



Wired

BT

2.4G

L99

84Keys Tri mode (wired+2.4G+BT) Mechanical Keyboard



- Fashionable exterior design, Gasket structure, delicate and soft touch.
- Keycaps (optional) and mechanical switches (optional) can be plugged in and unplugged, and users can also purchase various brands of switches and personalized keycaps on the market for free DIY.
- The keyboard is made of solid materials and has sensitive key response.
- Fashion nameplate at the bottom, concealed independent storage receiver.
- Humanized keyboard design, combined with Fn to add a series of commonly used shortcut function keys.
- The right side of the keyboard is equipped with a 3.98-inch TFT touch screen, which has various functions and can be paired with DIY drivers.
- Large capacity lithium batteries are rechargeable, equipped with a power switch, environmentally friendly, energy-saving, worry free, and cost-effective, effectively extending battery life.
- Type C connectivity is more reliable, performance is more stable, and charging is faster.

Instructions for Using Wired Mode

02



① Touch screen settings icon



② Touch "Connection" on the settings page to switch to wired mode.



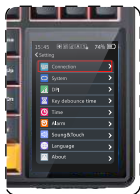
③ After successful connection, the corresponding icon on the main menu of the screen will also be displayed.

2.4G Connection Instructions

03



① Touch screen settings icon



② Touch "Connection" on the settings page to switch to 2.4G mode.



③ Touch the screen to pair in 2.4G mode, and enter pairing mode with the keyboard.



④ If there is no connection for a long time, the screen will display a connection failure.



⑤ Insert the receiver screen and it will display 'Linking Successful', then it can be used.

Note: When connecting to 2.4G, search first and then plug in the receiver;
The factory default code has been matched.

BT Connection Instructions

04



① Touch screen settings icon



② Touch "Connection" on the settings page to switch to BT mode.



③Touch screen BT mode pairing, keyboard enters pairing mode (Device name "AULA L99-1")



④If there is no connection for a long time, the screen will display a connection failure.



⑤The device opens Bluetooth and searches for AULA L99-1. Click to connect, and the screen displays "successfully connected" to start using it.

Note: BT mode BLE5.1 can connect up to 3 devices.

(Device names "AULA L99-1", "AULA L99-2", AULA L99-3)

Light Adjustment



- Switch between RGB, red, orange, yellow, green, cyan, blue, purple, and white in the 'Color' mode on the screen. Light brightness, light speed, light direction, and adjustment are optional.
- The wired mode and 2.4G are combined to drive each key with custom functions and macro definitions. The driver can customize over 16 million colors.
- Cooperate with driving with music rhythm RGB lighting effects.



Switch between 20 RGB lighting effects and turn off a total of 20 lighting effects in the "Colour" mode on the screen

Wave Follow Restore Default	Winding Path	Flicker Strike	One Key, Two Goals	Ripple Pulse
Continuous Flow	Stacked Peaks	Drizzle Glow	Shuttle Light	Light Off
Static Constant Light	Mono Light	Single Off	Twinkling Stars	Whirling Snow
Flowers Contending in Beauty	Dynamic Breath	Spectrum Loop	Colorful Spring Surge	Colorful Crosswise



① Touch screen settings icon



② Touch 'System' on the settings page.



③ Touch on the page to switch between the "WIN" system or the "MAC" system.

- After switching to the Mac system, the left WIN/left ALT positions are swapped, and the Mac does not lock WIN.

Switch to Mac/IOS system and switch button positions (without locking WIN as shown in the table below):

WIN/Android	Left WIN	Left ALT	Right ALT	Right CTRL
Mac/IOS	Left Option	Left Command	Right Command	Right Option

- **Setting:** Connection, System, DPI, Key debounce time, Time, Alarm, Sound\$Touch, Language, About



- Screen "Custom Animation": Drivers can customize animations.



- **Personalized Screen:** You can choose GIF Animation 、Background 、Screen、Brightness、Customize images、 You can customize images using drivers.



- The "Instant Data" and "Memo" on the screen can be used in conjunction with the driver.
- On the screen, the 'Mini Keyboard' can be used for numeric keypad functions.



- Touch the "Volume+, Volume -, Mute, and Alarm" icons below the TFT screen main interface to adjust the system volume and turn on the Alarm countdown.



Automatic Sleep System

06

- Under BT/2.4G mode, if there is no operation for 5 minutes, it will automatically enter power-saving mode. Click the button to wake up the keyboard.

