



# Product Manual

## ZEYI Left Hander Mechanical Keyboard Flagship Edition



**Patent for utility models: ZL 2022221330430.X**

**China National Copyright Center: 2022-F-10222672/ 673、2022-F-10222670/ 675**

**Patented product, Counterfeiting not allowed!**

ZY-2216/ZY-2218 is left-hander mechanical keyboard flagship edition developed by ZEYI. It features full key macro customization (you can change the keys yourself), 19 RGB lighting effects (you can also customize the color of the lighting effects), a hot swappable switch base (you can exchange the switches yourself, three or five pin switches are also available), a 1.6mm thick aluminum alloy upper cover, a 1.8-meter customized magnetic ring data cable (with strong anti-interference power of the magnetic ring), a bottom cover with three-way wiring, a two-stage tripod, two TYPE-C interfaces (can be connected to an external HUB docking station), and a physical side key switch (WIN and MAC systems can switch with one click).

The triple mode keyboard can be connected to 5 devices and can be switched by one button.

## 1、Keyboard Appearance



ZY-2216 Conquer the Ocean 108 keys



ZY-2218 Conquer the World 111 keys

## 2、Sleeping Modes and Bluetooth, 2.4G wireless

①. Power-saving Mode: after 5 minutes of no key operation on the keyboard, the backlight will turn off. Press any key to wake up the keyboard backlight and reconnect to Bluetooth or 2.4G wireless.

②. Deep Sleeping: after 30 minutes of no key operation on the keyboard, it will enter deep standby mode. The wireless connection will be disconnected and put into sleeping mode. Press any key to wake up the keyboard backlight and reconnect to Bluetooth or 2.4G wireless.

③. The Bluetooth position on the keyboard are the Q/W/E keys, with wireless symbols engraved on the key caps representing Bluetooth channels 1, 2, and 3, respectively. Can connect to mobile phones, tablets, and laptops, [and the battery level of the keyboard can be seen at the Bluetooth connection location of the above devices.](#)



Bluetooth key

## 鼠标、键盘和笔



TP Precision Evo 2.4G



Keyboard power display on laptop

④. The R key is used for 2.4G wireless connection, and the receiver needs to be plugged into the computer. The receiver is located on the right side of the keyboard bottom cover.



### 3、 Functions of Combination Keys

Combination Key	Function	Description
FN+WIN	WIN Lock	When the WIN key is not functional, press FN+WIN to unlock
FN+ESC	Reset	Press and hold for 3 seconds to restore the keyboard to factory settings
FN+Tab	Connection Switch	<p>When the Tab light is on, it is a wired connection, and when it is off, it is in a wireless state.</p> <p>In wireless mode, press FN+Q/W/E to enter Bluetooth mode, and FN+R to enter 2.4G wireless mode</p>
FN+Q/W/E	Bluetooth Switch	<p>1. For the first connection, press and hold FN+Q/W/E for 3 seconds, and the light will turn red and flash into pairing mode. Open the device for search and pairing, and the Q/W/E light will turn blue and remain on, indicating a successful connection</p> <p>2. FN+Q/W/E Bluetooth channel switching, switch to which channel by pressing the key, the Q/W/E key light flashes slowly blue, and if the connection is successful, the light returns to the default state and stops flashing</p>
FN+R	2.4G wireless	<p>It is set before leaving the factory. After switching to 2.4G wireless mode, the R key will turn blue light and flash slowly. When the receiver is plugged in and a "ding dong dong" sound is heard, it means it is connected</p> <p>Forced code pairing: Press and hold the FN+R keys for 3 seconds to enter 2.4G forced code pairing mode. The R key will turn red and flash rapidly. Then plug in the receiver and the light will stop flashing after successful connection</p> <p>Only use forced pairing when the connection is invalid. If it cannot be done well, please try it again</p>
FN + P	Backlight off/on	Light on (default)/Light off
FN+ ↑	LED brightness increases	Light brightness enhancement adjustment, four levels with memory, four levels are the brightest. When the limit value is reached, the three indicator lights "N, C, S" in the upper left corner will flash blue light synchronously three times to prompt

