

# Rcexl On Board Glow System Instructions

ITEM::2214

1: The input voltage of the On Board Glow System is 7.4V to 12.6V, and output voltage is divided into two files: 1.4V at the beginning, enhanced stability with 0.8V, conversion efficiency is more than 90%, but it is recommended to be placed in the controller in the ventilated position.

2: The controller has two control modes: signal control through receiver and button control. They have the same control priorities and are independent of each other.

## **Receiver control:**

- a. Initiating mode --2.0ms~1.68ms output 1.4V
- b. Stabilized mode --1.68ms~1.3ms output 0.8V
- c. Shutdown --<1.3ms (including button control) output 0V

## **Button control:**

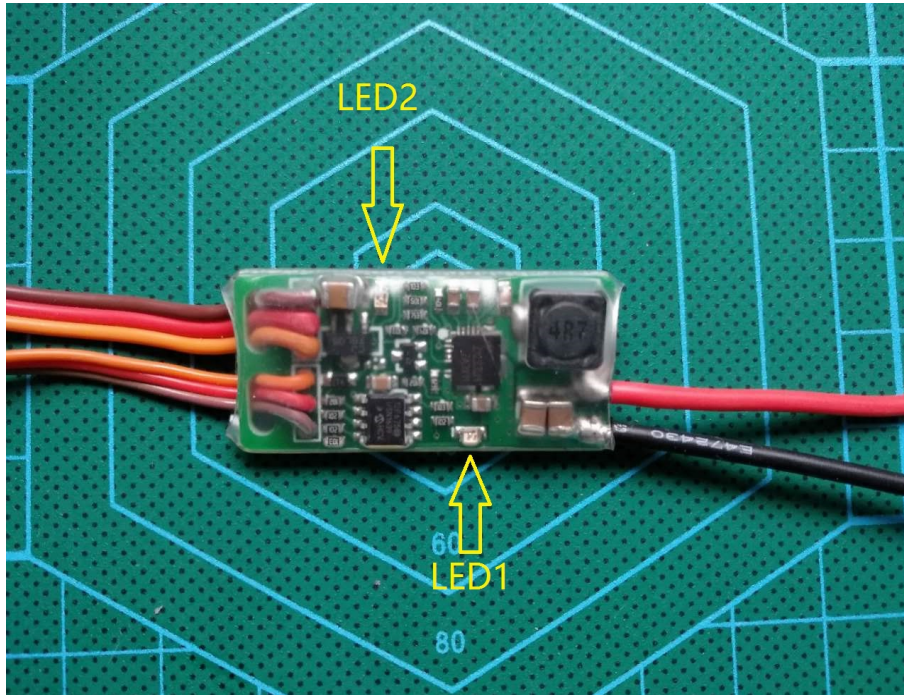
Ⓐ Initiating mode: After pressing the button momentarily, the controller enters the initiating mode, the button on the indicator lights, and outputs 1.4V voltage at the same time. After 25 seconds, it automatically shuts down and the indicator light is out.

Ⓑ Starting augmentation steady modes: Long press the button (for 3 seconds or above), light starts to blink. Then loose the button, the controller will enter the initiating mode, the light keeping on, outputting voltage of 1.4V. After 25 seconds, the controller will switch to augmentation steady modes, the indicator light blinks slowly, outputting voltage of 0.8V continually.

© Shutdown: When it is on, a short press button will close the controller output, and the indicator goes out. (including under the receiver control).

### 3. Attention:

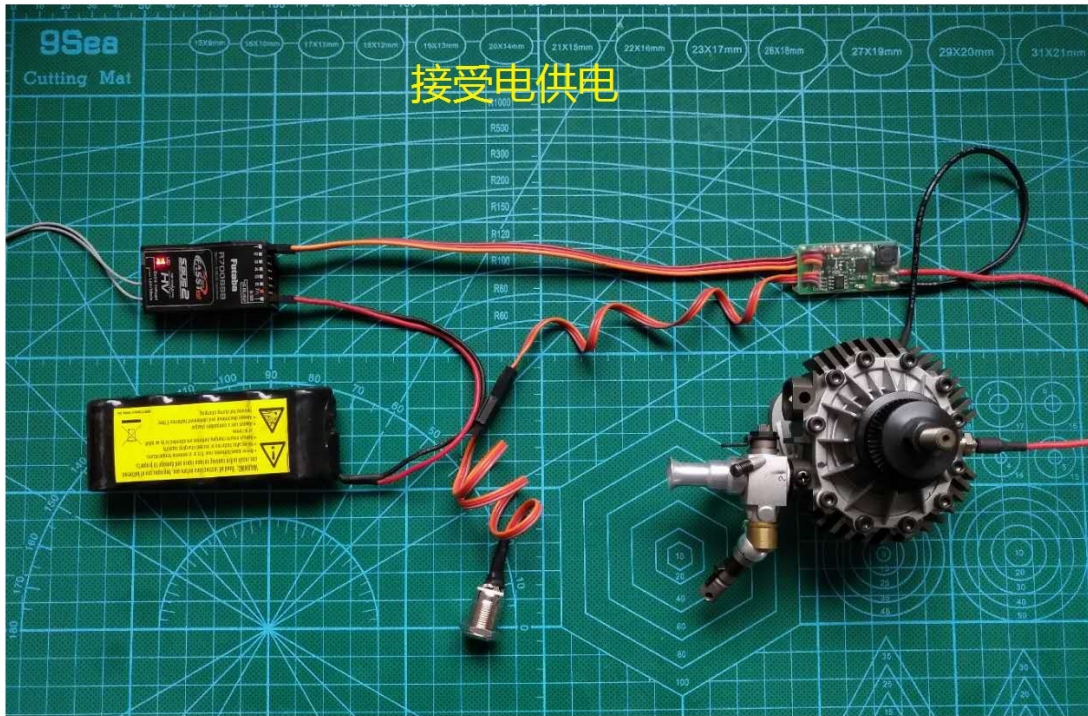
The controller does not have low voltage protection, please pay attention to the battery power when you use it. (2S lithium batteries is recommended)



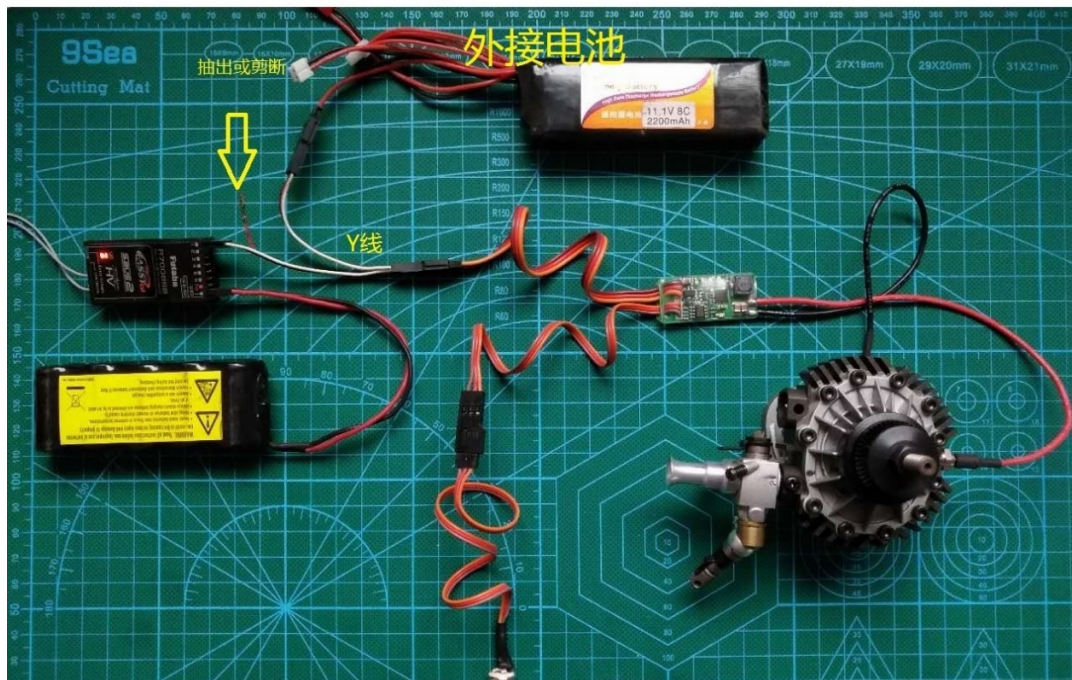
**LED1:** Synchronize with button indicator

**LED2:** The Glow fault instruction, If the hot wire of the Glow is burnt out, LED2 will be off; If it is normal, LED2 will keep on. (only when the controller is off can the Glow be correctly detected)

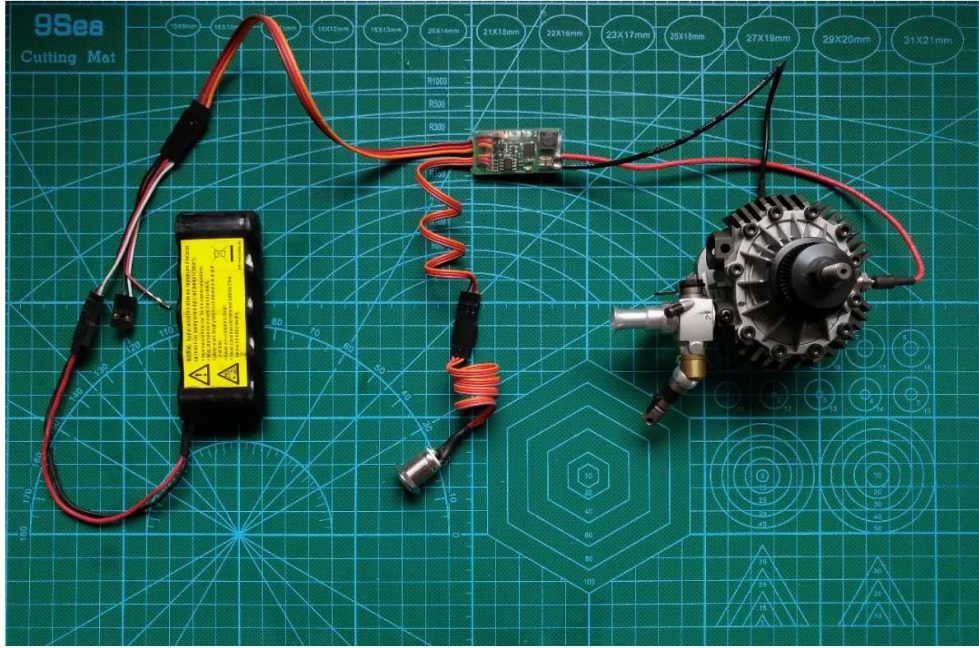




Receiver power supply connection diagram



Connection diagram of external battery power supply



(no receiver) Button control wiring diagram

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Jinhua RC Electronic CO., LTD

[HTTP://WWW.RCEXL.COM](http://WWW.RCEXL.COM)

Sales email: [rcexl@vip.163.com](mailto:rcexl@vip.163.com)

Support email: [rccdi@163.com](mailto:rccdi@163.com)

