iN ® **因特莱斯**
Intelligence Ocean

R 系列水族箱 LED 照明灯

使用手册

产品结构

吊绳固定孔　支架固定孔　吊绳固定孔

信息显示屏　功能键

连接模式：AP-直连模式/STA-网络模式

运行时间

```
08:13:16 AP    38℃
W 36  D 46  U 22
G 22  B 22  V 22
R 22  Y 22  AUTO
```

灯体温度

各通道亮度：
W 白/D 宝蓝/U 紫外/
G 绿/B 蓝/V 紫/
R 红/Y 暖白

运行状态：
AUTO 自动/MANU
手动/OFF 关闭
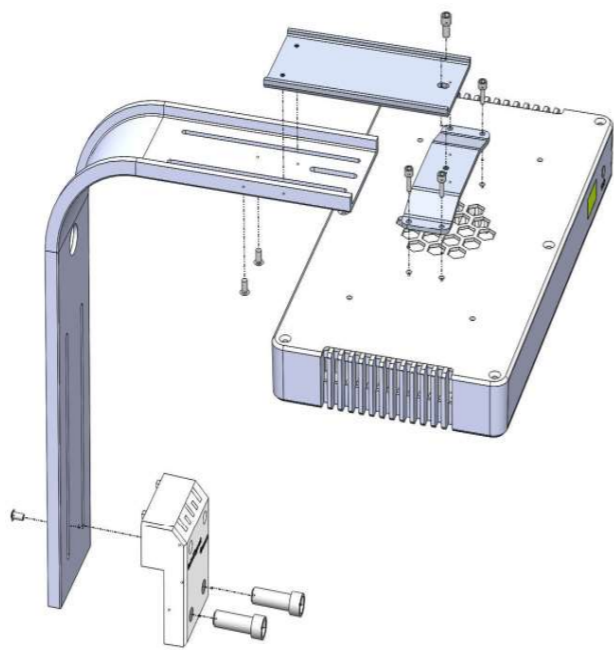
功能键的作用

①**工作状态切换**。短按 1 秒，灯光会在自动、手动、关灯三个状态间循环切换。

②**Wi-Fi 模式切换**。长按 4 秒可让设备在直连模式和网络模式间切换。切换到相应模式时液晶屏会有提示。

③**进入 Wi-Fi 密码配置状态**。长按 6 秒直到液晶屏显示"等待配置密码"，这时可设置灯具 Wi-Fi 登陆密码，以便灯具可以接入用户家庭 Wi-Fi。

网络模式连接灯具

此模式下需让灯具先接入用户家庭路由器，手机在家庭局域网内可随时打开 APP 控制灯具，不影响手机上网。
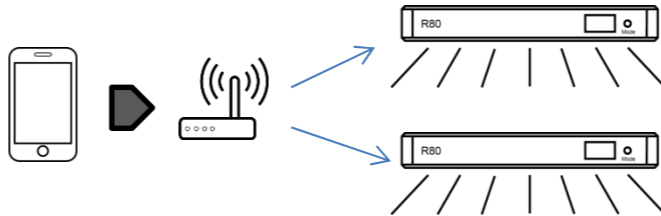

当设备开机处于"网络模式"时，如还未配置 WIFI 登录密码，会周期提示"连接 wifi…"、"连接失败"。

配置设备登陆 WIFI

手机已经连接在用户目标 WIFI ➡ 打开 APP ➡ 点击"我的"➡ 点击"添加设备"➡ 点击下一步 ➡ 输入 WIFI 密码后点击下一步 ➡ 长按设备上"功能键"直到提示"等待配置密码" ➡ 点击"配置"等待配置成功。

若配置成功，液晶屏提示"连接 WIFI…""连接成功""网络对时"。配置失败，则提示"连接失败…""直连模式"，自动转换到直连模式，用户可重试以上步骤。

手机直连灯具

此模式下灯具自身建立一个"ZK LED-XXXX"的 WIFI 热点，手机连接此 WIFI 信号进行点对点的控制。此方式适合周边没有可用 WIFI 的情况下使用，此模式灯具不能自动网络对时，在手机连接灯具时手机不可上网。

切换至直连模式

◆ 出厂默认为"**直连模式**"。

◆ 在灯具正常工作的状态下长按"**Mode**"键，直到提示"**直连模式**"。

◆ 在"**等待配置密码**"状态下，如等待超时则自动转换为"**直连模式**"。

连接

切换至直连模式后在手机的 WIFI 列表里找到名为"**ZK LED-XXXX**"的 WIFI 信号。连接密码"**123456789**"，连接后打开"**In LED**" APP，搜索到设备 IP 就可以控制了

