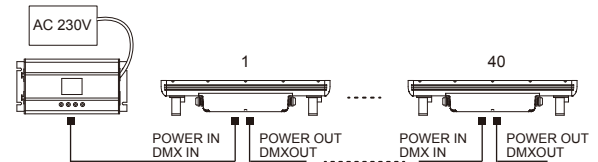
Connect 40units lights with controller.
Press the MENU button and Up button or Down button until
       or   is
showed, then press ENTER. And you will see two items.
1)Same DMX — Led Modes Differet   DMX — Led Modes Same
The lights will be showed in the same effect.
2)Different
The lights will be showed in the different effects.
When the different is showed, you need select the 3 channels.
1)Press the MENU button and UP button or DOWN button until
LOAD ADDRES is showed, then press ENTER.
2) LOAD ADDRES now is showed, then you can press the ENTER until "WAIT ONE FIX" is displayed.

108 - 111	magenta 2
112 - 115	blue 2
116 - 119	med blue green
120 - 123	dark blue
124 - 127	bright pink
128 - 131	medium blue
132 - 135	golden amber
136 - 139	deep golden amber
140 - 143	pale lavender
144 - 147	apricot
148 - 151	dark lavender
152 - 155	chocolate
156 - 159	just blue
160 - 163	surprise pink
164 - 167	scarlet
168 - 171	surprise peach
172 - 175	fire
176 - 179	english rose
180 - 183	mauve
184 - 187	bright blue
188 - 191	alice blue
192 - 195	rose indigo
196 - 199	urban blue
200 - 203	cool blue
204 - 207	Light salmon
208 - 211	mayan sun
212 - 215	cherry rose
216 - 219	flesh pink
220 - 223	skelton exotic sangria
224 - 255	amber

DMX
- Channel 001
- Channel 003
- Channel 004
- Channel 007
- Address 001 ⋮ Address 512
- Led Modes Differet
- Led Modes Same
- Fixt Number 001 ⋮ Fixt Number 073

RUN MODE
- DMX
- SLAVE

Menu Tree (left)

- SET UP
  - Display Led
    - OFF
    - ON
  - Key locks
  - Leds Dimmer RED
  - Leds Dimmer GREEN
  - Leds Dimmer BLUE
    - 000
    - ⋮
    - 255
  - Leds Dimmer ALL
- INFORMATION
  - Software V2.0.0
  - Hardware H1.0.0
  - Fix times 00001h 18m
- AUTO
  - AUTO SPEED
    - 000
    - ⋮
    - 031
  - AUTO MODE
    - 001
    - ⋮
    - 021
- STAT COLO
  - STAT RED
  - STAT GREEN
  - STAT BLUE
    - 000
    - ⋮
    - 255
  - SELET COLOR
    - 01
    - ⋮
    - 52
  - STAT STROB
    - 00
    - ⋮
    - 31
- LOAD ADDRES
- RESET

DMX 7 channel

channel	value	function
1	0 - 255	Master dimmer
2	0 - 255	red
3	0 - 255	green
4	0 - 255	blue
5	0 - 255	strobe
6	0	Off
	1 - 255	Different colourmacros 36
7	0 - 19	none
	20 - 23	red
	24 - 27	green
	28 - 31	blue
	32 - 35	yellow
	36 - 39	cyan
	40 - 43	magenta
	44 - 47	white
	48 - 51	orange
	52 - 55	pink
	56 - 59	violet
	60 - 63	aquamarine
	64 - 67	sky blue
	68 - 71	full white
	72 - 75	cool white
	76 - 79	warm white
	80 - 83	white 3200
	84 - 87	white 2500
	88 - 91	yellow 2
	92 - 95	straw
	96 - 99	orange 2
	100 - 103	light rose
	104 - 107	dark pink

7.DMX control mode

DMX 1 channel

channel	value	function
1	0	Off
	1 - 255	Different colourmacros 36

DMX 3 channel

channel	value	function
1	0 - 255	red
2	0 - 255	green
3	0 - 255	blue

DMX 4 channel

channel	value	function
1	0 - 255	Master dimmer
2	0 - 255	red
3	0 - 255	green
4	0 - 255	blue

