

USER INSTRUCTION

Main function description:

1. The remote control can turn on and off the surfboard power when the cloud does not send the mandatory power failure command.
2. Remote control function.
3. The waterproof function of the remote control.
4. Wireless charging function.
5. The remote control sets the contest mode function.
6. The cloud can adjust the parameters (setting the maximum throttle 40% to 100%, forcing the power off, sending the state packet frequency)
7. Surf board status (power switch state, forced power outage status, 60V battery pack voltage, motor speed, electrical temperature, and competition mode) are sent to GPRS module regularly, then sent to the cloud.

【 remote control description 】

A key

The first yellow light on the left shows the game mode. (bright represents the competition mode and the extinction represents the normal mode.) Flashing, indicates that the power to turn off the power supply in the cloud.

4 blue lights in the middle, showing the surfboard battery voltage.

【 remote control LED indicator 】

Enter the code: the first blue light on the top, the second blue light at the same time, the other lights are not on.

Enter the code: the first blue light on the top, the second blue light, the other lights are not on.

Poor communication IC: the first blue light is shiny and the other lights are not on.

Communication lost: the second blue light is bright, the other blue light is not bright. The green light works normally.

Failure of the potentiometer: the third blue light is shining and the other blue light is not bright. The green light works normally.

[remote control 4 blue light can distinguish main power switch state]

Main power switch closure: 4 blue light indicating voltage.

4 lights: $4.00 \times 14 = 56.00$ (V)

3 lights: $3.80 \times 14 = 53.20$ (V)

2 lights: $3.60 \times 14 = 50.40$ (V)

1 light: $3.40 \times 14 = 47.60$ (V)

1 light flash:

Main power switch off: 4 blue lights at the same time. (when switching off main power)

Communication lost: the second blue light is bright, the other blue light is not bright.

【 remote control voltage indication 】

Two yellow lights on the right display: full light: voltage >3.90V

Left out, right bright: voltage >3.60V

Left out, right flashing: voltage <3.60V (low voltage)

【 remote control operation 】

Long button 3 seconds, remote control switch machine.

Short button 1, enter or exit race mode.

Button 2, open and close surfboard power.

When the remote control is off, the button will be pressed for 3 seconds, the remote control will be switched on, and the key will not be placed (waiting for 4 seconds), entering the code mode.

In normal mode, push the throttle potentiometer and the surfboard motor turn. Release the throttle potentiometer and the surfboard motor stop

[remote control and receiver pair code operation]

1. The receiver is out of power.
2. The remote control is off. Press the button 3 seconds, the remote control starts, the key is not put (wait 4 seconds), enter the code mode, 2 blue light flash quickly.
3. The receiver is energized. Check the remote control to code command, enter the code mode, within 3 seconds to complete the code work. You can see the remote control automatically pull out of the code mode.

[receiver:]

With 14S battery, the battery voltage is connected with 10K ohm resistor and then connected to receiving plate.

The Batt Vol of the receiver is connected to the main power switch, namely the power supply, to indicate the state of the main power switch.

Boot, the receiving plate outputs 1.0ms throttle signal.

The throttle potentiometer, the throttle signal is changed at 1.0 to 2.0 ms.

Without RF connection, after 300ms, the throttle output is forbidden and the electricity is transferred into a state of emergency.

Without RF connection, 3min automatically switches off main power switch.



【 remote control control surfboard power switch, summary】

The RF is not connected, and the remote control automatically shuts down for 3 minutes.

The remote control 4 blue lights are all extinguished, indicating that the surfboard power is off, short button 2, and open the surfboard power supply. When you turn on the surfboard power, the blue light shows the battery voltage. Competition yellow light represents the competition mode and the extinction represents the normal mode. (flashing, means that the cloud forced off the surfboard power.)

When the surfboard power is opened, press the button 2 and turn off the surfboard power.

The surfboard battery is low voltage and a blue light flashes. The remote control motor vibrates 300ms every 20 seconds.

Remote control battery low voltage, 1 yellow light flashing.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.