Squareled
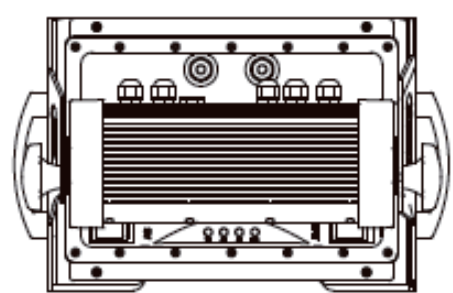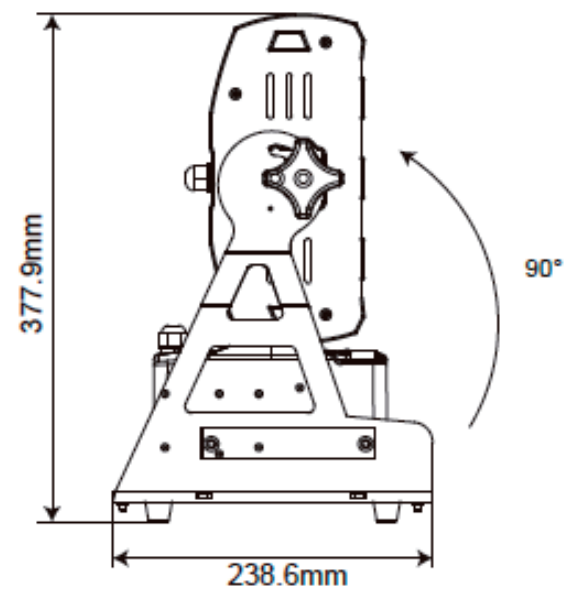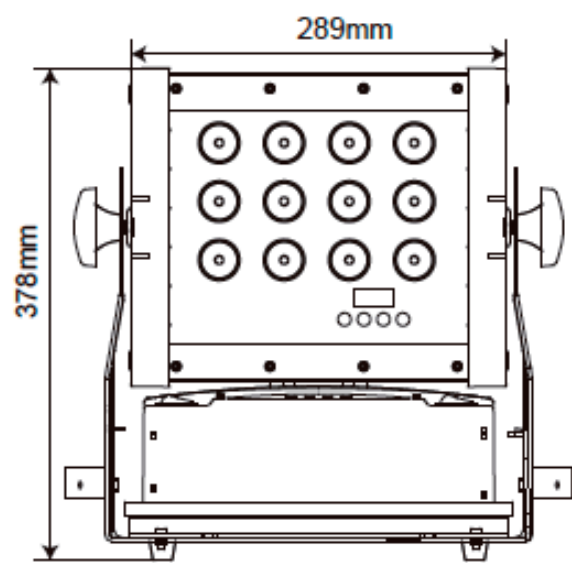
Manual | VIGOR outdoor battery pack

1. Mechanical Specification

Manual | VIGOR outdoor battery pack

2. Introduction

Unpacking

Thank you for purchasing the VIGOR OUTDOOR BATTERY PACK.

Every VIGOR OUTDOOR BATTERY PACK has been tested and shipped in perfect operating condition. Carefully check the shipping carton for damage that may have

occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact.

Introduction

The VIGOR OUTDOOR BATTERY PACK is the newest revolutionary battery powered and main supply wireless controlled colour changer with 12 powerful RGBW full color LEDs.This light can be used in a stand alone mode or connected in a Master/Slave configuration.

Our rechargeable battery pack fixture, is particularly suitable for events where set - up time is problematic, and the passage of cables is hard. Setup and configuration of the fixture by touch control panel. Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact us.

The battery life is one year.

PLEASE recycle the carton when ever possible.

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3. Safety Information

- **Installation:**
  Make sure all parts for fixing the projector are in a good state of repair. Make sure the point of anchorage is stable before positioning the projector. The safety chain must be properly hooked onto the fitting and secured to the framework, so that,if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used,it needs to be replaced with a genuine spare.

- **Minimum distance of illuminated objects:**
  The projector needs to be positioned so that the objects hit by the beam of light are at least 0.2 metres (8") from the lens of the projector.

- **Minimum distance from flammable materials:**
  The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

- **Mounting surfaces:**
  It is permissible to mount the fitting on normally flammable surfaces.

- **Maximum ambient temperature:**
  Do not use the project if ambient temperature (Ta) exceeds 40°C.