Shortcut Key Description

07

Standard version shortcut key instructions

Fn+	ESC	Restore Default	Fn+		Switch lighting effects
	WIN -L	Lock WIN		TAB	Switch the lighting effect colors

Android system F-zone single press function and F-zone FN combination function.

Key position	Single press	Fn Single press	Key position	Single press	Fn Single press
F1	Screen brightness-	F1	F7	Previous song	F7
F2	Screen brightness+	F2	F8	Play/Pause	F8
F3	Convert Window	F3	F9	Next song	F9
F4	Return to desktop	F4	F10	Mute	F10
F5	Main backlight brightness-	F5	F11	Volume-	F11
F6	Main backlight brightness+	F6	F12	Volume+	F12

Windows system F-zone single press function and F-zone FN combination function.

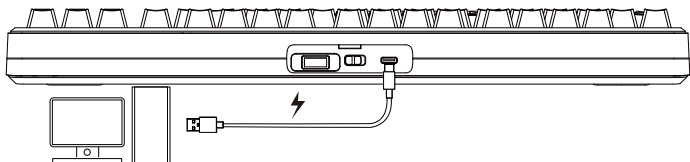
Key position	Single press	Fn Single press	Key position	Single press	Fn Single press
F1	F1	Homepage	F7	F7	Previous song
F2	F2	Mail	F8	F8	Play/Pause
F3	F3	Convert Window	F9	F9	Next song
F4	F4	Explorer	F10	F10	Mute
F5	F5	Main backlight brightness-	F11	F11	Volume-
F6	F6	Main backlight brightness+	F12	F12	Volume+

Mac system F-zone single press function and F-zone FN combination function.

Key position	Single press	Fn Single press	Key position	Single press	Fn Single press
F1	Screen brightness-	F1	F7	Previous song	F7
F2	Screen brightness+	F2	F8	Play/Pause	F8
F3	Convert Window	F3	F9	Next song	F9
F4	Return to desktop	F4	F10	Mute	F10
F5	Main backlight brightness-	F5	F11	Volume-	F11
F6	Main backlight brightness+	F6	F12	Volume+	F12

IOS system F-zone single press function and F-zone FN combination function.

Key position	Single press	Fn Single press	Key position	Single press	Fn Single press
F1	Screen brightness-	F1	F7	Previous song	F7
F2	Screen brightness+	F2	F8	Play/Pause	F8
F3			F9	Next song	F9
F4	Return to desktop	F4	F10	Mute	F10
F5	Main backlight brightness-	F5	F11	Volume-	F11
F6	Main backlight brightness+	F6	F12	Volume+	F12



- The keyboard TFT screen displays the battery life, making it easy to see the charging and remaining battery levels at a glance.

  Charging instructions	1. It is recommended to use only the computer USB port to charge the keyboard. 2. Do not use fast-charging cell phone chargers to charge the keyboard. 3. Do not use inferior non-standard power adapter to charge the keyboard. 4. Do not use over-voltage and over-current power adapter to charge the keyboard. 5. Please keep away from high temperature equipment when charging 6. Please turn off the power switch if it is not used for a long time. The above charging instructions also apply to other devices with charging function (keyboard/mouse/headphones/speakers, etc.)
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- Number of Keys: 84 keys
- Total Key Travel: 4.0 mm
- FN Key: Multi-function
- Product Dimensions: 390.5 × 140.72 × 43.34 mm ±0.1 mm
- Product Weight: approx. 1216 g (with keycaps/switches, without cable/receiver)
approx. 1263 g (with keycaps/switches/cable/receiver)
- Rated Voltage: DC 3.7V (4.2V when fully charged)
- Rated Current: ≤400 mA @3.7V (backlight on) / ≤70 mA (backlight off)
- Charging Voltage/Current: DC 5V  1300 mA
- Battery Capacity: 8000 mAh rechargeable lithium battery
- Keyboard Polling Rate: Wired 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Operating Distance: 10 m
- System Requirements:
Wired/2.4G: Windows XP/7/8/10 (Win95/98 may require drivers)
USB 1.1 or above for wired/receiver
BT: Windows 8/10+, macOS/Android/iOS with BLE 4.0/5.0+
- Hardware Connection:
USB cable & 2.4G receiver support hot-swap (plug & play).
BT: switch to channel and pair with device.

