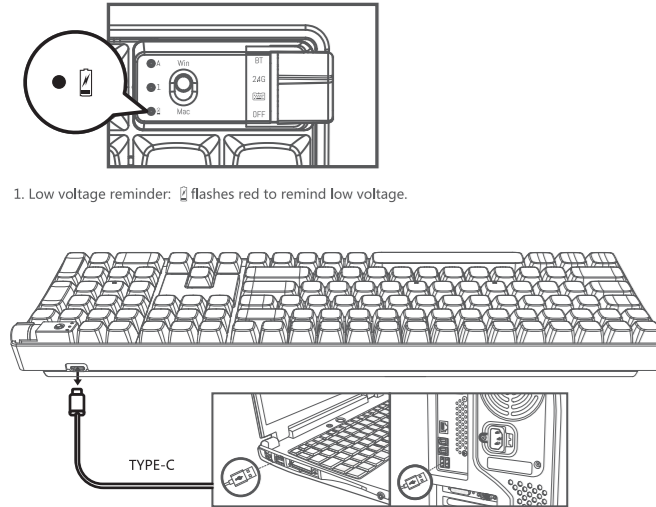


R108
BT 3.0/BT 5.0/2.4G/Wired Three Mode Mechanical Gaming Keyboard
Co-created by ProtoArc x RoyalAxe

USER MANUAL

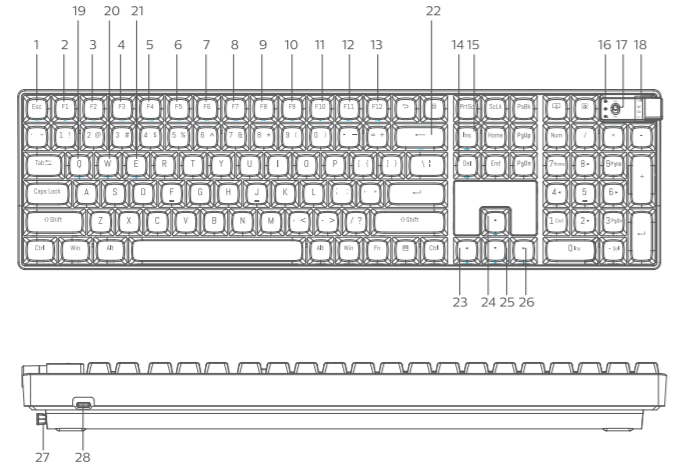
Charging guide:



- Low voltage reminder: flashes red to remind low voltage.
- Plug the charging cable TYPE-C interface into the keyboard, USB interface into your computer start charging. red light is always on during charging process.
- indicator turns in green after the charging is completed.

Note:
During the plug-in charging process, every mode is not controlled by the "OFF" switch, and the power supply is directly supplied by the charging cable.

English:



- Fn+ : Reset
- Fn+ : Screen brightness -
- Fn+ : Screen brightness +
- Fn+ : Multi screen display
- Fn+ : Back to the desktop
- Fn+ : Media Player
- Fn+ : Play/Pause
- Fn+ : Prev song
- Fn+ : Next song
- Fn+ : Mute
- Fn+ : Volume -
- Fn+ : Volume +
- Fn+ : Input method switching
- Fn+ : Light switch
- Fn+ : Switch the backlight mode
- A Caps lock indicator
 - Num lock indicator
 - Low battery indicator
- Win/Mac System switch
- OFF switch
 - Wired mode
 - 2.4G wireless mode
 - BT Bluetooth mode
- Fn+ : Bluetooth mode 1
- Fn+ : Bluetooth mode 2
- Fn+ : Bluetooth mode 3

Custom drive

For custom mode, please scan the code to download the official driver:
<https://www.protoarc.com>
Find "Support" from Header Menu > "Download"
Reminder: The driver only supports customization in wired and 2.4G mode.

