NyxKeys

Athena 65
User Manual

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Battery Safety – Wireless Models

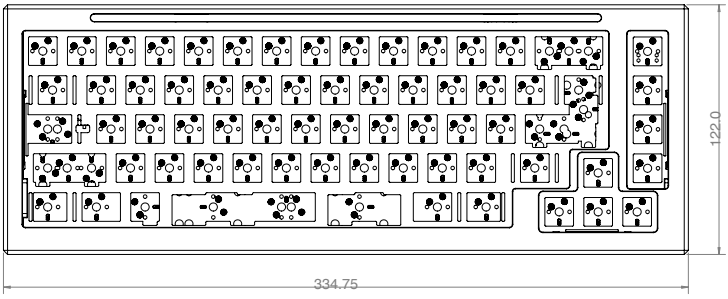
- Do not overcharge, unplug once fully charged.
- Allow discharge to around 20–30% before recharging to extend lifespan.
- Avoid continuous charging. Prolonged charging can cause battery swelling and in some cases can be a fire hazard!
- Swollen batteries are a hazard and must not be used.
- Dispose safely. Follow local laws for battery recycling and disposal.

Child & Pet Safety

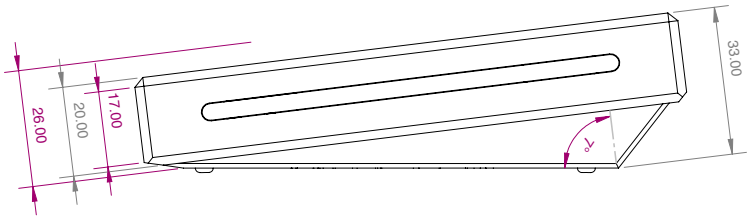
- Switches, screws, stabilizers, and keycaps are choking hazards. Keep all components and packaging materials out of reach of children and pets.
- Avoid leaving USB cables, loose wires, or battery leads accessible to pets, as chewing may cause electric shock, burns, or damage to the device.
- Keep screwdrivers, hex keys, and other tools stored safely when not in use.
- When soldering, ensure children and pets are kept well away from the work area to avoid burns, and ensure you have proper ventilation.
- When the keyboard or kit is not in use. Turn it off and store it in a safe location where small parts cannot be accessed.

Kinetic Impact Advisory

- This product is not designed, rated, or certified for use as a projectile. Accelerating the device to a velocity sufficient to impact a human, animal, or inanimate object may result in undesirable structural deformation, personal injury, and voiding of your warranty. For optimal performance and user satisfaction, maintain the device within standard operational vectors and avoid imparting momentum toward biological entities.

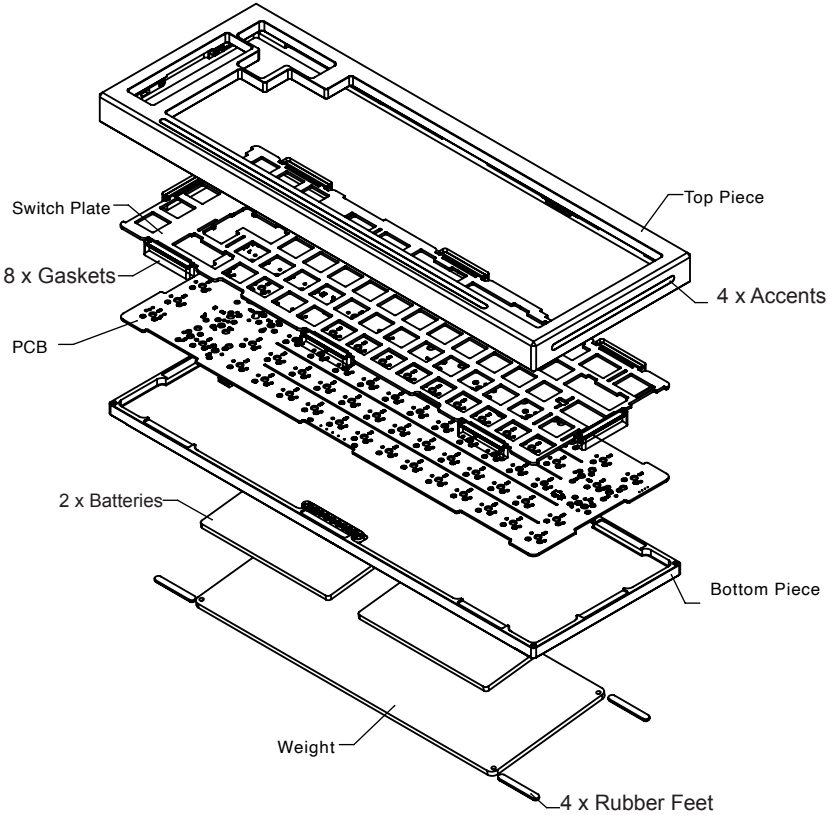


- Athena is a 65% keyboard, with a 7° typing angle.
- Athena supports multiple layouts and a swappable accent system.
- Athena runs on ZMK firmware and supports ZMK studio.
- Athena also supports a swappable knob system.
- Athena supports multiple layout options.

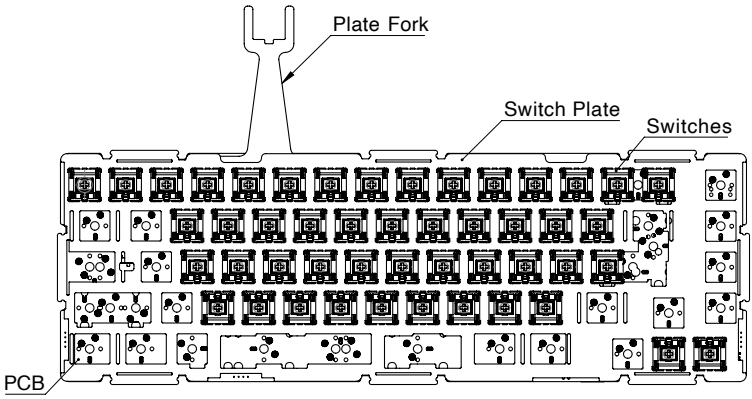


(Effective Keyboard Height)

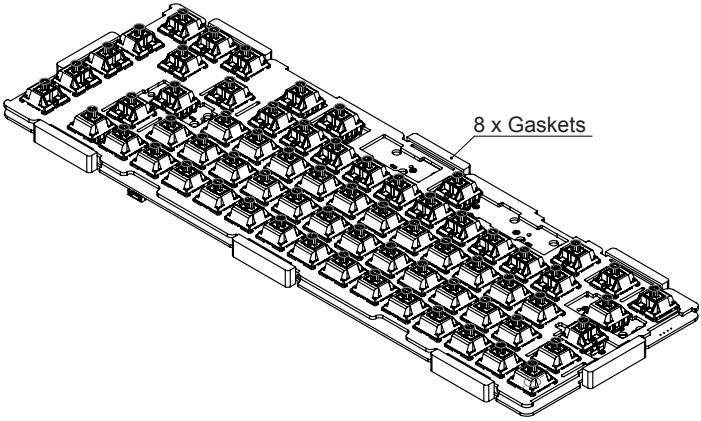
- Athena has an EKH of 26mm



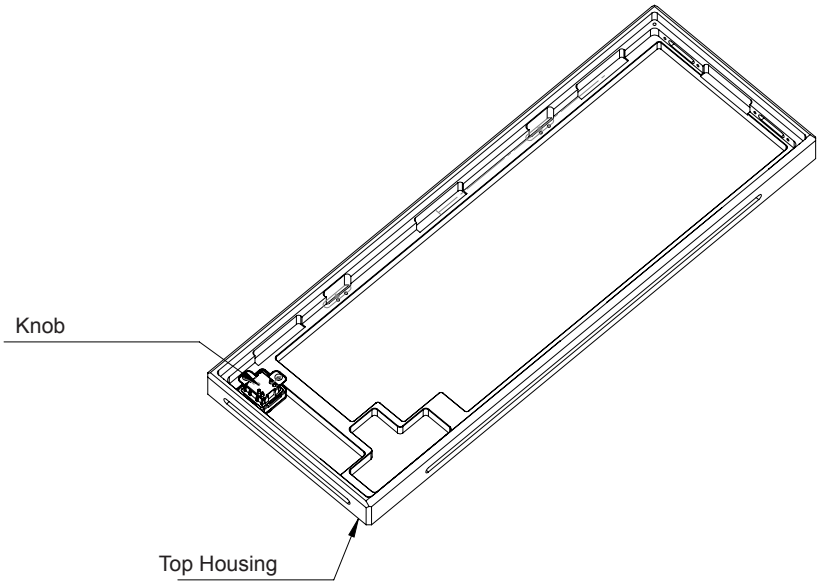
- Exploded view showing the included components.
- Batteries may or may not be included in the kit depending on the option chosen at checkout.



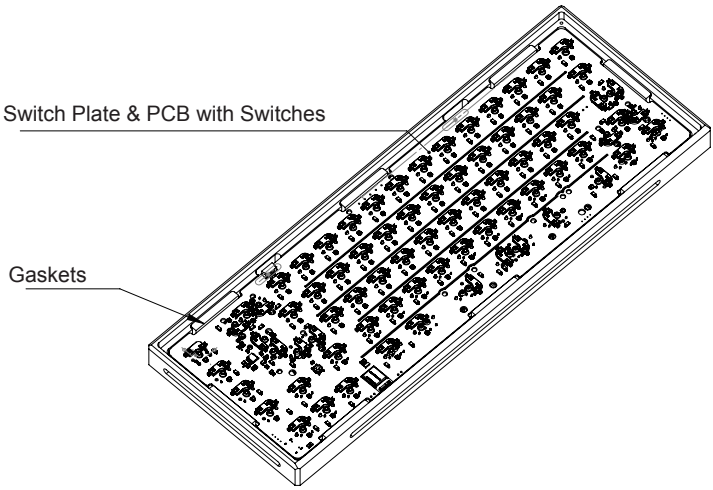
- Install the stabilizers onto the PCB.
- Align the switch plate with the PCB.
- Using the provided switch plate fork, insert it under the switch plate and begin placing switches into the PCB.



- Once all required switches are installed, attach the gaskets to the switch plate tabs.

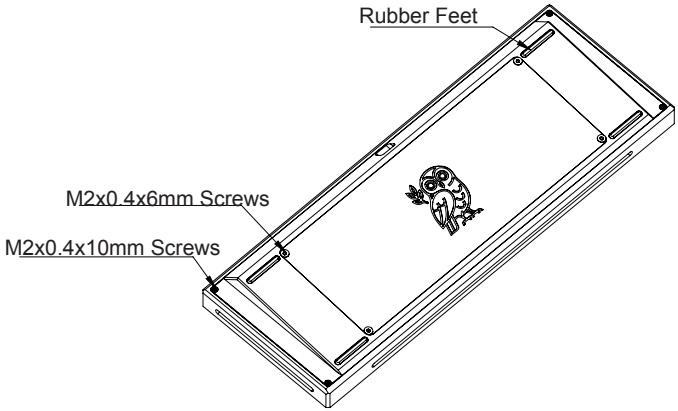


- Optional step, if you bought the knob.
- Align the knob with the 2 holes in the top housing.
- Once the knob has been aligned properly screw it in with the provided m2x0.4x4mm screws.
- Once you feel resistance the screws are tight enough, over tightening can damage the knob assembly.
- After installing the knob, make sure the switch on the top of the key cluster is not installed.



- Line up the PCB and Switch plate sub assembly with the Gasket slots in the top housing.

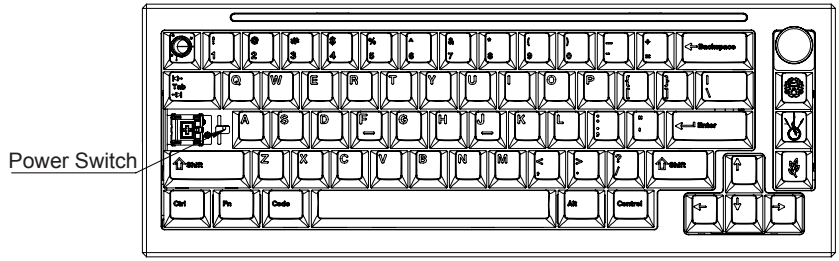
- The sub assembly should drop into the top housing without any resistance, if you feel there is resistance. Check the gaskets and ensure they are pushed all the way in.



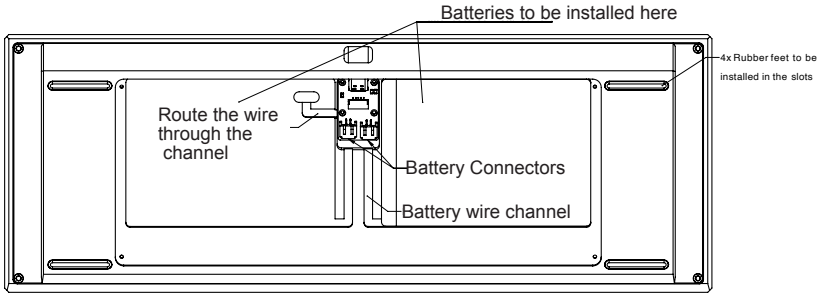
- Line up the bottom housing on top of the Top housing and gently place it in.

- Once the bottom housing has been placed inside the top use the provided m2x0.4x10mm screws to tighten the assembly.

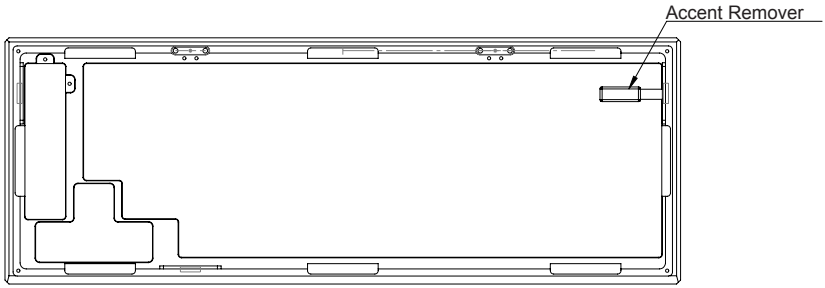
- Once the screws are flush with the chamfered holes on the bottom housing the screws have been tightened enough, over tightening can cause the screws to strip or the head of the screw to strip.
- Install the provided rubber feet.
- Now Athena is ready for your choice of keycaps.



- Once you've installed the keycaps of your choice, make sure to toggle the switch to on position or the keyboard wont work.
- We hope you enjoyed building the keyboard as much as we enjoyed designing it. Please feel free to email us with suggestions or if you need help with anything regarding the keyboard.



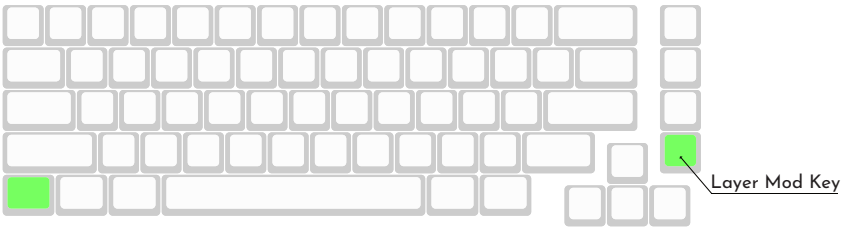
- If the keyboard wont be used for longer period of time, remove the batteries and store them separately. The same applies for if the keyboard is primarily being used wired.



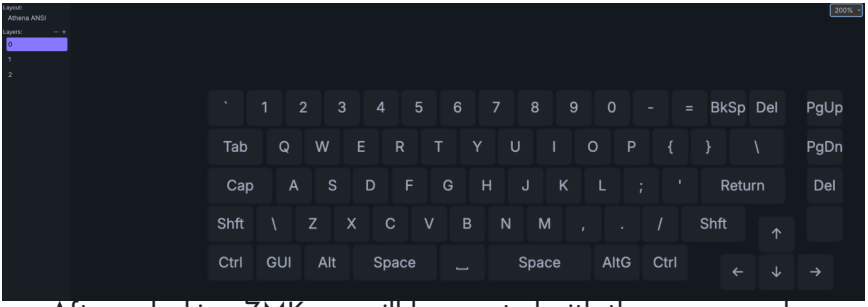
- To replace the accents, use the provided accent remover tool. Push the accents from the inside of the top housing till it protrudes from the other side.

- Once the accent starts protruding from the other side grab it and then repeat the process on the other side and the accent will snap out.

- If not done correctly the accent can bend a bit which can easily be shaped back to its original shape just apply even and gentle pressure to the middle of the accent and it will be back in shape.



- To configure the key-map go to ***https://zmk.studio*** in connection type click on USB and select Athena from the dropdown.
- Once prompted to unlock the keyboard press the highlighted keys in the image above. This will unlock ZMK studio and you can now configure the key-map.



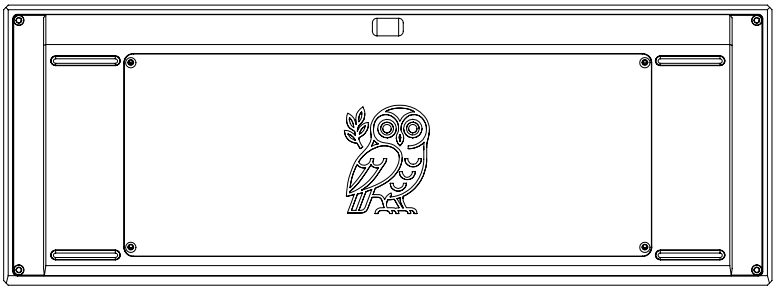
- After unlocking ZMK you will be greeted with the screen as shown in the above image.
- To modify current key-map click on any button and select from multiple options ZMK supports!
- ZMK also supports layers, layers can be accessed using the layer mod key, by default the layer mod key is the last key in the key cluster.
- The 2nd layer by default is the LED layer and the 3rd layer is used for entering boot loader mode.