- **IP65 protection rating:**
  The equipment is fully protected against dust (first digit 6) and against jets of water (second digit 5).

- **Protection against electrical shock:**
  Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

- **Connection to the power mains:**
  A qualified electrician must perform connection to the power mains. Check that the mains frequency and voltage correspond to the frequency and voltage for which the projector was designed and indicated on the electrical data label. This label also gives the input power.Refer to the latter to evaluate the maximum number of devices to be connected to the mains to avoid overloads.

- **Maintenance:**
  Before starting any maintenance work or cleaning the projector, cut off power from the supplymains. After switching off, do not remove any parts of the fitting for at least 10 minutes. The lensesmust be mounted and, if visibly damaged, they have to be replaced with genuine spares.

- **Battery:**
  This product contains a lithium iron tetraphosphate rechargeable battery. To protect the environment, please discard the battery at the end of its life cycle according to current 40°Claw.

- **The products referred to in this manual conform to the European Community Directives to which they are subject:** Low Voltage Directive 2006/95/EC - Electromagnetic Compatibility Directive 2004/108/EC
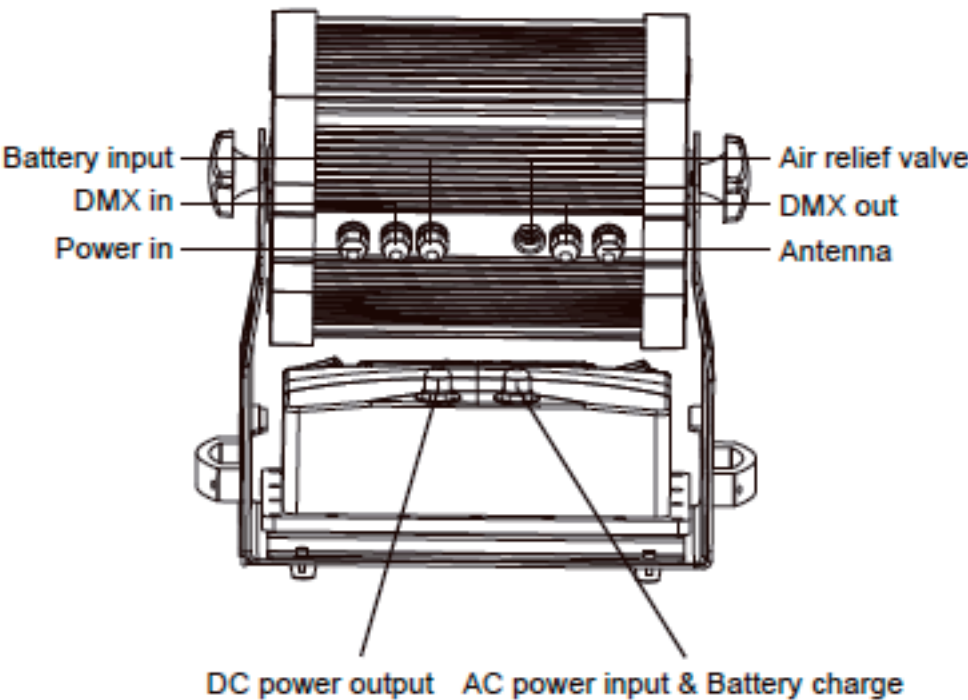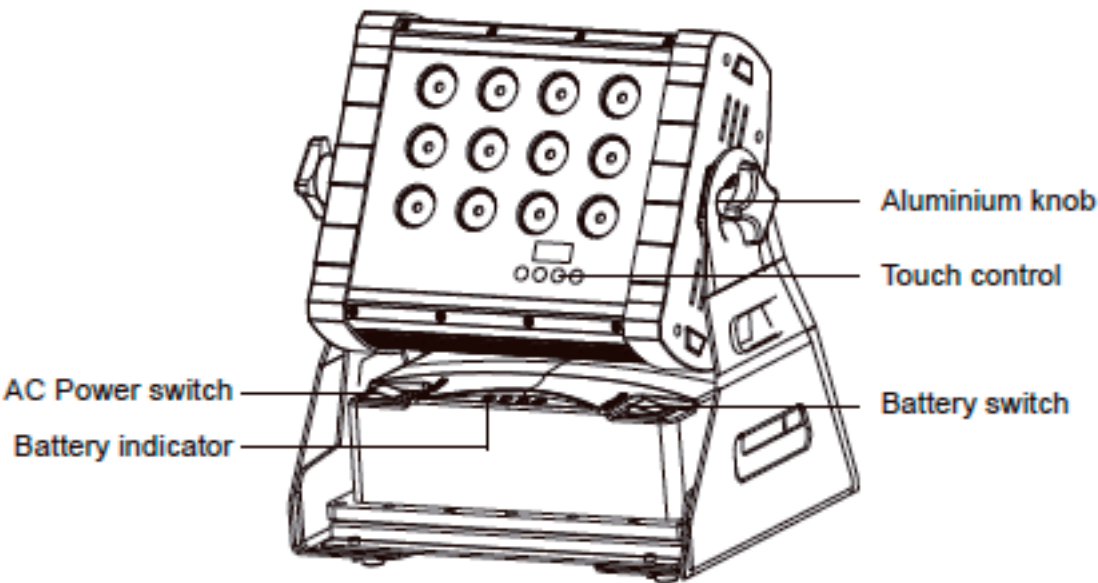
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4. Product Overview