产品介绍

这是一款专门为家庭水族箱照明而设计的 LED 灯具。本产品选用了美国 **Cree** 和 **SemiLEDs** 高端品牌 LED 灯珠作为发光体，将不同颜色波段的 LED 灯珠进行科学组合，并配以特殊设计的半球形聚光透镜阵列，可为水族箱提供高色温明亮的光线，促进珊瑚旺盛生长，同时还原出珊瑚绚丽的色彩。灯具内部集成有智能控制电路，可以模拟自然的光照变化规律，给珊瑚提供一个更加接近自然的环境。

注意事项

◇ 本灯具使用电压 110V~220V 50Hz 交流电。

◇ 本灯具电源在使用时发热是正常现象，请注意放在通风、干燥、易散热的环境使用。

◇ 灯具必须悬挂后通电使用，切勿在透镜被遮挡时通电。一旦被遮挡，会将遮挡物快速加热至高温，有造成火灾的危险，也会造成灯具自身烧损。

◇ 本灯具并不防水，切勿将灯具浸入水中，因落水造成的损坏将按损坏程度有偿维修。

◇ 海水对电路有较强的腐蚀，在使用时切勿将海水溅入灯具内。
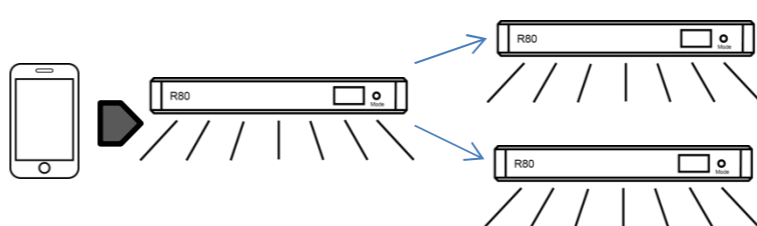
◇ 切勿让孩童触及，以免因不正当使用造成视力损伤、烫伤、触电等人身伤害。

安装图

网络模式下的多灯联控

按照上述方法将灯具逐个与同一 WIFI 信号建立连接，灯具进入工作状态后打开"In LED" APP 即可搜索到所有灯的 IP 地址并进行控制。你可以通过点击"**手动选择**"或"**设置选择**"打开多选列表来选择需要控制的灯具。一个 WIFI 名下最多可连 10 台设备，超过 10 台时请增加路由器。
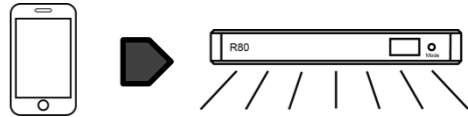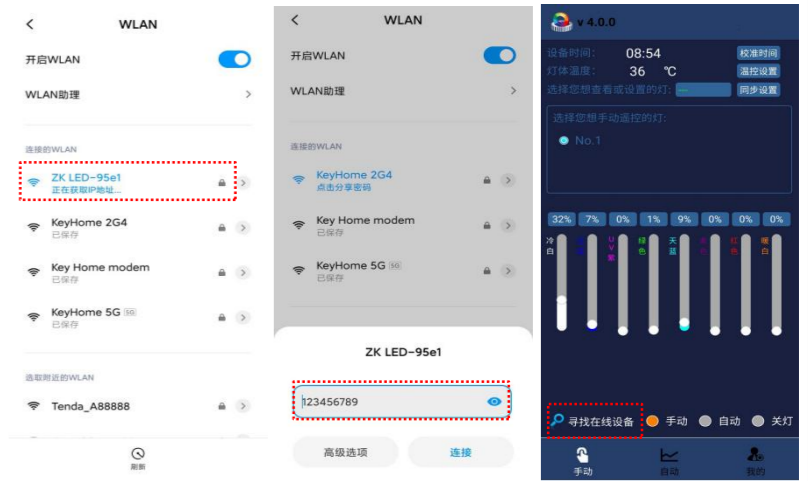
直连模式下的多灯联控

让一台灯具转换为直连模式作为路由器使用，我们称此灯为主灯。手机先连接此灯具 WIFI。然后其它灯具作为从灯依次开机，按照上述"**网络模式连接灯具**"的方法，让其进入 WIFI 密码配置状态，打开 APP 的"网络配置"页面进行网络配置，密码"**123456789**"。