Technical specifications

- Connection method: wired / 2.4GHz / Bluetooth 3.0 / Bluetooth 5.0
- Wireless effective distance: 2.4GHz about 15 meters / Bluetooth about 10 meters
- Working current and voltage: 5V \approx 500mA(max)
- Keyboard keys: 109
- Keycap material: PBT
- Mechanical switch lifespan: 100 million times
- Lithium battery: 3000mAh
- Keyboard product size: 431.9x121.5x44.5mm
- Weight: 1200g \pm 20g

System requirement

- 1 x USB port
- Bluetooth 3.0/Bluetooth 5.0
- Windows[®] 7/Windows[®] 8/Windows[®] 10 or later, Android 3.2 and above, Mac OS 10.5 or later

Note: Multimedia functions are partially invalid in different OS versions.

Trouble shooting

1. Make sure that the USB wireless receiver of the product is correctly plugged into the USB port of the computer.
2. Make sure the computer meets the minimum system requirement.
3. If the distance between the product and the receiver exceeds an effective range, please reduce the distance for better performance.

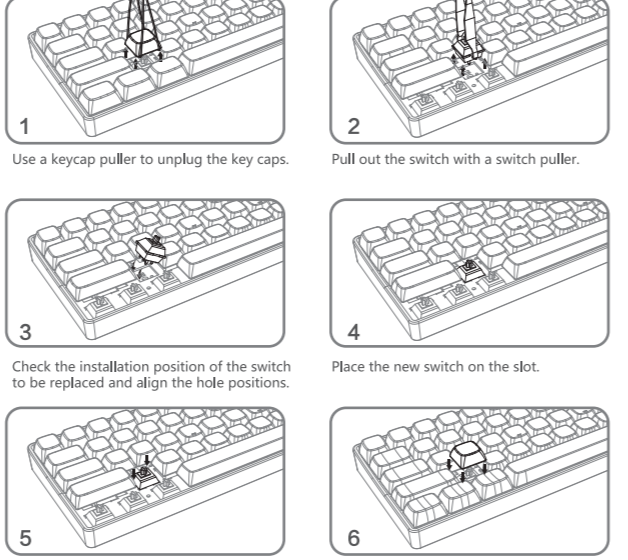
Attention

1. Please use dry and soft cloth to clean the product.
2. Do not disassemble the product by force.
3. Do not get in the rain or in the sun or fire.
4. Do not flush directly with water.

Function overview of the keyboard

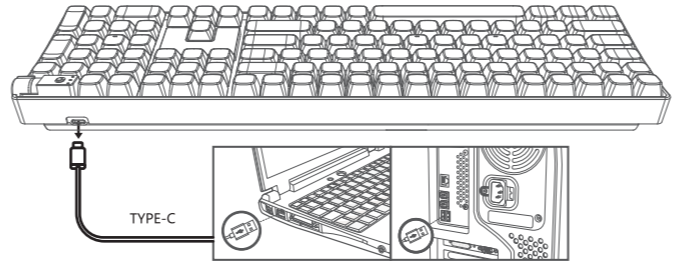
1. Fn+ : Reset
2. Fn+ : Screen brightness -
3. Fn+ : Screen brightness +
4. Fn+ : Multi screen display
5. Fn+ : Back to the desktop
6. Fn+ : Media Player
7. Fn+ : Play/Pause
8. Fn+ : Prev song
9. Fn+ : Next song
10. Fn+ : Mute
11. Fn+ : Volume -
12. Fn+ : Volume +
13. Fn+ : Input method switching
14. Fn+ : Light switch
15. Fn+ : Switch the backlight mode
16. A Caps lock indicator
 1. Num lock indicator
 2. Low battery indicator
17. Win/Mac System switch
18. OFF switch
 1. Wired mode
 2. 2.4G wireless mode
 3. BT Bluetooth mode
19. Fn+ : Bluetooth mode 1
20. Fn+ : Bluetooth mode 2
21. Fn+ : Bluetooth mode 3
22. Fn+ : Monochromatic light switching
23. Fn+ : Backlight frequency slows down
24. Fn+ : Backlight brightness increase
25. Fn+ : Backlight frequency slows down
26. Fn+ : Increased backlight frequency
27. 2.4G receiver
28. Type-C charging/wired interface

Shaft replacement method:



1. Use a keycap puller to unplug the key caps.
2. Pull out the switch with a switch puller.
3. Check the installation position of the switch to be replaced and align the hole positions.
4. Place the new switch on the slot.
5. Gently press the new switch to install it into the slot.
6. Install the keycap, you can use it normally.

Wired connection



1. Insert the TYPE-C interface of the charging cable into the keyboard, and connect the USB interface to your computer.
2. Keep the mode rotary knob in OFF or in Wired mode, 1 indicator will flash once and then go out, the connection is successfully completed.

Note:
In TYPE-C wired mode, the "OFF" switch has no function.

Important safety and compliance information

Disposal of product and packing material

Waste Electrical and Electronic Equipment-WEEE

The symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resource and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact the local city office, the household waste disposal service or the shop where you purchased the product.

CE Declaration of Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2004/10/EC), RoHS directive (2002/95/EC) and Radio Equipment Directive (2014/53/EC) for Radio Equipment.

This product has been tested and found to comply with the harmonized standards for Information Technology Equipment, these harmonized standards published under Directives of Official Journal of the European Union.

Federal Communications Commission (FCC) Notice

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.

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

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE - CAUSING EQUIPMENT REGULATIONS.

FCC Compliance Statement

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.

Commission Fédérale de la Communication

Cet équipement a été testé et déclaré conforme aux limites des appareils numériques de classe B aux termes de l'article 15 Des règles de la FCC. Ces limites sont conçues de façon à fournir une protection raisonnable contre les interférences nuisibles dans le cadre d'une installation résidentielle.

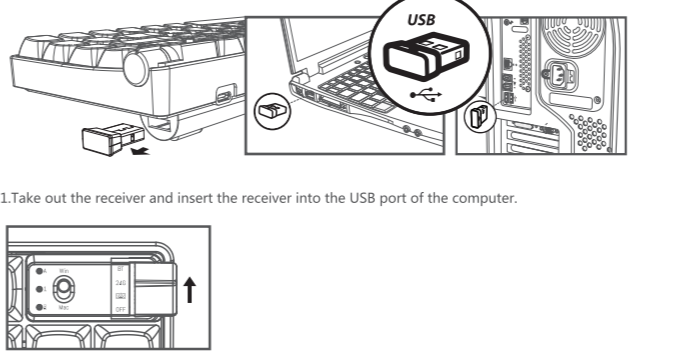
CET appareil produit, utilise et peut émettre des hyperfréquences qui, si l'appareil n'est pas installé et utilisé selon les consignes données, peuvent causer des interférences nuisibles aux communications radio. Cependant, rien ne peut garantir l'absence d'interférences dans le cadre d'une installation particulière. Si cet appareil est la cause d'interférences nuisibles pour la réception des signaux de radio ou de télévision, ce qui peut être décelé en fermant l'équipement, puis en le remettant en fonction, l'utilisateur pourrait essayer de corriger la situation en prenant les mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Brancher l'équipement sur un autre circuit que celui utilisé par le récepteur.
- Demander l'aide du marchand ou d'un technicien chevronné en radio/ télévision.

Toutes modifications n'ayant pas reçu l'approbation des services compétents en matière de conformité est susceptible d'entraîner à l'utilisateur l'usage du présent équipement.

CET APPAREIL NUMÉRIQUE DE LA CLASSE B RESPECTE TOUTES LES EXIGENCES DU RÈGLEMENT SUR LE MATÉRIEL BROUILLÉUR DU CANADA.

2.4G connection



1. Take out the receiver and insert the receiver into the USB port of the computer.
2. Turn the mode rotary knob to 2.4G mode, the 1 indicator flashes twice and then goes off, the connection is successfully completed.