Aluminium knob
Touch control
AC Power switch
Battery indicator
Battery switch

Battery input
DMX in
Power in
Air relief valve
DMX out
Antenna

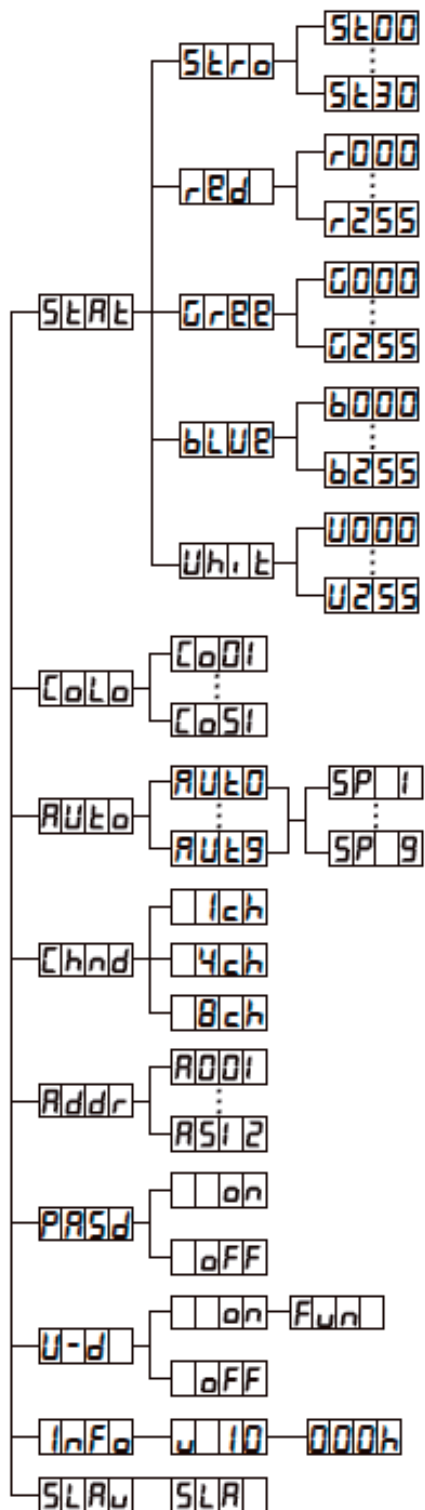DC power output   AC power input & Battery charge

Manual | VIGOR outdoor battery pack

5. Technic Data

- **Source:** 12x 8W LED RGBW 4 in 1

- **Led power:** 96W

- **Optics:** 30mm lenses standard beam 25

- **Head adjustment:** 0-120°

- **Cooling:** Natural cooling by body

- **Control:**
  Wireless DMX,Master, Slave and sound,auto mode
  Wirless module: WDMX from sweden

- **User interface:**
  LED display with touch button
  Nice battery indicator from 25-100
  Wirless indicator for connection

- **External power:**
  full range 100-240V 50-60Hz, WEIPU connector,
  for both battery charge and normal operations

- **Body:**
  Die cast aluminium
  1 bracket

- **Protection rating:** IP65

- **Battery:**
  8 hours for full on
  Color change and dimming with 16 hours
  Quality lithum battery