特别提示：直连联控的设备多于 3 台时控制会有不顺畅的可能，此时建议用户自备一台路由器，以网络模式进行连接。

网络模式配置注意事项

1）灯具只支持 2.4G 频段 WIFI 信号，用户使用双频段路由器时请将手机连接到 2.4G 频段信号再进行网络配置。

2）WIFI 名字可以包含有英文字母大小写、数字、空格、横线、下划线，不能包含其它语言字符、特殊字符等。

3）只有手机连接到家庭 WIFI 后才可以给灯具配置网络密码，只连接移动网络不能配置，灯具配置成功后会和手机接入相同的 WIFI 信号。

4）如在 60s 内配置不成功，则灯具自动转为直连模式。

5）如果因为 WIFI 信号消失等原因使灯具失去 WIFI 连接，则每 20s 会自动重连一次 WIFI，液晶屏上会有连接提示，直到重新建立连接。

6）一个路由器（即一个 WIFI）信号最多接入十台设备，超过 10 台灯同时使用时需要增加路由器。

售后服务

本灯具一年质保，质保期间凡非人为原因（如使用非配套的电源、摔落、入水、受潮等）和自然灾害不可抗力导致的故障我司一律承担运费免费维修。超过质保期和质保期间的人为损坏维修只收零件成本费，免收维修费。

售后微信：**keyzheng**

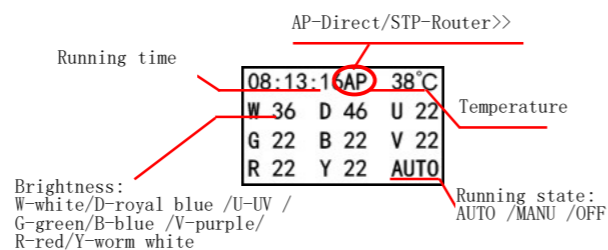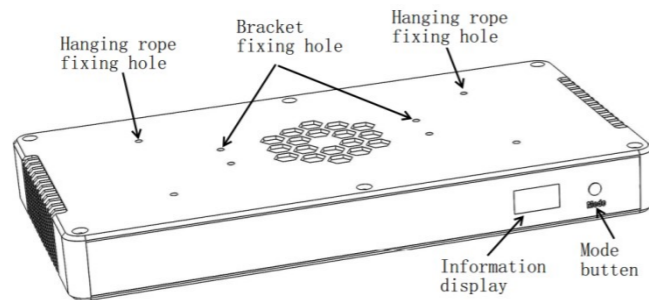E-mail：**keyzheng19@foxmail.com**

官网：**https://www.ocen8.com**　安卓 APP 下载

IOS 用户请在应用商店搜索"InLED"或"智控海洋"下载。

iN ®
Intelligence Ocean

R series aquarium LED lights

User Manual

Product structure

Hanging rope fixing hole
Bracket fixing hole
Hanging rope fixing hole
Information display
Mode button

AP-Direct/STP-Router>>

Running time

08:13:16	AP	38°C
W 36	D 46	U 22
G 22	B 22	V 22
R 22	Y 22	AUTO

Temperature

Brightness:
W-white/D-royal blue /U-UV /
G-green/B-blue /V-purple/
R-red/Y-worm white

Running state:
AUTO /MANU /OFF
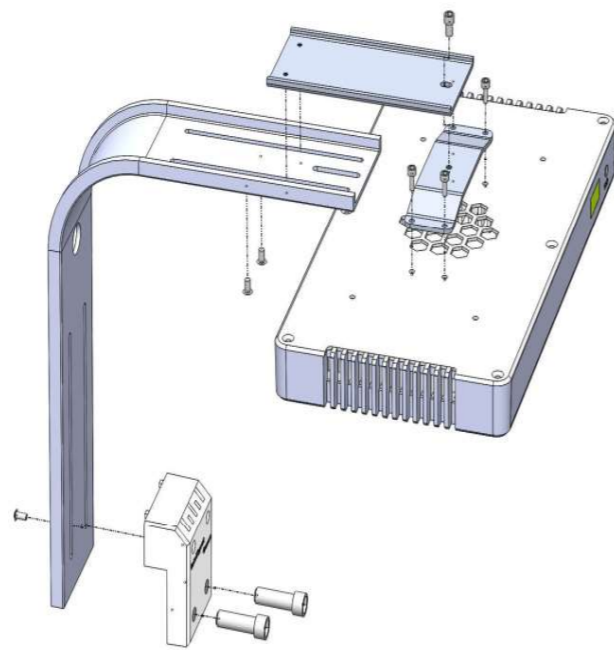
Function of mode key

