

## The function instruction for the receiver of remote control neon dog collar

### **1.Electrical Properties**

1.1 Charge Port: TYPE-C. Max supportable through-current is 1A. Max durability is more than 10000 times.

1.2 Charging parameter: It's suitable for DC 5V/350mA. Charging time is about 4 hours. When the charge indicator light is flashing, it means it's on the process of charging. After it's charged fully, the charge indicator light will be constant light.

1.2.1 On the process of charging, the device will be impossible working normally.

1.2.2 If it's charged after deep discharge (battery voltage  $\leq 3.1V$ ), it will enter into trickle charging mode, and the charge indicator light will be impossible working.

1.2.3 If you plan not to use it for a long time (more than 6months), you'd better charge it fully before stopping use, otherwise it will effect battery's cycling life.

1.2.4 Please cut off the power immediately after charging it fully. And the Max supportable charge voltage is 6.5V.

1.3 Discharge time: After charge it fully (charge indicator light is constant light), please start it by press button.

1.3.1 It will enter into slow flash mode after starting. The mode's working time is about 7 hours. When the battery is nearly empty, it will switch into intermittent flash mode. Please charge asap, otherwise it will enter into deep discharge mode.

1.3.2 Only after starting, it will receive the signal from the remote control.

1.3.2.1 After it receive the signal of constant light from the remote control, it will enter into constant light mode and send back a signal to the remote control. The mode's working time is about 4 hours. When the battery is nearly empty, it will switch into intermittent flash mode. Please charge asap, otherwise it will enter into deep discharge mode.

1.3.2.2 After it receive the signal of quick flash from the remote control, it will enter into quick flash mode and send back a signal to the remote control. The mode's working time is about 7 hours. When the battery is nearly empty, it will switch into intermittent flash mode. Please charge asap, otherwise it will enter into deep discharge mode.

1.3.2.3 After it receive the signal of slow flash from the remote control, it will enter into slow flash mode and send back a signal to the remote control. The mode's working time is about 7 hours. When the battery is nearly empty, it will switch into intermittent flash mode. Please charge asap, otherwise it will enter into deep discharge mode.

### **1.4 Battery Properties**

1.4.1 Charge and Discharge Cycle: 500 cycles.

1.4.2 Battery type: Polymer lithium Battery.

1.4.3 Battery size: 40 x 30 x6 mm.

1.4.4 Battery capacity: 650 mA/H.

1.4.5 Battery voltage: 3.7V.

### **2. Starting up.**

- 2.1 Press the button starting, please check the battery voltage firstly.
  - 2.1.1 If the battery voltage is within the working range, it will be started, and the light is on. At the same time, please start up the remote control, as the light is on, waiting for the signal from the remote control, and then execute the remote control's command (like shut off, constant light, quick flash and slow flash and etc.)
  - 2.1.2 If the system voltage is within the low voltage range, when it be started and it will enter into intermittent flash mode, which remind to be charged asap, and it will not execute the remote control's command.
  - 2.1.3 If the system voltage is within the undervoltage range, it will enter into deep sleep (it can't be started), please charge it fully and then start. Firstly, it will enter into trickle charge mode, and then the charge indicator will not work. Only after it enter into low voltage range, it will exit the deep sleep mode.

### **3. Shutdown**

- 3.1 At the status of starting, it will be shut off if you press the button again. Shut off and standby, and the system will enter into sleep mode after 10 mins.
- 3.2 At the status of starting, if the system receive the signal of shutdown from the remote control, it will enter into the sleep mode.
- 3.3 Standby current < 25Ua (battery voltage 3.7V).
- 3.4 On the process of charging, the system will be powered off. These modules include the control module, driver module, sending module all will enter into sleep mode. Only the charge module will work.

### **4. Environment**

- 4.1 Working temperature: -30°C to 40°C.
- 4.2 Working humidity < 85%.
- 4.3 Store temperature: -40°C to 60°C.
- 4.4 Store humidity < 85%.
- 4.5 Reference data: the data mentioned in this instruction is measured at one standard atmosphere with 26°C.
- 4.6 Temperature and battery: the battery's capacity is reduced as the lower temperature.

### **5. Protection Grade**

- a) IP protection grade: Accord with IP42 standard.
- b) UV resistance grade: Accord with grey card level 4.
- c) Electrostatic protection: human-body mode is 4KV, mechanical mode is 2KV.

### **6. Device match code**

- 6.1 After starting and entering into the slow flash mode, please press the code button, the strip light will be shut off, and then the code indicator light is flashing, and lastly the device will enter into the matching code mode.
- 6.2 Please press any button of the remote control, the code indicator light will be shut off, and lastly the code is matched successfully.
- 6.3 Restart the device, and then it can be operated by the remote control.

**Warning:**

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:**

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.

**FCC Statement:**

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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment.