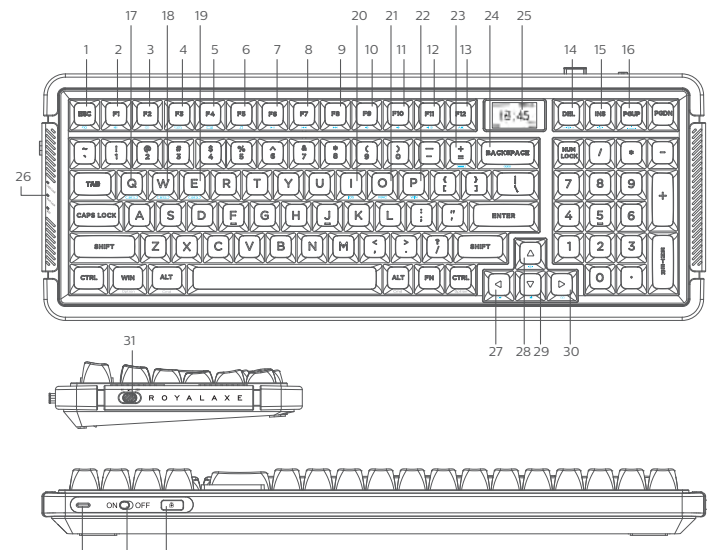


L98
BT 3.0BT 5.0/2.4G/Wired Three Mode Mechanical Gaming Keyboard



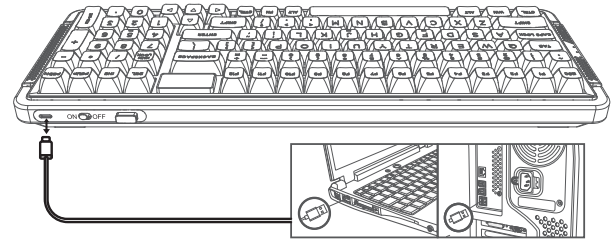
1

Function Overview

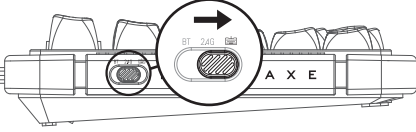
- 1. Fn + [R] : Reset
- 2. Fn + [S] : Screen brightness -
- 3. Fn + [N] : Screen brightness +
- 4. Fn + [M] : Multi screen display
- 5. Fn + [D] : Back to the desktop
- 6. Fn + [P] : Media Player
- 7. Fn + [A] : Play/Pause
- 8. Fn + [V] : Prev song
- 9. Fn + [N] : Next song
- 10. Fn + [M] : Mute
- 11. Fn + [+/-] : Volume -
- 12. Fn + [V] : Volume +
- 13. Fn + [I] : Input method switching
- 14. Fn + [L] : RGB Light switch
- 15. Fn + [S] : Switch the RGB light mode
- 16. Fn + [M] : Switch the RGB light strip mode/Turn off the RGB light strip
- 17. Fn + [B] : Bluetooth mode 1
- 18. Fn + [B] : Bluetooth mode 2
- 19. Fn + [B] : Bluetooth mode 3
- 20. Fn + [I] : Switch to IOS system
- 21. Fn + [M] : Switch to MAC system
- 22. Fn + [W] : Switch to WIN system
- 23. Fn + [B] : Battery indicator
- 24. Fn + [L] : Monochromatic light switching
- 25. LCD Color Screen
- 26. Caps Lock :Caps lock indicator
- 27. Num Lock :Num lock indicator
- 28. Fn + [L] : Decrease the RGB light frequency
- 29. Fn + [H] : Increase the RGB light brightness
- 30. Fn + [H] : Increase the RGB light frequency
- 31. [W] : Wired mode
- 32. [W] : 2.4G wireless mode
- 33. [W] : BT Bluetooth mode
- 34. [W] : Type-C charging/wired interface
- 35. ON/OFF power switch
- 36. 2.4G receiver

2

Wired Connection



1. Insert the TYPE-C interface of the charging cable into the keyboard, and connect the USB interface to your computer.



2. Switch to [W]wired mode



3. The LCD Color Screen displays "CONNECTED", indicating a successful connection.

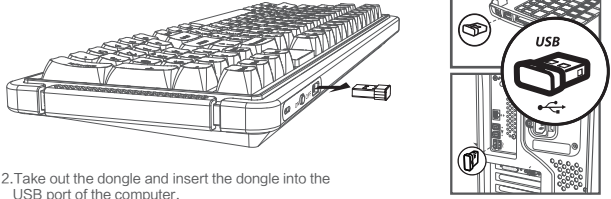
Note: In TYPE-C wired mode, the "ON/OFF" switch has no function.

3

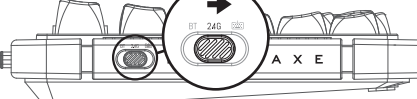
2.4G Connection



1. Turn the power switch to ON.



2. Take out the dongle and insert the dongle into the USB port of the computer.

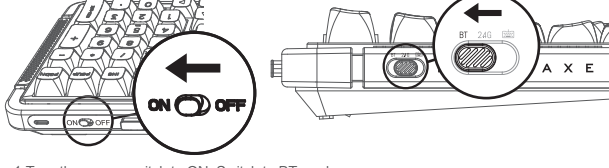


3. Switch to 2.4G mode

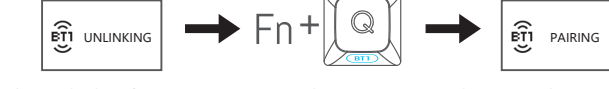
4. The LCD Color Screen displays "CONNECTED", indicating a successful connection.

4

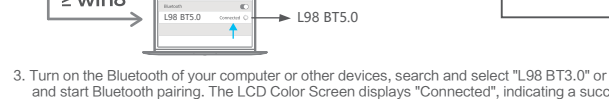
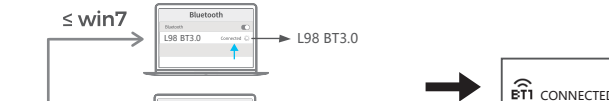
Bluetooth Connection



1. Turn the power switch to ON. Switch to BT mode. Take the connection to BT1 as an example as follows:



2. The LCD Color Screen displays "UNLINKING". Long press the Fn+Q keys about 3 to 5 seconds, and the corresponding indicator below will flash quickly. The LCD Color Screen displays "PAIRING".

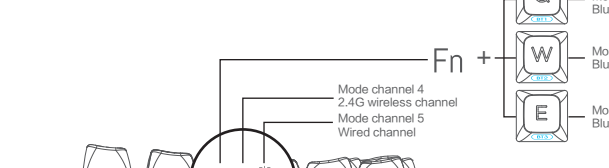


3. Turn on the Bluetooth of your computer or other devices, search and select "L98 BT3.0" or "L98 BT5.0" and start Bluetooth pairing. The LCD Color Screen displays "Connected", indicating a successful connection.

Note: 1. Windows 7 and below system versions do not support Bluetooth 5.0; 2. The device number corresponding to Bluetooths 3.0 is L98 BT3.0, and the device number corresponding to Bluetooth 5.0 is L98 BT5.0

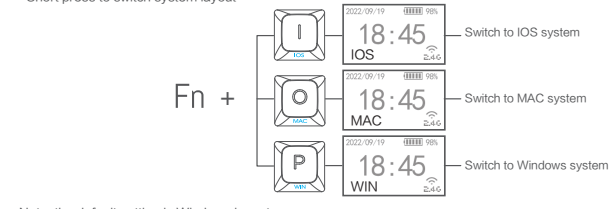
5

Mode Switching



- 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 switch: Turn the switch between Wired/2.4G/BT. Press Fn + Q, W or E to switch between different Bluetooth channels of BT1, BT2 and BT3.

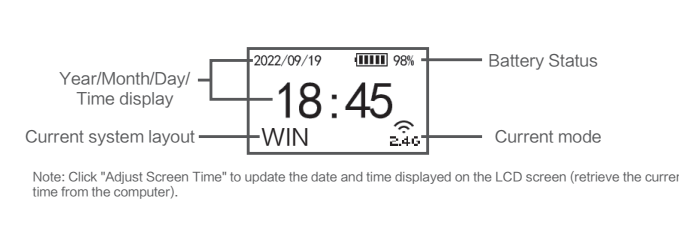
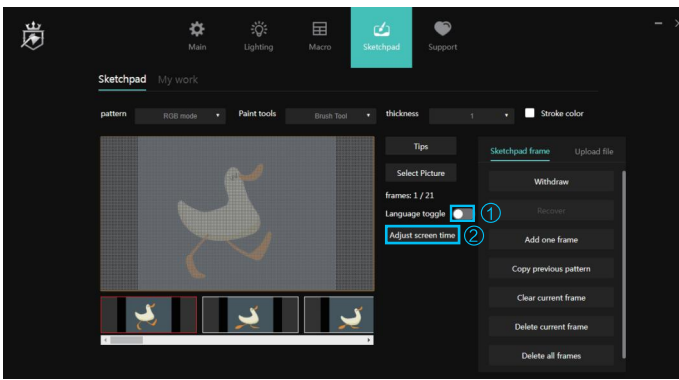
iOS/Mac/Win layout switching



Note: the default setting is Windows layout.

6

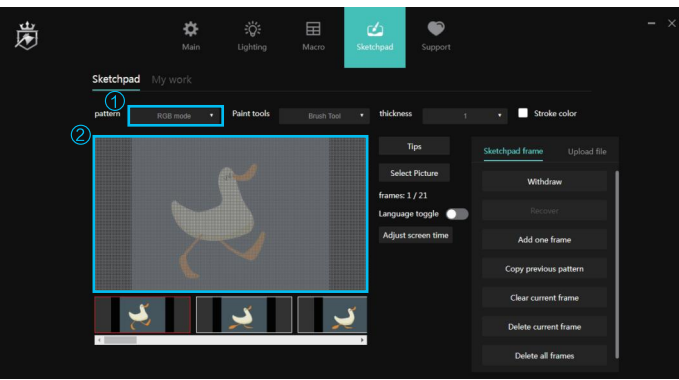
LCD Screen



Note: Click "Adjust Screen Time" to update the date and time displayed on the LCD screen (retrieve the current time from the computer).

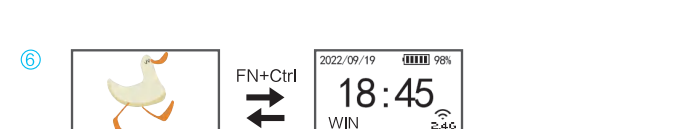
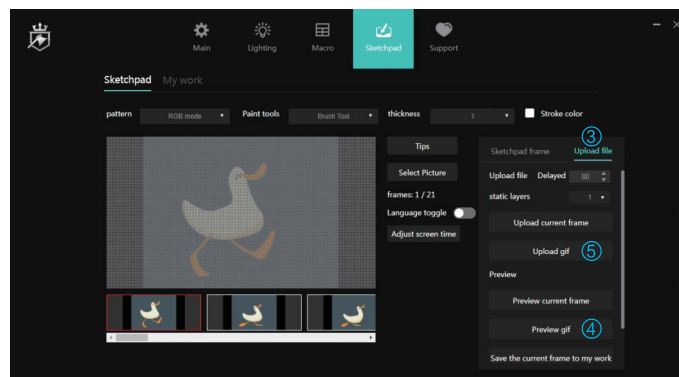
7

Sketchpad Mode



- 1. Select "RGB mode".
- 2. Select the prepared GIF animation and drag it into the area 2.

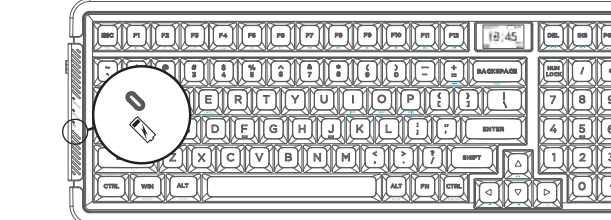
8



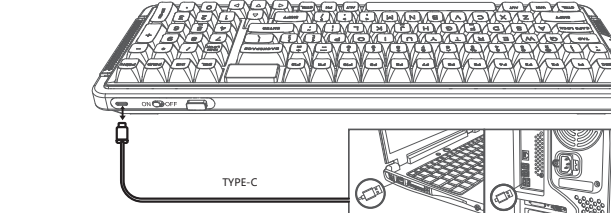
- 3. Click the "Upload file" option.
- 4. Select "Preview gif" to view the imported animation.
- 5. Select "Upload gif" to upload animation to the LCD screen.
- 6. After a successful upload, the display screen will show the customized animation. Press FN+Ctrl to switch back to the default style.

9

Charging Guide:



1. Low voltage reminder: [L] The light flashes red to remind low voltage.



- 2. When the charging cable's Type-C interface is plugged into the keyboard and the USB interface is connected to your computer, the charging process begins, the light [L] stays red continuously, and the battery icon in LCD screen displays charging animation.
- 3. [L] When charging is complete, the green light illuminates, and the LCD screen displays the battery at 100%.

Note: During the charging process, all modes are not controlled by the "ON/OFF" switch and are directly powered by the charging cable.

10

Custom Driver

For custom mode please go to the following URL to download official driver.
<https://www.protoarc.com>
Find "Support" from the Header Menu > "Driver Download"
Note: The driver can only be used in wired and 2.4G mode.

Technical Specifications

- Connection method: wired / 2.4GHz / Bluetooth 3.0 / Bluetooth 5.0
- Wireless range: 2.4GHz(49ft/15 meters), Bluetooth(33ft/10 meters)
- Working current and voltage: 5V, 500mA(max)
- Keyboard keys: 98
- Keypac material: PBT
- Mechanical switch lifespan: 100 million times
- Lithium battery capacity: 6000mAh
- Keyboard product size: 15.8" x 5.9" x 1.5"
- Weight: 2.5 lbs

System Requirement

- 1. 1 x USB port
- 2. Bluetooth 3.0/Bluetooth 5.0
- 3. 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.

Troubleshooting

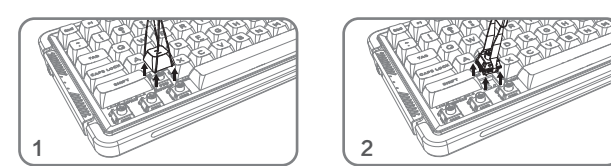
- 1. Ensure that the product's USB wireless receiver is properly inserted into the computer's USB port.
- 2. Ensure that your computer meets the minimum system requirements.
- 3. If the product and the wireless receiver are beyond the effective connection distance, please reduce the distance between the product and the receiver.

Attention

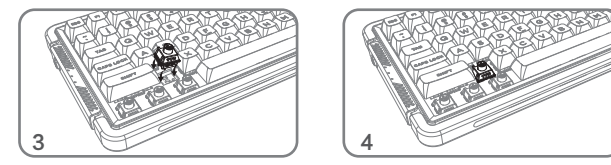
- 1. For cleaning, please use dry, soft cotton fabric, etc.
- 2. Do not fold or bend the product.
- 3. Do not forcefully disassemble the product.
- 4. Avoid getting the product wet, exposed to direct sunlight, or near open flames.
- 5. Do not directly rise with water.
- 6. The keyboard is designed to be charged with a rated voltage of 5V based on the USB protocol. Please use the computer's USB interface for charging and avoid using a charger to charge the keyboard.
- 7. During use, prevent liquids from entering the internal components, as this may cause short circuits and electrical malfunctions.

11

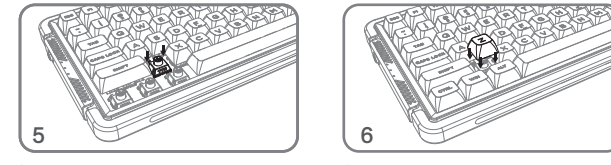
Switch Replacement



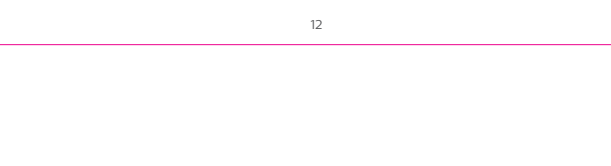
1. Use the keycap puller (included) to pull out the keycap.



2. Pull out the switch with the switch puller (included).



3. Place the new switch on the socket.



4. Gently press the new switch into the socket.

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Important Safety and Compliance Information

Disposal of product and packing material
Waste Electrical and Electronic Equipment (WEEE)
This 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 your 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 (2014/53/EU), Radio Equipment Directive (2014/53/EU) and Radio Equipment Directive (2014/53/EU) for Radio Equipment.
This product 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.

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 il a été trouvé 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 personnel, utilisé 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 nuisibles dans le cadre d'une installation particulière et il est demandé au consommateur d'accepter les interférences nuisibles pour la réception des signaux de radio ou de télévision, ce qui peut être évité en réorientant l'équipement, puis en le réinstallant en fonction; l'utilisateur pourrait essayer de corriger la situation en prenant les mesures suivantes:
- Réorienter ou décaler 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.
- Consulter le détaillant ou un technicien expérimenté en radio-télévision.

Tous les modifications n'approuvés par nous l'approbation des services compétents en matière de conformité est susceptible d'entraîner l'utilisation d'appareil.
CET APPAREIL NUMÉRIQUE DE LA CLASSE B RESPECTE TOUTES LES EXIGENCES DU RÈGLEMENT SUR LE MATÉRIEL BROUILLEUR DU CANADA.

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Dear customer,
Thank you for purchasing ROYALAXE x ProtoArc products. To ensure you receive reliable after-sales service, please read the following instructions carefully. The product warranty period is valid for one year from the date of purchase (the date of receipt of the return receipt and the invoice date of the buyer).

The following situations are not covered by the after-sales service:

- 1. Inability to provide a valid warranty card and invoice (excluding those that can prove the product is within the valid warranty period) or any unauthorized alteration of the warranty.
- 2. The product model and serial number on the warranty card do not match the physical product or lack the distributor's seal.
- 3. Alteration, removal, or illegibility of the model number, serial number, or production date code on the product.
- 4. Defects resulting from excessive use outside the intended purpose, such as non-stop use in a commercial environment.
- 5. Damage caused by not using the product in accordance with the provided instructions.
- 6. Damage caused by the use of pirated software or computer viruses during use.
- 7. Damage caused by accidents, unauthorized repair, or service from unapproved vendors.
- 8. Damage caused by force majeure.
- 9. Product malfunction due to accidental disconnection, signal interference, or other influencing factors during use.
- 10. Normal wear and tear defects or defects in consumable parts by nature.
- 11. The product not functioning properly because it was not originally designed, manufactured, or approved for use in the country where you use the product, which might occur when you imported the product. If the product functions you purchased are defective or cannot be used normally, please contact your local retailer.

The serial number filled in the form must match the actual product. This certificate is the primary document for after-sales service, so please keep it safe. If you need technical support, please present this warranty card, and we will provide quality and professional services.

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Name	
Place of origin	
Model No.	
Serial No.	
Name	
Address	
Tel.	
Postcode	
Retailer	
Address	
Tel.	
Postcode	
Sale date	
Invoice No.	
Stamp & 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:

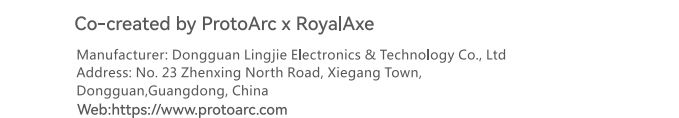
Maintenance company name	
Address	
Tel.	
Postcode	
Document No.	
Date	
Signature	

15



Customer Support :
Email: support@protoarc.com

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



Made in China

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