- 키 수: 84키
- 키 총 스트로크: 4.0 mm
- FN 키: 다기능
- 제품 크기: $390.5 \times 140.72 \times 43.34 \text{ mm} \pm 0.1 \text{ mm}$
- 제품 무게: 약 1216 g (키캡/축 포함, 케이블/수신기 제외)
약 1263 g (키캡/축/케이블/수신기 포함)
- 정격 전압: DC 3.7V (완충 시 4.2V)
- 정격 전류: $\leq 400 \text{ mA} @ 3.7\text{V}$ (백라이트 켜짐) / $\leq 70 \text{ mA}$ (백라이트 꺼짐)
- 충전 전압/전류: DC 5V $\Rightarrow$ 1300 mA
- 배터리 용량: 8000 mAh 충전식 리튬 배터리
- 키보드 폴링률: 유선 1000 Hz / 2.4G 1000 Hz / 블루투스 125 Hz
- 작동 거리: 10 m
- 시스템 요구 사항:
유선/2.4G: Windows XP/7/8/10 (Win95/98은 드라이버 필요 가능)
USB 1.1 이상 필요
블루투스: Windows 8/10+, BLE 4.0/5.0+ 지원 macOS/Android/iOS
- 하드웨어 연결:
유선/2.4G 핫스왑 지원.
블루투스 채널 전환 후 기기와 페어링.

- Número de Teclas: 84
- Curso Total das Teclas: 4,0 mm
- Tecla FN: Multifuncional
- Dimensões do Produto: 390,5 × 140,72 × 43,34 mm ±0,1 mm
- Peso do Produto: aprox. 1216 g (com keycaps/switches, sem cabo/receptor)
aprox. 1263 g (com keycaps/switches/cabo/receptor)
- Tensão Nominal: DC 3,7V (4,2V totalmente carregado)
- Corrente Nominal: ≤400 mA @3,7V (luz ligada) / ≤70 mA (luz desligada)
- Tensão/Corrente de Carregamento: DC 5V **===** 1300 mA
- Capacidade da Bateria: 8000 mAh (lítio recarregável)
- Taxa de Polling: Cabo 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Distância de Operação: 10 m
- Requisitos do Sistema:

Cabo/2.4G: Windows XP/7/8/10 (Win95/98 pode exigir drivers)

Necessário USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS com BLE 4.0/5.0+

- Conexão de Hardware:

Cabo USB e receptor 2.4G com hot-swap.

BT: selecione o canal e emparelhe.

- Número de teclas: 84
- Recorrido total: 4.0 mm
- Tecla FN: Multifunción
- Dimensiones: 390.5 × 140.72 × 43.34 mm ±0.1 mm
- Peso: aprox. 1216 g (con keycaps/switches, sin cable/receptor)
aprox. 1263 g (con keycaps/switches/cable/receptor)
- Voltaje nominal: DC 3.7V (4.2V cargado)
- Corriente nominal: ≤400 mA @3.7V (luz encendida) / ≤70 mA (luz apagada)
- Voltaje/ corriente de carga: DC 5V **==** 1300 mA
- Batería: 8000 mAh litio recargable
- Polling Rate: Cable 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Distancia operativa: 10 m
- Requisitos de sistema:

Cable/2.4G: Windows XP/7/8/10 (Win95/98 puede requerir drivers)

USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS con BLE 4.0/5.0+

• Conexión:

Cable USB/2.4G plug & play.

BT: cambiar canal y emparejar.

- Tastenanzahl: 84
- Gesamter Tastenhub: 4,0 mm
- FN-Taste: Multifunktion
- Abmessungen: 390,5 × 140,72 × 43,34 mm ±0,1 mm
- Gewicht: ca. 1216 g (mit Keycaps/Switches, ohne Kabel/Empfänger)
ca. 1263 g (mit Keycaps/Switches/Kabel/Empfänger)
- Nennspannung: DC 3,7V (4,2V voll geladen)
- Nennstrom: ≤400 mA @3.7V (Beleuchtung an) / ≤70 mA (aus)
- Ladeparameter: DC 5V **===** 1300 mA
- Akkukapazität: 8000 mAh Lithium-Akku
- Polling-Rate: Kabel 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Reichweite: 10 m
- Systemanforderungen:
Kabel/2.4G: Windows XP/7/8/10 (Win95/98 evtl. Treiber nötig)
USB 1.1+
BT: Windows 8/10+, macOS/Android/iOS mit BLE 4.0/5.0+
• Hardwareverbindung:
USB/2.4G Hot-Swap.
BT: Kanal wechseln und koppeln.