- **Working position:**
   Outdoor use

- **Dimension:**
  289 X 238.6 X 377.9 mm

- **N.W:** 9.6 KG

- **G.W:** 11.6KG

- **G.W:** 610. Flight case charge battery

6. Operating Instructions

```
SERE ─┬─ Stro ─┬─ St00
      │         ⋮
      │         St30
      │
      ├─ red ──┬─ r000
      │         ⋮
      │         r255
      │
      ├─ Gree ─┬─ G000
      │         ⋮
      │         G255
      │
      ├─ bLUe ─┬─ b000
      │         ⋮
      │         b255
      │
      └─ Uhit ─┬─ U000
                ⋮
                U255

CoLo ─┬─ Co01
      │  ⋮
      └─ Co51

AUto ─┬─ AUt0 ─┬─ SP 1
      └─ AUt9    ⋮
                 SP 9

Chnd ─┬─ 1ch
      ├─ 4ch
      └─ 8ch

Addr ─┬─ A001
      │  ⋮
      └─ A512

PASd ─┬─ on
      └─ oFF

U-d ──┬─ on ── Fun
      └─ oFF

InFo ── U 10 ── 000h

SLAU ── SLA
```

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7. DMX control mode

1 DMX Channel

Channel	Value	Function
1	0	Light off
	1-4	Color 1
	5-9	Color 2
	10-14	Color 3
	....	....
	240-244	Color 48
	245-249	Color 49
	250-254	Color 50
	255	Color 51

4 DMX Channel

Channel	Value	Function
1	0-255	Red
2	0-255	Green
3	0-255	Blue
4	0-255	White

8 DMX Channel

Channel	Value	Function
1	0-255	Dimmer
2	0-255	Red
3	0-255	Green
4	0-255	Blue
5	0-255	White
6	0-255	Strobe
7	0	Light off
	1 - 24	Auto 0
	25-49	Auto 1
	50-74	Auto 2
	75-99	Auto 3
	100-124	Auto 4
	125-149	Auto 5
	150-174	Auto 6
	175-199	Auto 7
	200-224	Auto 8
	225-255	Auto 9
8	0-255	Speed (slow-fast)

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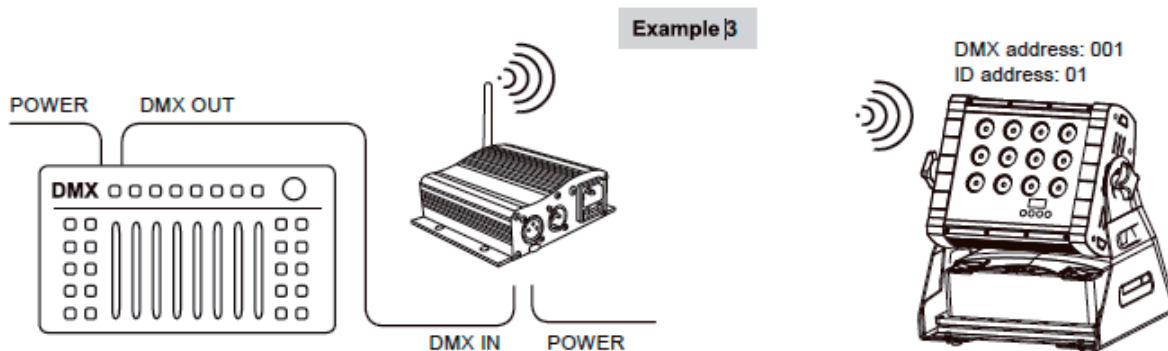
8. Connection