FN+ ↓	LED brightness decrease	The brightness of the light is reduced, with four levels and a memory for turning off, and the first level is turned off. When the limit value is reached, the three indicator lights "N, C, S" in the upper left corner will flash blue light synchronously three times to prompt
FN+ 【 (V+)	LED speed increase	The light effect speed is increased with a memory function for four levels, which are the fastest. When the limit value is reached, the three indicator lights "N, C, S" in the upper left corner will flash blue light synchronously three times to prompt
FN+ 】 (V-)	LED speed decrease	The light effect speed is decreased with memory function in four levels, and the slowest speed in first gear. When the limit value is reached, the three indicator lights "N, C, S" in the upper left corner will flash blue light synchronously three times to prompt.
FN+ \	Light mode switching	19 lighting effects modes: 1. Prismo effect; 2. Breathing; 3. Wave left to right; 4. Flowers blossom; 5. Rainbow; 6. Wave 2; 7. Clockwise rotation; 8. Wave 3; 9. Response effect; 10. Conuter clock wise rotation; 11. Snake; 12. Wave 4; 13. Tornado; 14. Neon; 15. Stars twinkling; 16. Single color response; 17. Steady; 18. Raindrops; 19. Wave 5; 20. Custom.
FN+ ' " Quotation mark	Light color switching	The light color in some light effect modes is switched successively (seven colors, red-green-blue-yellow - purple - blue-white, some light effects are monochrome light switching).
FN+ 1! / 2@ / 3#	Gaming Light Modes	There are three kinds of gaming lighting effects available
FN + 1 !	FPS Mode	ESC/W/A/S/D/ ↑ / ↓ / ← / → The lights on the keys will light up(e.g. CF, Counter Strike, King of War, Call of Duty, Apex Legends, etc.)
FN + 2 @	LOL Mode	Prtsc/F1/F2/F3/Home/End/Pgup/Pgdn/1-5/Tab/Q/W/E/R/A/S/D/G/B/Shift/Ctrl/Alt/Space The light for the space bar will light up.
FN + 3 # ( 1 )	CF game	1-7/Q/W/E/R/T/A/S/D/F/G/C/V/Shift/Ctrl (Default factory settings) .



FN + 3# (2)	Default 37 Key Office Mode	Z 26 English letter [ {, } , /, ; : ' " / , < / . > / ? / ↑ / ↓ / ← / → Note: To switch to 37 key office mode, please contact us to upgrade the program.
FN+Right ALT	Open NUM LOCK	When the light of Numlock button is on, you can use the numbers on the keypad. If off, it cannot be used.

## Multimedia Function Keys:

FN+F1: Music	FN+F2: Mute	FN+F3: Volume decrease
FN+F4: Volume increase	FN+F5: Pause	FN+F6: Previous song
FN+F7: Play	FN+F8: Next song	FN+F9: Email
FN+F10: Home	FN+F11: Calculator	FN+F12: My Computer

## 4、Keyboard Indicator /Switch Instruction



**N:** Num Lock: numeric keypad indicator light    **C:** Alphabet indicator light    **S:** Scrk light

**Battery light symbol:** It is a battery indicator light that stays on during charging, turns off when fully charged, and flashes red when low battery is detected. Connecting your keyboard to pc, whether wired or wireless, it will default to charging. After being fully charged, it will automatically disconnect and the indicator light will turn off.



**WIN/MAC:** Dual system toggle switch. Under the WIN system, turn the switch to the WIN position; Under the MAC system, turn the switch to the MAC position.

**Note:** In the WIN system, if you find that the Win and Alt keys on the left have changed functions, it means that the switch has been turned to the MAC position.

**Battery ON/OFF:** Turn the battery switch to the ON position to turn on the battery power supply. **Press Fn+Tab again to switch to wireless mode.**

No matter what mode the current switch is in, simply connect the cable to charge the battery.

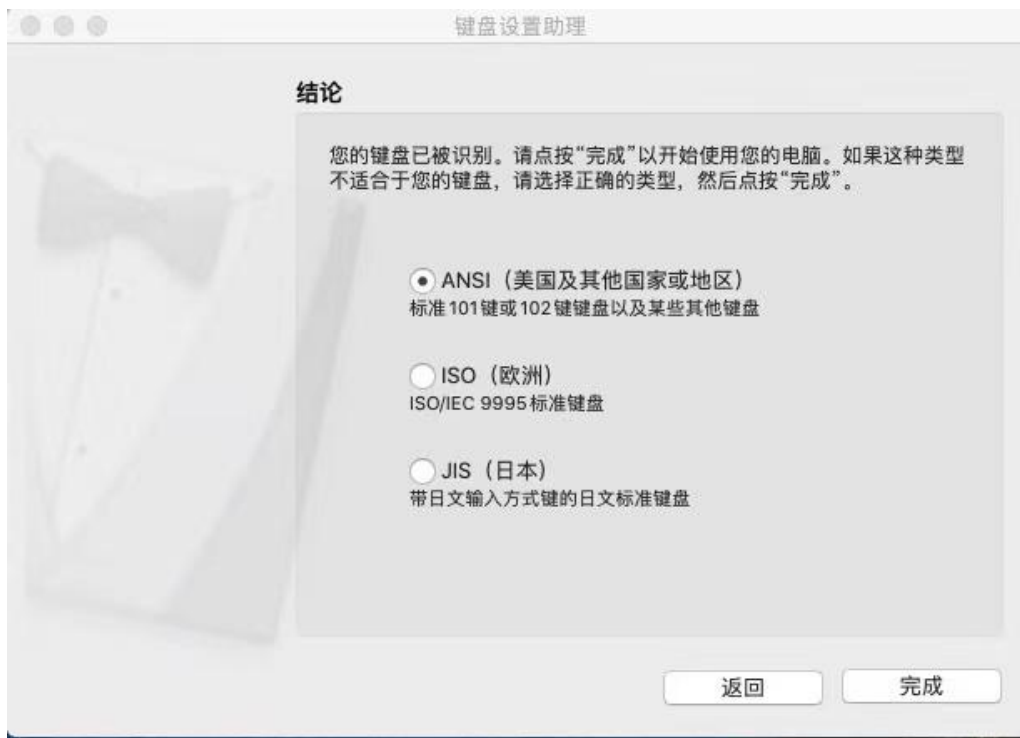
**5、Two TYPE-C Ports:** The HUB docking port is on the left and the wired connection port is on the right.



