



# Glove80

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An Ergonomic Keyboard  
Designed for Life

*A keyboard designed to work with our body not against it. Made for extended ergonomic use, adapting with us over time, it is an excellent blend of form and function.*

**Overview**

**moergo**

# Introduction

*A keyboard for living*

As the landscape of the workplace has changed, we increasingly spend our days working on devices, and we ask a lot from our hands and wrists as they navigate us through the digital world. **We need tools that are designed to work with our bodies not against them.**

A keyboard should:

- Take advantage of the strongest muscles in our hands and reduce the strain on the weaker ones
- Allow us to type without contorting our fingers, twisting our wrists, or holding tension in our shoulders
- Follow the natural movements and curvature of our fingers, hands, and arms
- Be adjustable to individuals not just during setup but to continuously adapt to the everyday changes in our bodies and the tasks we are doing
- Be easily taken with us to different locations
- Be easily used with all our various devices

A keyboard should be something that is ours, not something that is forced on us: **it should fit like a glove.** Because we couldn't find any keyboard that did all these things we designed the Glove80.





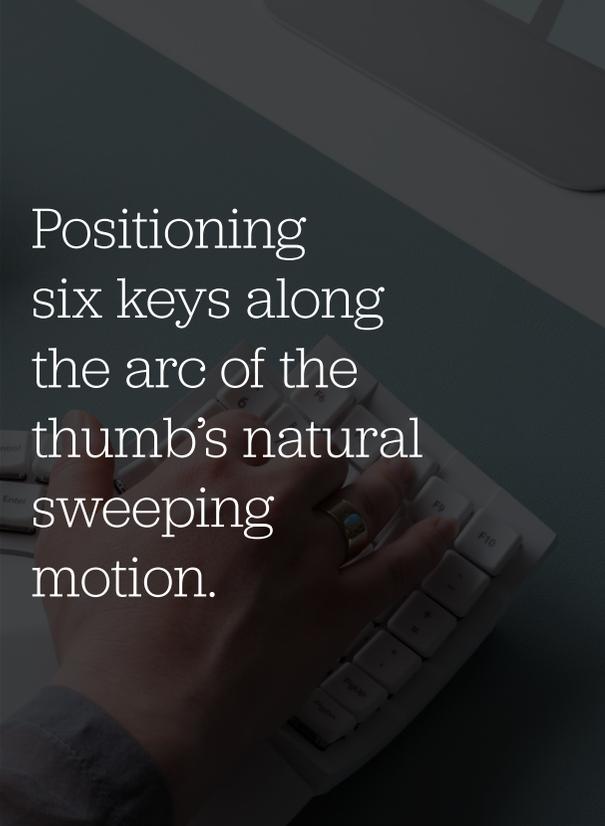
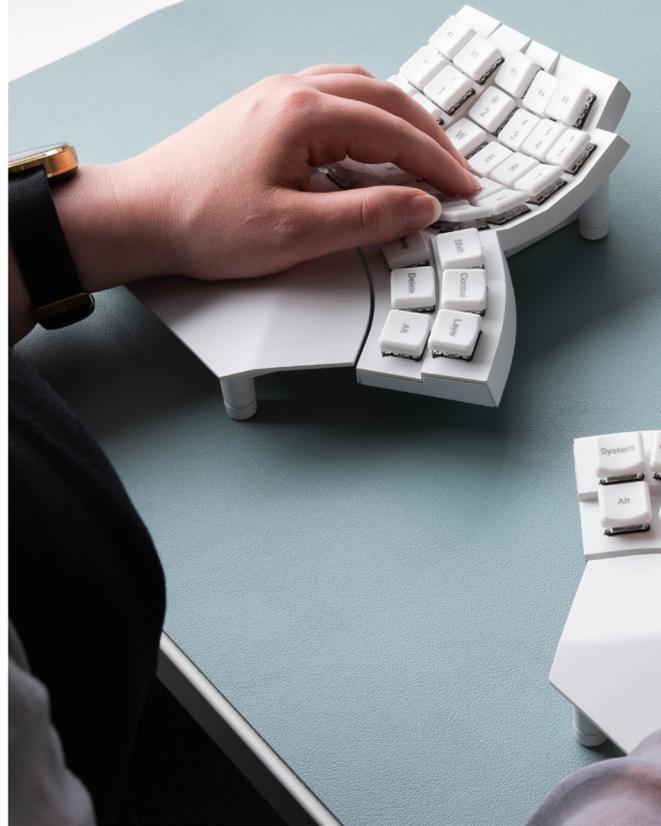
Designing for ergonomics is always a challenging endeavour. Aside from the complexity of our bodies' movements, musculature and requirements for comfort, the needs of one person differ drastically from the next. Glove80 came out of a human-centred design approach with **over 500 working iterations, each tested by multiple users.** Our unique form is structured around the motion of typing, with every element of the form supporting and guiding our hands.

