



Vitruvian

Team Vee

User Guide

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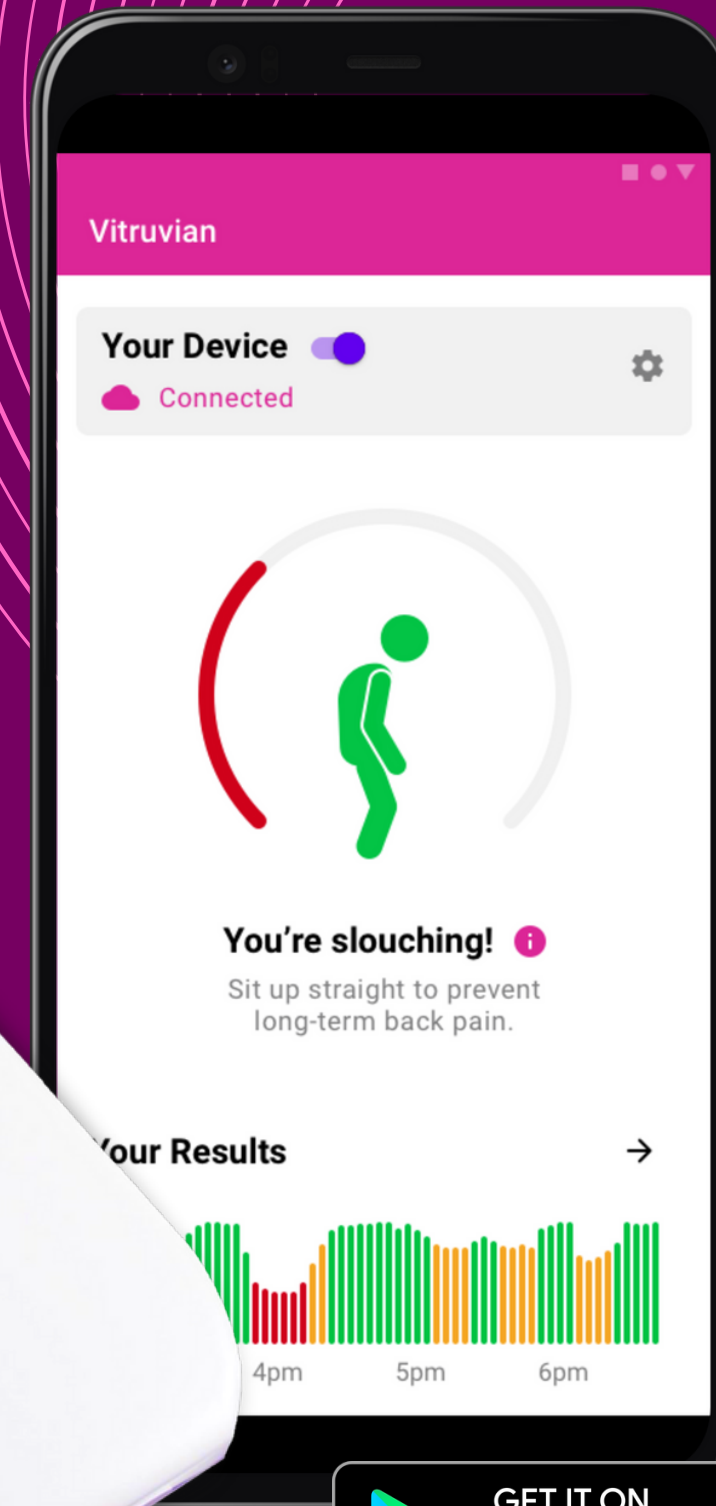
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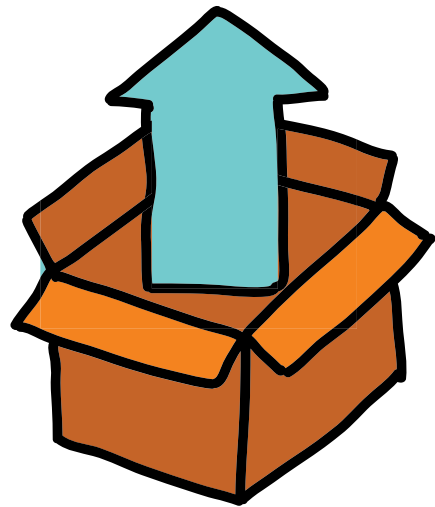
Our compact device provides **real-time posture feedback** and activity tracking, including **long periods of sedentary activity**.