① **Switch running mode**. Press the button for 1 second, and the light will rotate between automatic, manual and off state.
② **Switch WI-FI mode**. Long press for 4 seconds to allow the device to switch between Direct mode (AP) or Router mode (STP)。 The LCD screen will show information when switching to the corresponding mode。
③ **Switch to WI-FI password configuration state**. Long press the button for more than 8 seconds until the LCD displays "**waiting for configuring WIFI password**", then the light fixture WI-FI login password can be set.

Router mode

In this mode, the light fixture need to be connected to the home wireless network first, then via mobile phone can use the APP to control any time in the home LAN, without affecting the Internet access of the mobile phone.
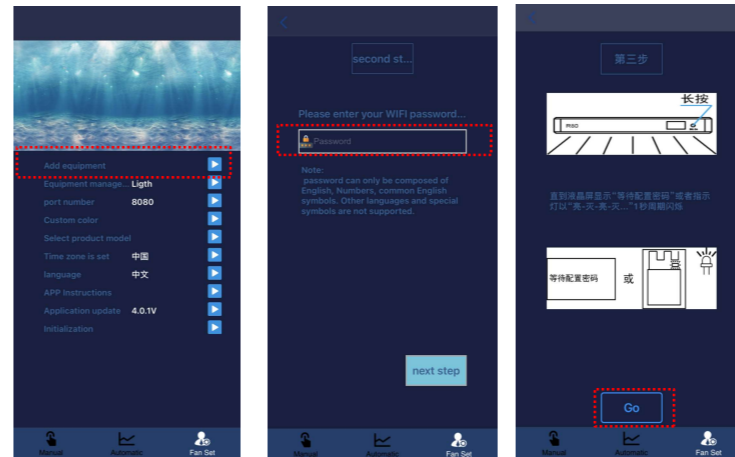

If the lamp is powered in "**Router mode**", and the WI-FI password has not been configured, "**Connecting WIFI...**", "**WIFI connecting failure**" will be displayed on the LCD periodically.
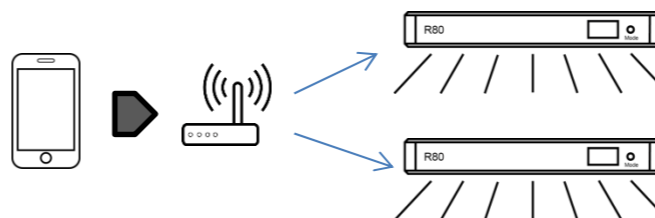
Connect the device to WIFI

The phone connects to the target WIFI ➡ Open the APP ➡ Open "ME" page ➡ Click "add device" ➡ Click Next ➡ Enter WIFI password and Next ➡ Long press the button to display "**Waiting for configuring WIFI password**" ➡ Go。
If successful "**Connecting WIFI...**" "**WIFI Connected!**" "**Synchronize network time···**" would be displayed。 If failure, "**WIFI connecting failure**" "**WIFI AP mode**" would be displayed, Automatically switch to AP mode. Please try again.
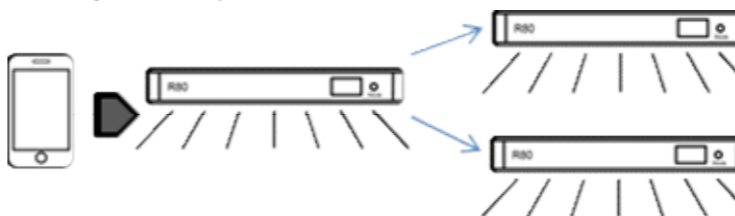