- Numero di tasti: 84
- Corsa totale: 4,0 mm
- Tasto FN: Multifunzionale
- Dimensioni: 390,5 × 140,72 × 43,34 mm ±0,1 mm
- Peso: ca. 1216 g (con keycap/switch, senza cavo/ricevitore)
ca. 1263 g (con keycap/switch/cavo/ricevitore)
- Tensione nominale: DC 3,7V (4,2V carica completa)
- Corrente nominale: ≤400 mA (luci on) / ≤70 mA (off)
- Ricarica: DC 5V **==** 1300 mA
- Batteria: 8000 mAh litio ricaricabile
- Polling Rate: Cavo 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Distanza: 10 m
- Requisiti:

Cavo/2.4G: Windows XP/7/8/10 (Win95/98 possono richiedere driver)

USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS con BLE 4.0/5.0+

- Connessione:

USB/2.4G hot-swap.

BT: seleziona il canale e abbina.

- Tuş Sayısı: 84
- Toplam Tuş Hareketi: 4.0 mm
- FN Tuşu: Çok işlevli
- Boyutlar: 390.5 × 140.72 × 43.34 mm ±0.1 mm
- Ağırlık: ~1216 g (kapak/switch dahil, kablo/alıcı hariç)
~1263 g (kapak/switch/kablo/alıcı dahil)
- Nominal Voltaj: DC 3.7V (tam dolu 4.2V)
- Nominal Akım: ≤400 mA (ışık açık) / ≤70 mA (kapalı)
- Şarj: DC 5V  1300 mA
- Pil Kapasitesi: 8000 mAh lityum
- Polling Rate: Kablolu 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Çalışma Mesafesi: 10 m
- Sistem Gereksinimleri:

Kablolu/2.4G: Windows XP/7/8/10

USB 1.1+

BT: Windows 8/10+, BLE 4.0/5.0 destekli macOS/Android/iOS

- Bağlantı:

USB/2.4G tak-çalıştır.

BT kanal seç ve eşleştir.

- Количество клавиш: 84
- Полный ход клавиши: 4,0 мм
- Клавиша FN: Многофункциональная
- Размеры: 390.5 × 140.72 × 43.34 мм ±0.1 мм
- Вес: ~1216 г (с колпачками/свитчами, без кабеля/приёмника)
~1263 г (с колпачками/свитчами/кабелем/приёмником)
- Номинальное напряжение: DC 3.7V (4.2V при полной зарядке)
- Номинальный ток: ≤400 mA (подсветка включена) / ≤70 mA (выключена)
- Зарядка: DC 5V  1300 mA
- Аккумулятор: 8000 mAh литий-ион
- Частота опроса: Провод 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Дистанция работы: 10 м
- Требования:

Провод/2.4G: Windows XP/7/8/10

USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS с BLE 4.0/5.0+

- Подключение:

USB/2.4G — plug & play.

BT — переключить канал и подключить.

- จำนวนปุ่ม: 84 ปุ่ม
- ระยะกดรวม: 4.0 มม.
- ปุ่ม FN: ฟังก์ชันหลายอย่าง
- ขนาดสินค้า: $390.5 \times 140.72 \times 43.34$ มม. ± 0.1 มม.
- น้ำหนัก: ประมาณ 1216 กรัม (รวมคีย์แคป/สวิตช์ ไม่รวมสาย/ตัวรับ)
ประมาณ 1263 กรัม (รวมทั้งหมด)
- แรงดันไฟฟ้า: DC 3.7V (4.2V เมื่อชาร์จเต็ม)
- กระแสไฟ: ≤ 400 mA (ไฟเปิด) / ≤ 70 mA (ไฟปิด)
- การชาร์จ: DC 5V $\equiv$ 1300 mA
- แบตเตอรี่: 8000 mAh ลิเทียม
- Polling Rate: สาย 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- ระยะเวลาใช้งาน: 10 ม.
- ข้อกำหนดระบบ:
สาย/2.4G: Windows XP/7/8/10
USB 1.1+
BT: Windows 8/10+, macOS/Android/iOS ที่รองรับ BLE 4.0/5.0
- การเชื่อมต่อ:
USB/2.4G เสียบแล้วใช้ได้ทันที
BT เปลี่ยนช่องและเชื่อมต่อ

- Nombre de touches : 84
- Course totale : 4,0 mm
- Touche FN : Multifonction
- Dimensions : 390,5 × 140,72 × 43,34 mm ±0,1 mm
- Poids : env. 1216 g (capuchons/interrupteurs inclus, sans câble/récepteur)
env. 1263 g (tout inclus)
- Tension nominale : DC 3,7V (4,2V chargé)
- Courant nominal : ≤400 mA (lumière on) / ≤70 mA (off)
- Charge : DC 5V **==** 1300 mA
- Batterie : 8000 mAh lithium rechargeable
- Taux de polling : Câble 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Distance : 10 m
- Systèmes requis :
Câble/2.4G: Windows XP/7/8/10
USB 1.1+
BT: Windows 8/10+, macOS/Android/iOS BLE 4.0/5.0+
- Connexion :
USB/2.4G plug & play.
BT: changer le canal et appairer.