DMX-In this menu,you can connect several pieces of lights with DMX cable and control them with control console.
1. Press "ENTER" button and then UP or DOWN button until "DMX" is showed.
2. Press "ENTER" button, and "CHANNEL", "ADDRESS", "Led Modes" or "Fixt Number" will be showed.Then press ENTER.
1) "Channel xxx" will be showed, "x" represents the showed DMX channel mode. You can press the UP or DOWN button to select your desired Channel mode.
2) "ADDRESS xxx" will be showed, "x" represents the showed address. You can press the UP or DOWN button to select your desired address.
3) "Led Modes Differet" or "Led Modes Same" will be showed
　1)Same - The lights will be showed in the same effect.
　2)Different - The lights will be showed in the different effects.
4) "Fixt Number xxx" will be showed,press the UP or DOWN button you can know the number of connection lights.

RUN MODE-In this menu, you can select DMX mode or SLAVE mode.In SLAVE mode,you can select one light as the MASTER light and other lights in SLAVE mode will run following the MASTER light.
1. Press "ENTER" button and then UP or DOWN button until "RUN MODE" is showed.
2.Press "ENTER" button, and"DMX" or "SLAVE" will be showed, then press ENTER to select your desired mode.

SET UP-In this menu, you can adjust the value of the the function.
1. Press "ENTER" button and then UP or DOWN button until "SET UP" is showed.

2. Press "ENTER" button, and there will be six options. Then,press ENTER to select the option and press UP or DOWN button to select the value you desire as below.
1) Display Led - In this item,you can select "ON" or "OFF".If you select ON,the displayer will be on all the time.And if you select OFF,the displayer will extinguish about ten seconds later.
2) Key locks - You can select whether the password is on or off in this menu , and the password is [DOWN] + [UP] + [DOWN] + [UP] .If you select "on",then you have to input the password before pressing the buttons.Otherwise,the light won't respond to your order.
3) Dimmer RED - You can adjust the red brightness in this menu.
4) Dimmer GREEN - You can adjust the green brightness in this menu.
5) Dimmer BLUE - You can adjust the blue brightness in this menu.
6) Dimmer ALL - You can adjust the brightness of each color in this menu.

INFORMATION-In this menu, you can learn about the information of software, hardware and the working time of the light.
1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.
2. Press "ENTER" button, and"Software" "Hardware" or "Fix times" will be showed. Then press ENTER, and you can see three items as below:
1) Software - This item displays the Software information.
2) Hardware - This item displays the Hardware information.
3) Fix times - This item displays the working hours about the light.

AUTO-In this menu, you can select your desire AUTO mode and adjust the running speed.
1. Press "ENTER" button and then UP or DOWN button until "AUTO" is showed.

2. Press "ENTER" button, and "SPEED" or "AUTO MODE" will be showed. Then press ENTER,and you can see two items as below:
1) SPEED - You can select your desired speed in this menu.
2) AUTO MODE - You can select your desired auto mode in this menu.

STAT COLOR-In this menu, you can adjust the value of static color and strobe speed as you like.
1. Press "ENTER" button and then UP or DOWN button until "STAT COLOR" is showed.
2. Press "ENTER" button, and there are six options. Then press ENTER to select the option and press UP or DOWN button to select the value you desire as below:
1) STAT RED - You can adjust the red brightness in this menu.
2) STAT GREEN - You can adjust the green brightness in this menu.
3) STAT BLUE - You can adjust the blue brightness in this menu.
4) SELET COLOR -You can select 52 static color in this menu.
5) STAT STROB - You can adjust the strobe speed in this menu.

LOAD ADDRESS-In this menu, you can set the new address.
1)Press the MENU button and UP button or DOWN button until "LOAD ADDRESS" is showed, then press ENTER.
2)"CLEAR ADDRESS" now is showed, then you can press the ENTER until "WAIT ONE FIX" is displayed.

RESET-In this menu, you can reset all the value of the system.
1. Press "ENTER" button and then UP or DOWN button until "RESET" is showed.
2. Press the ENTER button to reset all the value of the system.