Direct mode

In this mode, a "**ZK LED-xxxx**" wifi hotspot will be established. The mobile phone directly connect to this WIFI for control。 In this way, the light fixture cannot be automatically timed on the network. The phone is not connected to the Internet when it is connected to the light fixture.
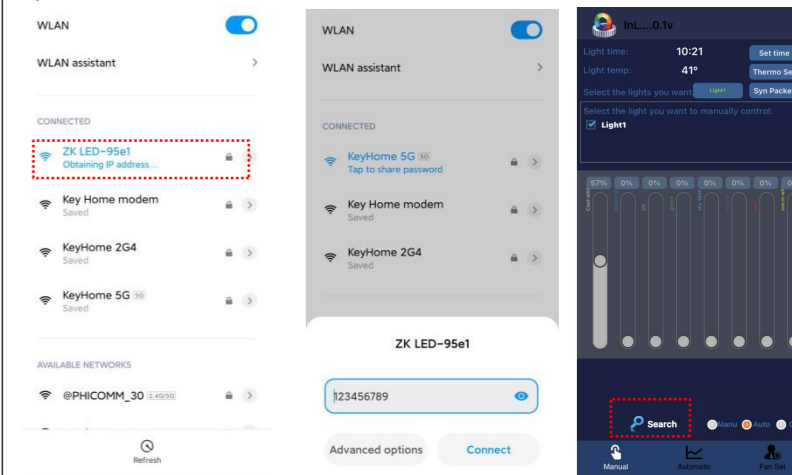

Switch to Direct mode

◆ Long press the "Mode" key until "**AP Mode**" is displayed.
◆ In the "**Waiting for configuring network code** " state, if the wait timeout occurs, it will automatically switch to "AP mode".

Directly connect

In this mode, a WIFI signal named "**ZK LED-xxxx**" will be found in the WIFI list of the phone. Connected on it, the password is "**123456789**". After connection, open "In LED" APP and search the device IP to control it.

Product introduction

This is a specially designed LED lights for reef aquarium. This product uses **Cree** and **SemiLEDs** high-end LEDs as luminous body. Scientifically combine LEDs in different color bands，Uses a specially designed hemispherical lens array. Provide bright high color temperature illumination for your reef aquarium. It is very good for coral growth & show fantastic coloration of your coral. A Intelligent controller is integrated inside the product，Let the lights mimic natural reef light patterns，Create a more natural environment for corals.

Matters needing attention

◇Operating voltage is 110V~220V 50Hz AC.
◇It is normal for light fixture and power adapter to generate heat during use. Please put them in a ventilated and dry environment.
◇The lamp must be used after hanging，Do not obstruct the lens. If blocked, the lens will heat up and damage the lens & light fixture or even lead to fire.
◇This light fixture is not waterproof, do not immerse in water.
◇Seawater has strong corrosion to the circuit board. Do not splash seawater into the light fixture during use.
◇Keep out of reach of children to avoid visual injury, scald, electric shock and other injuries caused by improper use.

Assembly diagram

Multi-light fixture joint control in Router mode

Let the light fixture connect to the same WIFI signal one by one, Open "In LED" APP, search IP addresses of all lights and control them. You can select the lamps that you want to control by opening a multiple selection list。 A maximum of 10 devices can be connected to one WIFI device. If more than 10 devices are connected, please add a router.

Multi-light fixture joint control in AP mode

Let one light fixture switch to "**AP mode**" as a router. The mobile phone is connected to the WIFI of this lamp first。 The other lights switch to "**Waiting for configuring network code**" state, refer to the "**Router mode**" to connect this wifi one by one，the wifi password is "**123456789**"。
Tips: In this mode, when there are more than 3 light fixture, the control may not be smooth. It is suggested that the user should prepare a router, and all lights should be connected to the WIFI signal of the router in router mode.

Router mode considerations

1) Light fixture can only be connected to 2.4GHz band WIFI signal，Connect your phone to a 2.4GHz signal when using a dual-band router.
2) WIFI name must be English letter case, number, space and underline, can not contain other language characters and other characters.
3) The light fixture can be configured with the network password Only when the mobile phone is connected to the home WIFI. It cannot be configured in the mobile network. The lamp will access the same WIFI signal as the mobile phone after being configured。
4) If the device is not successfully configured within 60s, the lamp will automatically switch to AP mode.
5)If the light fixture loses the WIFI connection due to the disappearance of WIFI signal or other reasons, the WIFI connection will be automatically reconnected every 10s until the connection is re-established.
6) A router (WIFI signal) can be connected to up to 10 devices, If more than 10 light fixture are used at the same time, routers need to be added.

After-sales service

This lamp is guaranteed for one year，During the warranty period, all non-human reasons (such as using non-matching power supply, falling, water entering, water ingression, etc.) and failure caused by force majeure caused by natural disasters, our company shall bear the freight for free maintenance. Beyond the warranty period and warranty period of artificial damage repair only charge the cost of parts, free of maintenance costs.
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