## Contoured Columns

*Contoured arc of vertically aligned keys follow the curl of our fingers*

Glove80's form arranges the keys to follow the curves our fingertips draw when we curl our fingers. This **optimises the motions during typing, using only the stronger muscles helping us type faster and with less fatigue.** We are grateful to the innovations of prior contoured keyboard designs such as Maltron and Kinesis Advantage, which introduced the curved column archetype.

With Glove80 we further pushed the precision of the contoured columns. Through our extensive user testing we finessed the placement and angles to enable large and small hands to reach each key **without lifting the palms or twisting the wrists.** Additionally we angled the movement of each individual key to be perpendicular to the contact point with the finger. This makes the typing action as smooth and effortless as possible.



Positioning six keys along the arc of the thumb's natural sweeping motion.

## Thumb Cluster

*Using our strongest digits for more than just 'Space'*

Glove80's curved thumb cluster lets us use our thumbs effectively, and for so much more than just the spacebar. Our thumbs are our **strongest, most agile digits, and are underutilised on most keyboards.**

Glove80 puts the thumb to good use, by positioning six keys along the arc of the thumb's **natural sweeping motion** outwards from the hand.

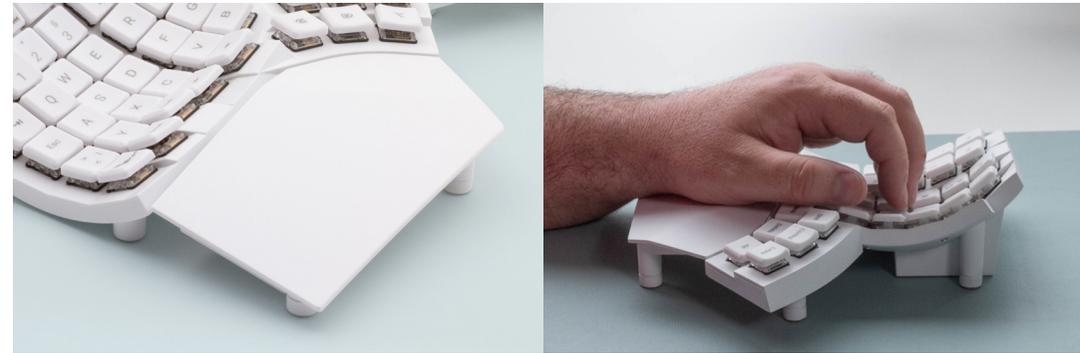
By using the thumb keys for the keyboard's modifiers, such as Shift and Control, the hand is put under less strain while typing 'chords' of keys, and we can comfortably type chords one-handed. Our strong thumbs can also be used for commonly-used keys like return, delete and backspace, which **relieves the workload on other fingers, especially the pinkies.**

# Palm Rest

*Designing for how people actually type rather than how they 'should' type*

Uniquely the Glove80 is designed so we can **type comfortably with our palms resting**. Even though this is how most people type, most keyboards are not intended to be used this way. Resting our palms fixes the position of the wrists. Using a standard keyboard with resting palms means we have to twist and strain our hands to reach the keys. Palm rests on other ergonomic keyboards are an improvement, but their bulky forms require the keyboard to be tilted towards the user, resulting in bent wrists.