**6、Keyboard settings under MAC system:** WIN and MAC switch, switch to MAC position.

After connecting the keyboard to the computer, a dialog box "Keyboard Settings Assistant" will pop up, with three options. **Select the ANSI type and click Finish.**

- ☒ ANSI (United States and other countries or regions), standard 101 key or 102 key keyboards, and certain other keyboards
- ☐ ISO (Europe) ISO/IEC 9995 standard keyboard
- ☐ JIS (Japan) Japanese Standard Keyboard with Japanese Input Method Keys



After successful connection, the functions of the Win and Alt keys on the left side of the keyboard will be switched; The Alt and menu key functions on the right side of the keyboard will also be switched, and the keycaps need to be swapped yourselves.



## 7、Keyboard Specification and Material

Model: ZY-2216 (108 key)

Size: 446.5 \* 163.7 \* 41.9mm

Package Size: 505 \* 205 \* 60 mm

Packing Quantity: 10 pcs

Name: Conquer the Ocean

Net Weight: 1050+/-10g

Whole Box Size: 555 \* 515 \* 225 mm

G.W: 15.5 kg

Model: ZY-2218 (111 keys)

Size: 446.5 \* 163.7 \* 41.9mm

Package size: 505 \* 205 \* 60 mm

Packing quantity: 10 pcs

Name: Conquer the World

Net Weight: 1050+/-10g

Whole box size: 555 \* 515 \* 225 mm

G.W: 15.5 kg



**Material:** The upper cover of keyboard is made of 1.6mm thick aluminum alloy, and the lower cover is made of ABS material.

**Lithium battery capacity:** 3000mAh.

**Voltage and current parameters:**

**Rated voltage:**  $\leq 5V$       **Rated current:**  $\leq 500ma$

**Other instructions:** The backlight should remain on for no more than 200ma; Turn off the backlight and keep the indicator light on for no more than 5ma; The standby current should not exceed 150  $\mu A$ .

**Body Color:** black, white, pink, orange, available in four colors, OEM and ODM can customize colors;

**Kind of Switches:** blue, red, brown , black switch, available for selection.

### Introduction to the characteristics of each switch:

**Blue switches features:** audible paragraph switch, triggering force of 50+/-10gf, triggering stroke of 2.2+/-0.6mm, bottom stroke of 4.0mm, 3-pin, with a loud clack sound and obvious tactile feedback, suitable for beginners and gamer.

**Red switches features:** silent linear switch, triggering force of 45+/-10gf, triggering stroke of 2.2+/-0.6mm, bottom stroke of 4.0mm, 3-pin, with low resistance when running straight up and down, and slight noise when press key caps. It is not tiring to use for a long time and is suitable for office use.

**Brown switches features:** Light tone paragraph switch, trigger force of 45+/-10gf, trigger stroke of 2.2+/-0.6mm, bottom stroke of 4.0mm, 3-pin, with a slight click sound and a slight tactile sensation, it combines the characteristics of both blue and red switch, also known as a versatile switch, and takes into account both Office and gaming.

**Black switch features:** silent paragraph switch, triggering force of 60+/-10gf is relatively large, triggering stroke is 2.2+/-0.6mm, and bottom stroke is 4.0mm, 3 pins, with obvious tactile resistance, can avoid accidental touch, preferred by gamer.

### Note:

①. The keyboard switch of flagship version is a hot-swappable switch holder that allows replacement yourself. It is equipped with a 2-in-1 key puller and can be used with both 3-pin and 5-pin switches.

②. This keyboard is first plugged into the switches, and then the PCB board is installed.

During the process of installing the PCB board, some switches may be inserted a little bit, so it is normal during testing. However, vibrations during delivery or usage can cause the switch feet to detach from the switch seat, making it impossible to press the function.