This is a necessity in today's world where back pain accounts **for more than 264 million lost work days in 1 year**.

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1. Unbox

You will find the vitruvian device, a case and the charger together with this user guide



2. Charge device

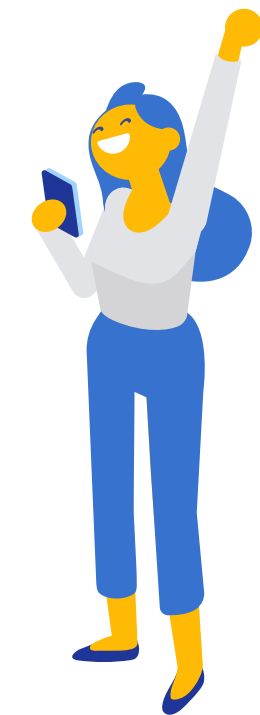
The device is fully charged when all the 3 dots on the front become bright purple



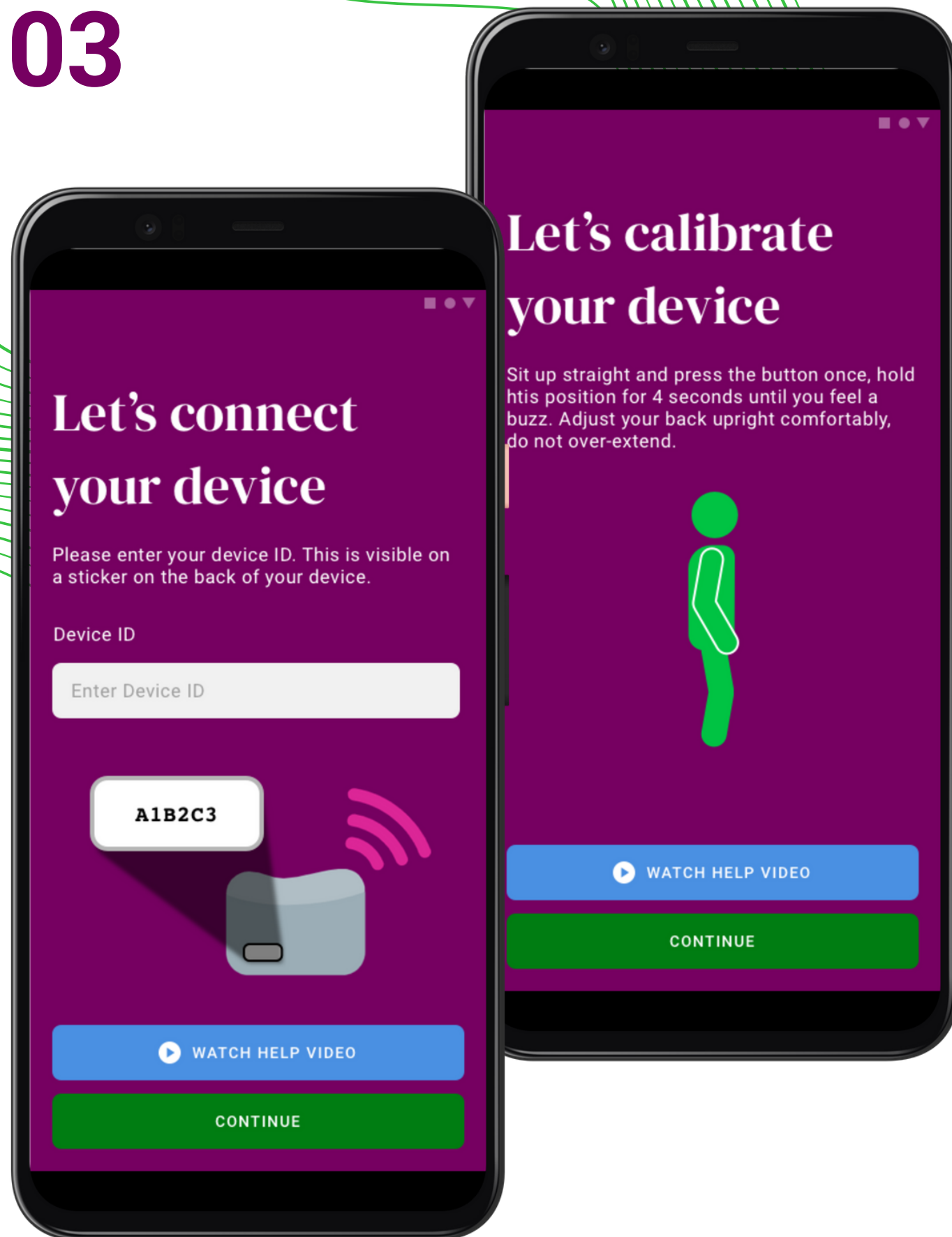
3. Attach it to your back



4. Check your results in the app



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Setup your device

1. Download the **Vitruvian app** from the Play Store.



2. **Follow the instructions in the app** to connect to your device via Bluetooth.



3. To calibrate, **sit upright** and press the button once. Hold this position for **4 seconds**.



4. Then, **slouch forwards naturally** and press the button once. Hold this position for **4 seconds**.



Your Vitruvian Device

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Back measurement is calculated using two sensors on your upper and lower back. Two sensors allows us to measure angle more accurately, so we can compare values to determine your spine's curve!

All components are housed inside a protective casing, which is designed to be comfortable for all-day wearing and non-irritant to support those skin sensitivities.

The system is powered by a 2000 mAH internal battery, with enough charge to last all way through the day! The recharge port is located a the bottom of the device.

The Raspberry Pi at the heart of our system has built-in wireless capabilities, meaning we can send data to the app to facilitate progress tracking.