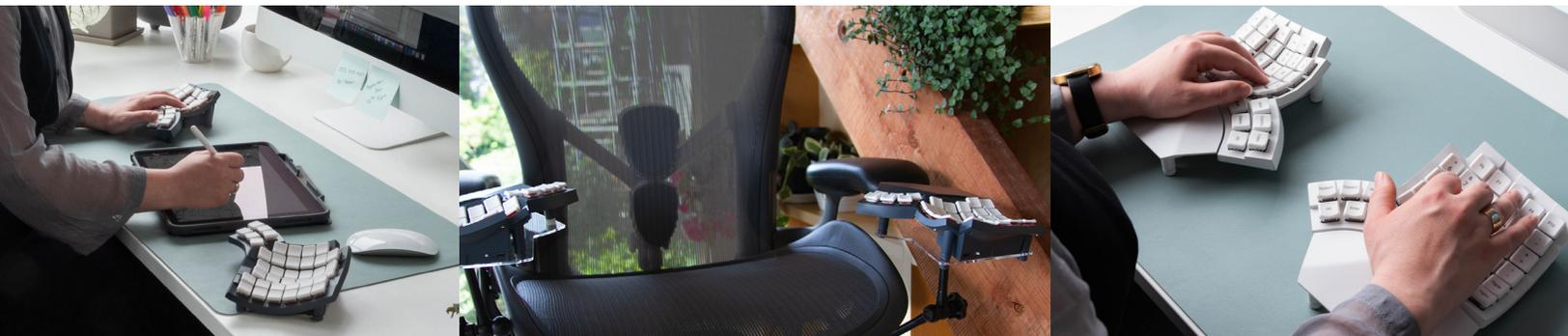
The angle and low height of Glove80, codedesigned through extensive user testing, solve these problems. **Now we can type with straight wrists and without lifting our hands.**



# Split

*Unlimited positioning for any shoulder width*

The tension we hold in our shoulders can be painful and distracting when typing. Glove80's split design **allows each half of the keyboard to be positioned in line with our shoulder width**, so we don't have to twist our arms inwards all day. We even make it easy to mount the keyboard in any customised position. **We don't have to be limited to a desk:** Glove80 can be mounted to a chair or any custom stand.



# Low Profile

*A keyboard that  
doesn't require a whole  
new desk*



The Glove80 has an extremely low profile for an ergonomic keyboard. While this comes with the benefit of making it **smaller and more portable**, the low profile is critical for ergonomic reasons. It is not easy to adjust the height of most desks, and most ergonomic keyboards are necessarily bulky, which raises the typing height to an uncomfortable level. Glove80 achieves a **low profile that allows us to relax and drop our shoulders** because our hands are closer to the desk. The low profile is key to a comfortable typing position.





## Customisable Angles

*No ergonomic design will work  
unless it is customisable*

The customisable 'tenting' allows us to position the keyboard at an angle that **matches the natural angle of our hand**. Holding our hands parallel to the table is uncomfortable compared to turning our hand and forearm slightly so our thumb is pointing into the air. Glove80's standard angle is selected to be comfortable for the greatest number of people, but the carefully-positioned adjustable legs mean we can **individually fine-tune the angle to precisely match our body's needs**.

The adjustable legs are also designed to **make custom mounting easy** and to be compatible with standard tripod fittings.



## Customisable Keys

*No ergonomic design will work  
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Key layout is important. Glove80 lets us [choose and modify our own key arrangement](#), as well as create multiple layouts to switch between. This can be particularly useful with different tasks and programs. For example, you may want to move specific command keys to your left hand if you are simultaneously using a mouse with your right hand.

Uniquely, the Glove80 lets [anyone easily remove and place any keycap at any position](#) to match a chosen layout. This is because we created the contour using the angle of the key switches rather than modifying the shape of the keycaps. The ability to rearrange keys is crucial, as many of us rely on visual feedback while typing.

The materiality of the keys is also customisable. You can choose the colour, translucency, and legends to meet your needs. The keycap material gently diffuses the customisable RGB backlighting. You can choose from three types of key switches each with a distinct tactile quality: 'linear', 'tactile' or 'clicky'.



## Wireless and Portable

*A design that moves with you*

We type everywhere: in cafes, on trains, at home and at work. A keyboard shouldn't tie you to a location; it needs to move with you.

The Glove80 easily fits in a bag. It can connect to all of our different devices and be linked to four devices simultaneously, making it easy to switch between them. [Shifting location no longer needs to be a burden but rather a refreshing change.](#)





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