- Кількість клавіш: 84
- Повний хід: 4.0 мм
- Клавіша FN: Багатофункціональна
- Розміри: 390.5 × 140.72 × 43.34 мм ±0.1 мм
- Вага: ~1216 г (з кейкапами/світчами, без кабелю/приймача)
~1263 г (усе включено)
- Номінальна напруга: DC 3.7V (4.2V заряджено)
- Номінальний струм: ≤400 mA / ≤70 mA
- Зарядка: DC 5V  1300 mA
- Акумулятор: 8000 mAh
- Частота опитування: Кабель 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Дистанція: 10 м
- Вимоги:

Кабель/2.4G: Windows XP/7/8/10

USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS BLE 4.0/5.0+

- Підключення:

USB/2.4G plug & play

BT — перемкнути канал та під'єднати

- Jumlah tombol: 84
- Jarak tekan total: 4.0 mm
- Tombol FN: Multi-fungsi
- Dimensi: 390.5 × 140.72 × 43.34 mm ±0.1 mm
- Berat: ±1216 g (dengan keycap/switch tanpa kabel/receiver)
±1263 g (semua termasuk)
- Tegangan nominal: DC 3.7V (4.2V penuh)
- Arus nominal: ≤400 mA (lampu on) / ≤70 mA (off)
- Pengisian: DC 5V  1300 mA
- Baterai: 8000 mAh lithium recharge
- Polling Rate: Kabel 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Jarak operasi: 10 m
- Persyaratan sistem:
Kabel/2.4G: Windows XP/7/8/10
USB 1.1+
BT: Windows 8/10+, macOS/Android/iOS BLE 4.0/5.0+
- Koneksi:
USB/2.4G plug & play
BT: pilih kanal dan pair

- キー数: 84キー
- キーストローク: 4.0 mm
- FNキー: 多機能
- 製品サイズ: 390.5 × 140.72 × 43.34 mm ±0.1 mm
- 製品重量: 約1216 g (キーキャップ/スイッチ含む、ケーブル/レシーバーなし)
約1263 g (全て含む)
- 定格電圧: DC 3.7V (満充電 4.2V)
- 定格電流: ≤400 mA (バックライトON) / ≤70 mA (OFF)
- 充電: DC 5V  1300 mA
- バッテリー容量: 8000 mAh リチウム充電電池
- ポーリングレート: 有線 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- 動作距離: 10 m
- 対応システム:
有線/2.4G: Windows XP/7/8/10 (Win95/98はドライバ必要)
USB 1.1以上
BT: Windows 8/10+, BLE 4.0/5.0対応 macOS/Android/iOS
- 接続方法:
USB/2.4G ホットスワップ対応
BT: チャンネルを切り替えてペアリング

- Số phím: 84
- Hành trình phím: 4.0 mm
- Phím FN: Đa chức năng
- Kích thước: $390.5 \times 140.72 \times 43.34 \text{ mm} \pm 0.1 \text{ mm}$
- Trọng lượng: khoảng 1216 g (kèm keycap/switch, không gồm cáp/receiver)
khoảng 1263 g (bao gồm tất cả)
- Điện áp định mức: DC 3.7V (4.2V khi đầy)
- Dòng định mức: $\leq 400 \text{ mA}$ (đèn bật) / $\leq 70 \text{ mA}$ (tắt)
- Sạc: DC 5V  1300 mA
- Pin: 8000 mAh lithium
- Polling Rate: Có dây 1000 Hz / 2.4G 1000 Hz / BT 125 Hz
- Khoảng cách hoạt động: 10 m
- Yêu cầu hệ thống:

Có dây/2.4G: Windows XP/7/8/10

USB 1.1+

BT: Windows 8/10+, macOS/Android/iOS BLE 4.0/5.0+

• Kết nối:

USB/2.4G cắm là chạy

BT chuyển kênh và ghép đôi



Dongguan Suoai Electronics CO.,LTD

www.aulastar.com

SOAI Industry Park, Huayu Street Changlong

Village Huangjiang Town Dongguan City

Guangdong Province

Execution Standard: GB/T 14081-2010

Made in China



Points de collecte sur www.quefairedemesdechets.fr

说明书技术要求:

- 1.成品尺寸:100x130mm
- 2.材质:120g铜版纸+打骑马钉
- 3.工艺:四色印刷