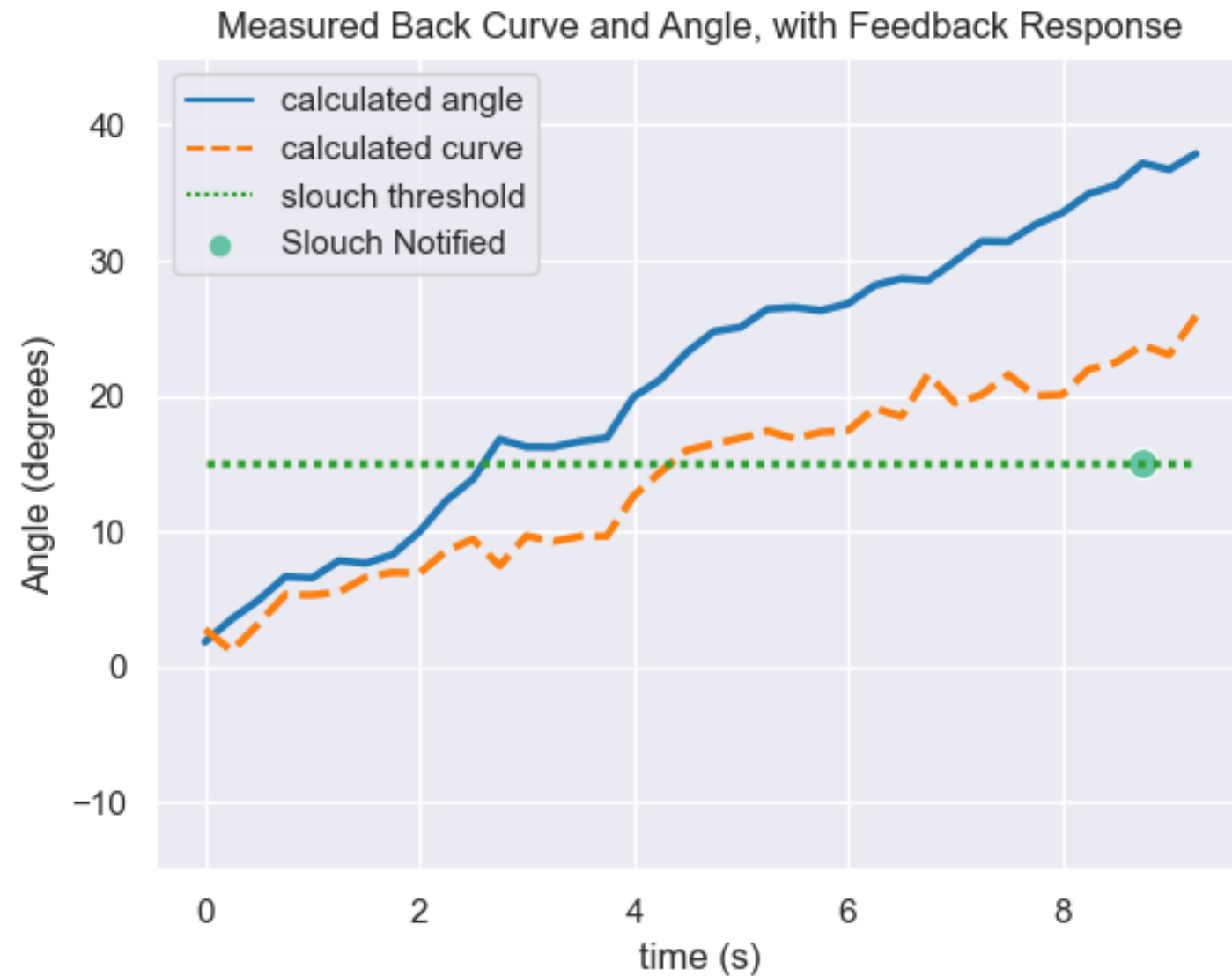


Detection

Vitruvian tracks your posture by measuring the angle and curve of your spine. As we compare to your calibrated values, the system can meet your needs, whatever they are.

If you bend over to grab something, Vitruvian won't immediately start complaining at you! Stay in poor posture for too long however, and the system will remind you to sit up straight again using the tactile buzzer.

Vitruvian also carries out activity detection, and can remind you when you've been sitting down too long. Vitruvian uses different buzzer sequences compared to when you're slouching, so no need to check your phone!