8.1 DMX connection
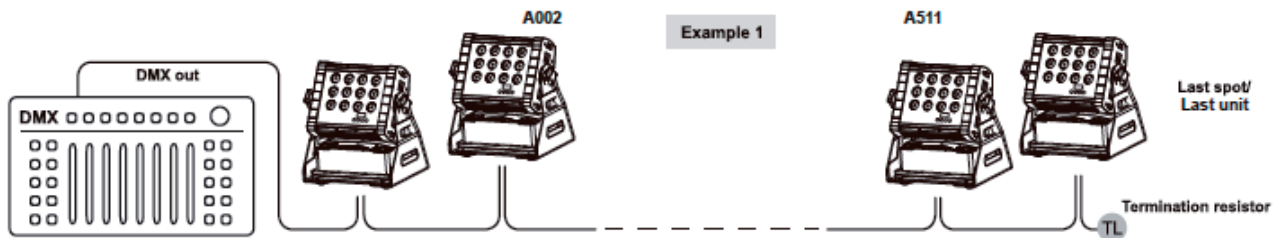
Connect all lights with controller,set all chanels are same.

8.2 Master slave connection
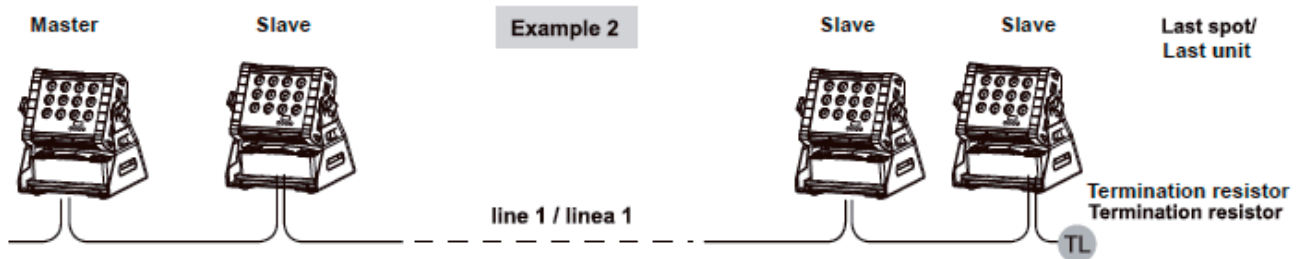
Connect all lights with controller,set one light on ⎡Auto⎤ or ⎡CoLo⎤, other all lights set it ⎡SLAU⎤—⎡SLA⎤.

8.3 Wireless connection

If use diferenct DMX sender,should cancel the DMX signal record first. Choose ⎡U-d⎤ → ⎡on⎤ → ⎡Fun⎤ press ENTER button about 10 second,until the red dot without flashing, like this ⎡⎤ that means cleaning is successful.

Connect the power cable of controller and put the DMX cable connect with DMX out button of wireless receiver. The display panel of ⎡Addr⎤ → ⎡A001⎤ ⎡U-d⎤ → ⎡on⎤ → ⎡Fun⎤ if the menu on Show a little flashing, like this ⎡⎤ then the connection is successful.

Manual | VIGOR outdoor battery pack

Stat- This menu will let you select your desired static color mode and strobe mode

1. Tap the MENU button until "Stat" is displayed, press ENTER.

2. There will be five options. Press ENTER can select the option and press UP or DOWN button can select the value you desire as below.

  1) R000~R255

  2) G000~G255

  3) B000~B255

  4) U000~U255

  5) St00~St30

Colo – Build-in color mix

1. Tap the MENU button and UP button or DOWN button until "CoLo" is displayed, press ENTER.

2. "CoLX" will now be displayed,, "X" representing a number between 0-51 will be displayed. Press the UP or DOWN buttons to select either a static color mode.

Auto - This menu will let you select your desired auto mode

1. Tap the MENU button and UP button or DOWN button until "Auto" is displayed, press ENTER.

2. "Autx" will now be displayed, You can confirm ten modes by UP or DOWN for auto mode.

Chnd - This menu will let you select your desired DMX Channel mode.

1. Tap the MENU button and UP button or DOWN button until "Chnd" is displayed, press ENTER.

2. "X Ch" will now be displayed, "X" represents the displayed DMX channel mode. Press the UP or DOWN buttons to find your desired Channel mode.

Addr - DMX Address Setting via control board

1. Tap the MENU button and UP button or DOWN button until "Addr" is displayed, press ENTER.

2. "Axxx" will now be displayed, "x" represents the displayed address. Press the UP or DOWN buttons to find your desired address.

SLav- This menu will let you select your desired Master/slave mode

1. Tap the MENU button until "SLav" is displayed, press ENTER.

2. "Sla " will now be displayed,Slave mode is confirmed. It will be slaved by auto mode sound mode and chase mode.

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**Info - This will display the software version and working time**

1. Tap the MENU button until "Info" is displayed. Press the ENTER button and the software vesion will be displayed.
2. Press the MENU button to leave this function.

PASd – Password function switch

1. When you want to lock the light, administrator can control it only.As shown as following picture:

 or

2. When the light which on the board is off,if you want to access again,must enter password.
   As shown as following picture:
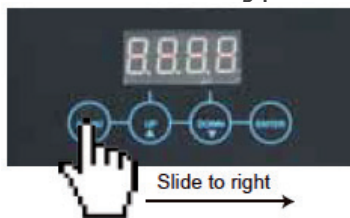
3. Finger touch the button from left to right side,screen will be shown same like:

 if screen will be shown Similar:
or

Build – in Wireless DMX System made in Sweden.