LAYER 2 KEY-MAP

- The LED toggle button is used to turn the LED's on and off.
- The BT 0 - BT 4 buttons are different bluetooth profiles that can be assigned to different devices.
- The "Clear All Profiles" button is used to delete all existing bluetooth devices stored on the keyboard.
- The "Clear Selected Profile" button is used to delete the current profile.

LAYER 3 KEY-MAP

- Layer 3 can be accessed by holding the 2 highlighted buttons simultaneously.
- The "Boot loader" button puts the keyboard in boot mode and mounts it as a removable drive, where you can drag and drop the desired firmware.
- The "BT Mode" button is used to switch the keyboard to wireless mode.
- The "Wired Mode" button is used to switch keyboard to wired mode.



- NEVER USE **ISOPROPYL ALCOHOL,ACETONE OR ANY SORT OF LACQUER THINNER** TO CLEAN THE WEIGHT. The weight on Athena is coated with a resin based clear coat which helps prevent scratches and keeps it from oxidizing. If an aforementioned chemical is used to clean the weight the resin will start peeling off.

- To clean the weight or the unit in general use a softer cleaner like windex, never spray directly on the part to be cleaned. Spray it on a **clean** microfibre cloth and wipe gently.

- Incase water is spilled on the keyboard or any beverage, disconnect the power as it can cause shorts. Inspect the water damage and gently rub the PCB with a microfibre cloth. **BEING ROUGH WITH WIPING CAN CAUSE DIODES TO BREAK OFF SO BE GENTLE.** After wiping it let it air dry, once confident its dry you can plug it back in.

- If the liquid spilt leaves a sticky residue, spray the PCB with 99% IsoPropyl Alcohol and gently wipe it off. **DO NOT USE ANYTHING LESS THAN 99% ISOPROPYL ALCOHOL AS DILUTED ALCOHOL CAN LEAVE RESIDUE ON THE PCB WHICH CAN CAUSE SHORTS.**

- Check on the battery every once in a while, if the keyboard stays plugged in often, if you find yourself using the keyboard plugged in most of the time. Consider disconnecting and storing the batteries as long term exposure to power can cause swelling in batteries.

Keyboard will not turn on

- Ensure the power switch is set to the ON position.
- If using batteries, confirm they are properly seated in the connectors (see Internals section).
- If using wired mode, confirm you are using a data-capable USB-C cable (some charge-only cables will not work).
- Try removing and reseating the batteries if the keyboard is unresponsive.

Bluetooth is not working

- Make sure the keyboard is in BT Mode (See Key-map section)
- Ensure Bluetooth is enabled on your device.
- Try switching to a different profile (BT0–BT4) using the Bluetooth profile keys (see Key-maps section).
- If pairing fails, enter Layer 2 and use the Bluetooth reset button (refer to Key-maps section).
- If nothing works, toggle the power switch OFF and back ON to reset the unit.

Keys are not registering

- Confirm all switches are fully seated in the PCB and plate.
- If using hot-swap PCB, remove and reinstall the switch to ensure proper contact, sometimes the pins can bend.
- Test the keyboard in wired USB mode to rule out a Bluetooth connection issue.

LEDs are not lighting up

- Toggle the LED button on Layer 2 (see Key-maps section).
- Verify that brightness is not set to minimum (adjust using the HUE/BRI keys on Layer 2).

Accent pieces feel loose or misaligned

- Ensure accents are fully snapped into place.
- If needed, gently press the accent flat against a soft surface to restore its shape or gently bend it from the edges (see Internals section for removal/replacement).

ZMK Studio is not working

- Check connection mode: ZMK Studio requires a wired USB connection. If the keyboard is in Bluetooth mode, switch back to wired mode before continuing.
- Unlock the keyboard: When prompted, press the highlighted keys to unlock (see Keymap Config section).
- If wireless: Toggle the power switch OFF, wait a few seconds, then turn it ON again.
- If wired: Unplug the USB-C cable and reconnect it. Make sure the cable is data-capable and not charge-only.

My problem is not listed here/need additional help

- If your problem still hasn't been resolved please email us at support@nyxkeys.com and we will reply back to you as soon as we can!