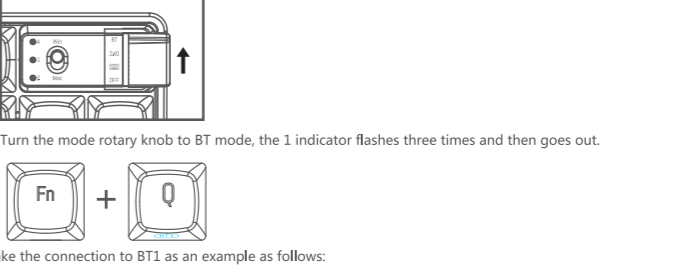
Bluetooth connection



1. Turn the mode rotary knob to BT mode, the 1 indicator flashes three times and then goes out.
- Turn on the Bluetooth of your computer or other device, search and select "R108 BT3.0" or "R108 BT5.0" and start Bluetooth pairing until the connection is completed.

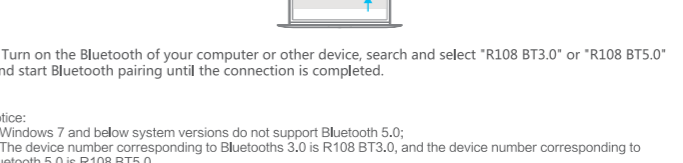
Note:
1. Windows 7 and below system versions do not support Bluetooth 5.0;
2. The device number corresponding to Bluetooths 3.0 is R108 BT3.0, and the device number corresponding to Bluetooth 5.0 is R108 BT5.0

Mode switching method of the keyboard



1. Mode channel: The keyboard has 5 channels, BT1, BT2, BT3, 2.4G, wired, and 5 devices can be connected at the same time.
2. Mode rotary knob: Turn the mode rotary knob between OFF/Wired/2.4G/BT. Press Fn+ Q, W or E to switch between different Bluetooth channels of BT1, BT2 and BT3.

iOS/Mac/Win layout switching



Note: the default setting is Windows layout.

ROYALAXE

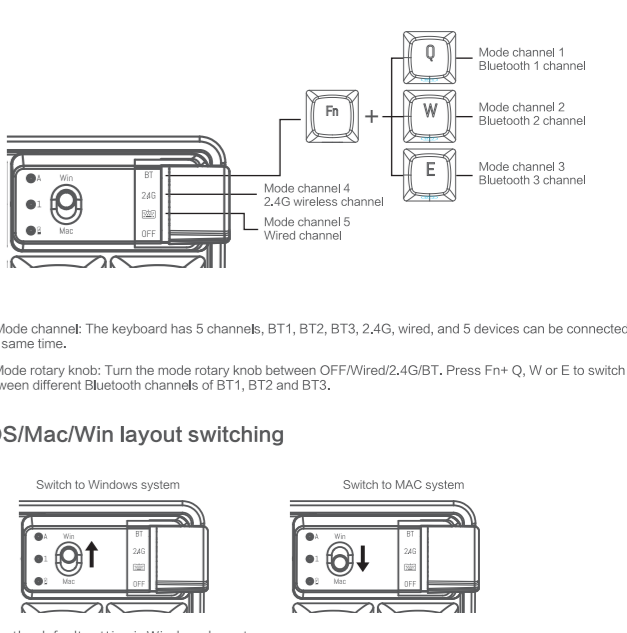
Commodity Information	Name	
	Place of origin	
	Model No.	
User Info.	Serial No.	
	Name	
	Address	
Sales Info.	Tel.	
	Postcode	
	Retailer	
	Address	
	Tel.	
Maintenance Info.	Postcode	
	Sale date	
	Invoice No.	
	Stamp & Signature	
	Signature	

Dear customer, the above information is to be filled in by the seller. Please cooperate with us. Thank you!
The following information shall be filled in by the maintenance agency and returned to the customer.

Customer Support :
Email: support@protoarc.com

Co-created by ProtoArc x RoyalAxe
Manufacturer: Dongguan Lingjie Electronics & Technology Co., Ltd
Address: No. 23 Zhenxing North Road, Xiegang Town, Dongguan, Guangdong, China
Web: <https://www.protoarc.com>

ROYALAXE



UK ProtoArc ROYALAXE

CE FC

Made in China