**Solution:** Use a 2-in-1 key puller to remove the keycap, then pull out the switches, straighten the switch foot with pliers, and insert it back into the switch seat. Or use a spare switch.



## 8、Other precautions

①. When using wireless connection, make sure to turn on the battery switch and turn it to the ON position. Press FN+Tab again, the Tab light will turn off. The factory default is 2.4G wireless, so the R key will turn blue and flash slowly before inserting the receiver.

For the first connection, after plugging in the receiver, the "Setting Device" dialog box will pop up in the lower right corner of the computer. Please wait for 3-5 seconds. When you hear the sound of "ding dong dong", the N indicator light in the upper left corner of the keyboard will light up at the same time, indicating that it is connected.



②. If the battery switch is turned to the ON position and the keyboard light does not light up, it means that the battery is out of power. Simply plug in the cable and you can charge it directly.

③. When switching between wired/wireless modes, it is possible that the lights on the

Q/W/E/R keys will not flash, but will flash when pressing the FN+keys.

④. After receiving the keyboard, do not connect the data cable and HUB interface incorrectly. There is a label on the bottom cover. For wired connections, please connect to the "wired connection port".

⑤. ZY-2218 only has three additional function keys for copying, cutting, and pasting compared to ZY-2216, and the original DEL key position has been changed to a space function.

⑥. After resetting by pressing the Fn+Esc keys on the keyboard, the copy, cut, and paste function keys are factory set to the spacebar function. Need to use a macro customization program to reset. Please contact the after-sales service for the "macro customization program". The method for setting custom keys is described in the documentation.

⑦. When setting user-defined key positions for the three template, it is better not to set the key positions with function identification symbols engraved on the key caps to other key positions, otherwise, some original keyboard functions will result in no use.

**Keys engraved with identification symbols: Tab 、 Q、 W、 E、 R、 P、 【{v+, } }v-, \、 ' " (Quotation mark) 、 ↑, ↓, right ALT (Num lock) , and Fn keys.**

⑧. Some phones cannot display battery level after connecting to Bluetooth, depending on the phone model.

⑨. The data cable, key puller, and small brush are all hidden, and the data cable is located at the front of the packaging box.

## 9、Warranty Card

Thank you for purchasing the ZEYI left-handed mechanical keyboard. In order to ensure that you can use this keyboard with peace of mind and better protect your rights, our company provides after-sales service in accordance with the "Regulations on the Responsibility for Repair, Replacement, and Return of Microcomputer Products" jointly issued by the General Administration of Quality Supervision, Inspection and Quarantine, the Ministry of Information Industry, and the State Administration for Industry and Commerce.

①. Service validity period: Effective from the date of purchase, based on the date recorded in this voucher (date alterations are invalid).

②. Service content: We provide services in accordance with the "Regulations on the Responsibility for Repair, Replacement, and Return of Microcomputer Products". We offer free replacement for quality issues within one year and a three-year warranty!

③. Not within the scope of services:

1). Those that have exceeded their valid service period.

2). Malfunctions or damages caused by failure to use, maintain, and store in accordance

with the correct instructions.

3). Malfunctions or damages caused by repairs not authorized by ZEYI Company.

4). If there is no information or stamp of the agent on the three guarantee certificate for the product.

5). Unauthorized alteration of the content of the three guarantee certificate.

6). Consumers remove the QC PASS sticker at the bottom of the product themselves.

7). Due to force majeure (such as natural disasters) causing product defects.

8). Human factors causing product defects (such as operational errors, handling damage, collisions, inputting inappropriate voltage, soaking or immersion in water, etc.).

9). Malfunctions or damages caused by non product design, technology, manufacturing, quality, and other issues.

## 10 、 Keyboard Packaging and Accessories:

Left Hander Keyboard \* 1

1.8-meter Data Cable \* 1

Port 2.0 HUB docking station \* 1

2-in-1 Key Puller \* 1,

Cleaning Brush \* 1,

Dust Cover \* 1

Spare Switches \* 4

11、 Keyboard macros and custom Settings, please send an email request, Or find after-sales service. E-mail: [zeyi@szzeyi.cn](mailto:zeyi@szzeyi.cn)

## Shenzhen ZEYI Industrial Development CO.,LTD

Web: [www.szzeyi.cn](http://www.szzeyi.cn)

E-mail/Skype: [zeyi@szzeyi.cn](mailto:zeyi@szzeyi.cn)

After-sales service QQ: 1919051776

Product Support QQ: 579938984

Address: 318, Chuangyi Building, Building 7, Ailian Industrial Zone, Wulian Community,  
Longgang Street, Longgang District, Shenzhen, Guangdong

Designed and Made in China

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.

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

**Note:** 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.

#### FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in portable exposure condition without restriction.