This Wireless DMX System is the ideal solution for DJ's, nightclubs, bars or for any event where you don't want data cables to be seen and when it is not easy to run data cables to your fixture(s) location. The most important is that the control distance is up to 500 wireless meter (open line of sight)

8.4 Release wireless DMX signal

Relaese signal of wireless DMX. Because there is memory function in the light the signal of sender or receiver are different,so should be cleaned old signal if use a new sender or receiver.

If use diferenct DMX sender,should cancel the DMX signal record first. Choose

 press ENTER button about 10 second,until the red dot without flashing,
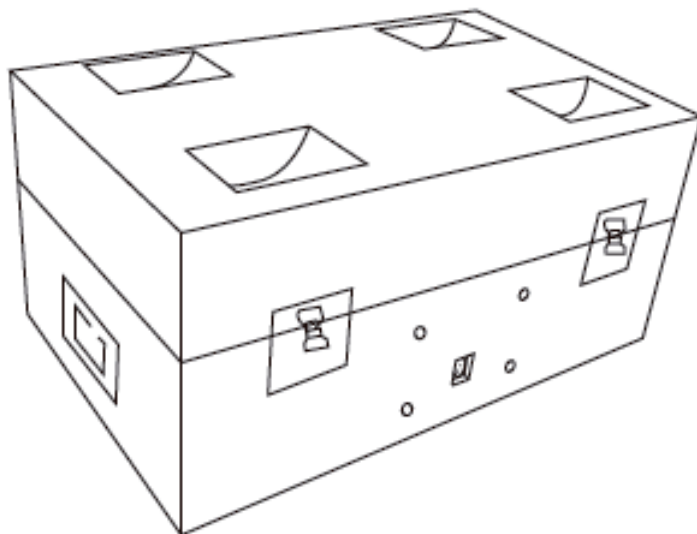
like this that means cleaning is successful.

9. Installation

Because there is lithum battery inside - the light must be upwards,can't be downwards.

10. Flight case charge battery

Open flight case,connect the inside power cable of flight case with light and then connect the outside power cable of flight case with socket.

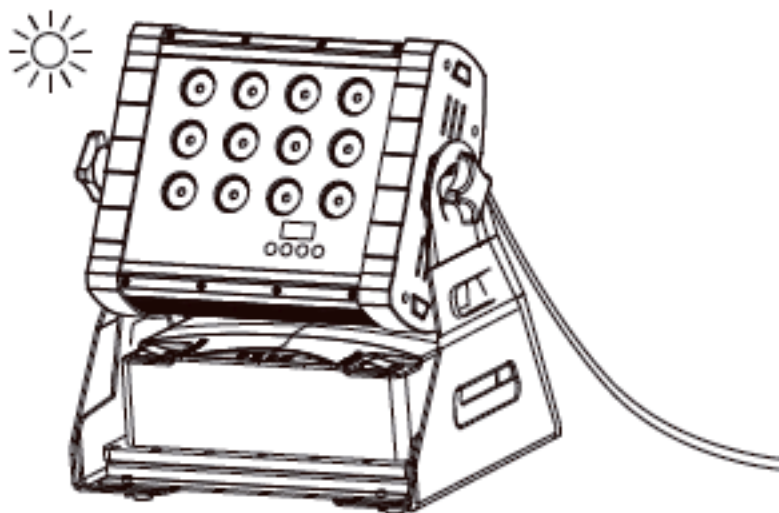# Manual | VIGOR outdoor battery pack

11. How to charge the battery

1. **The battery life indicator located on the product displays the remaining amount of internal battery life.** Use the chart below to find out how much battery life remains per charge cycle.The light to the far right flashes during charging.
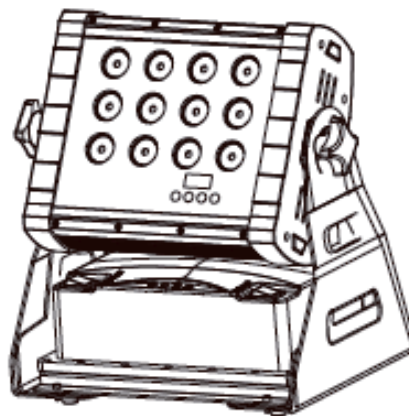
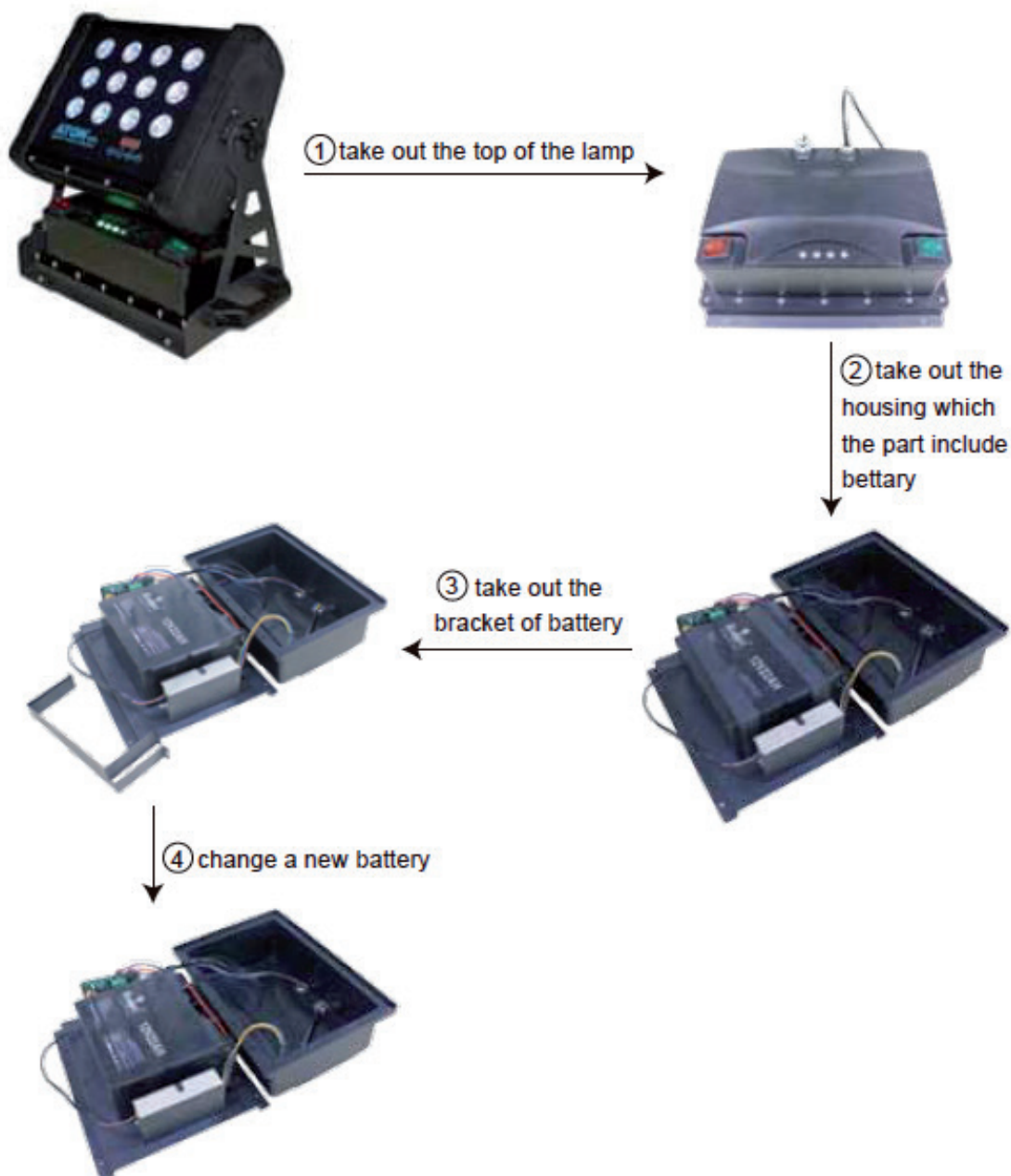
2. Light can be charged when using.

Manual | VIGOR outdoor battery pack

12. Service

12.1 Battery Manual

1. The energy of battery must be finished 100% when charge battery.

2. Should be charge one time each 3 month if do not use light.Must keep a few energy in battery,otherwise the volume of battery will be cut down 20%.

12.2. How to replace the battery

① take out the top of the lamp

② take out the housing which the part include bettary

③ take out the bracket of battery

④ change a new battery