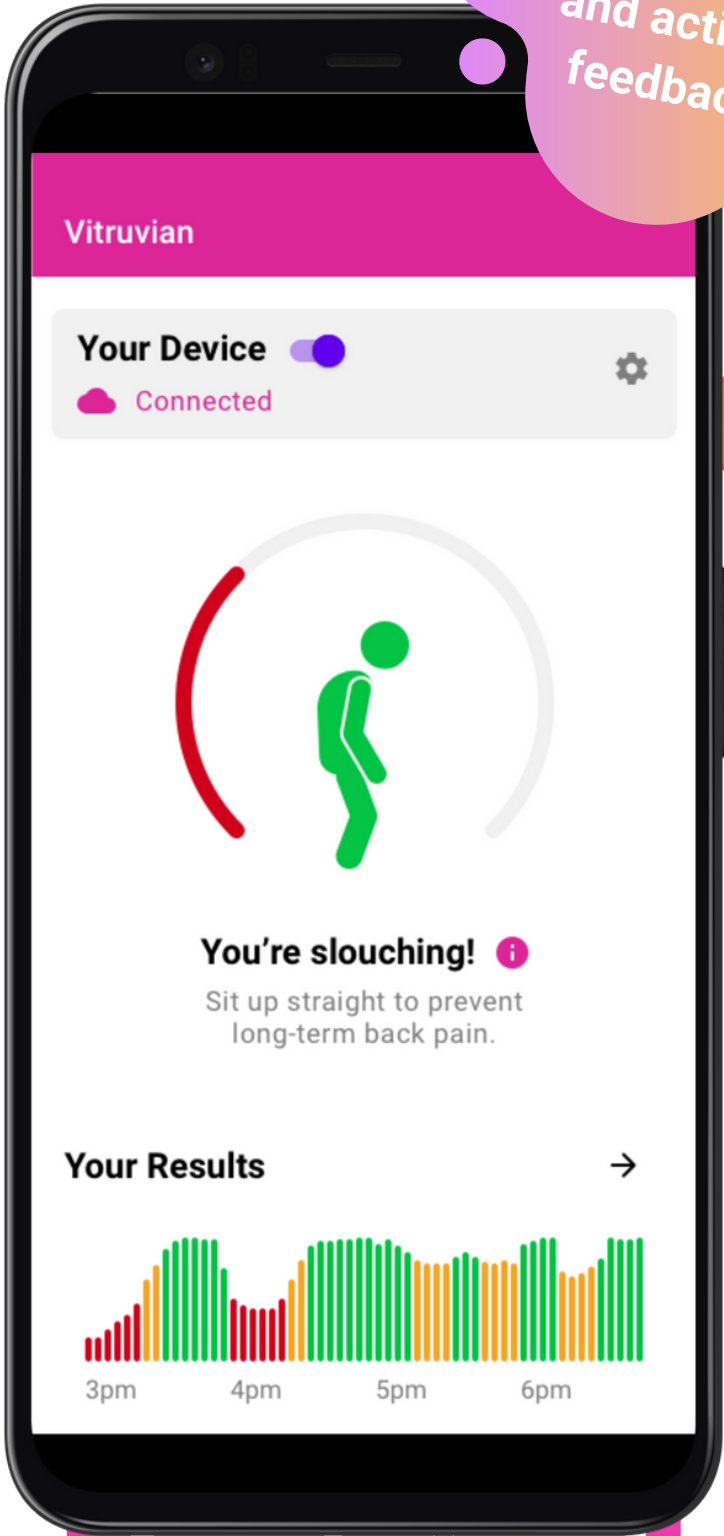


Android App

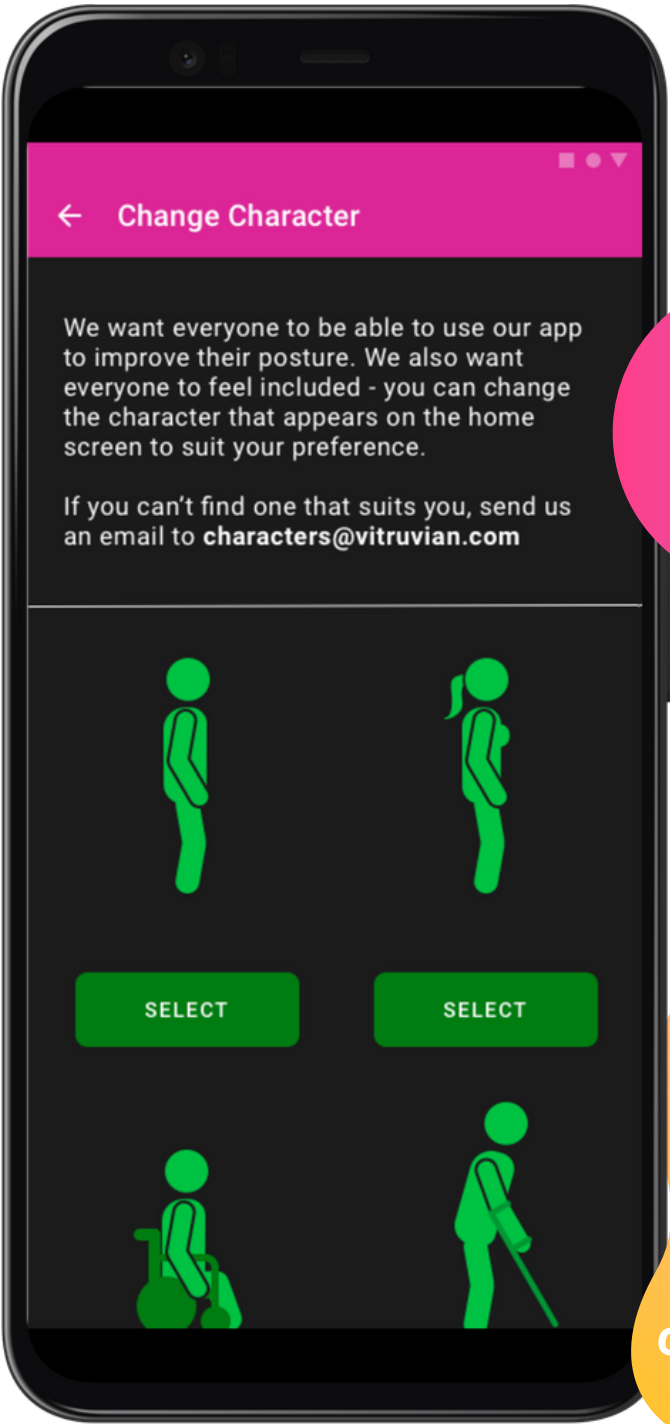
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View your posture results and activity tracking



Real-time posture and activity feedback

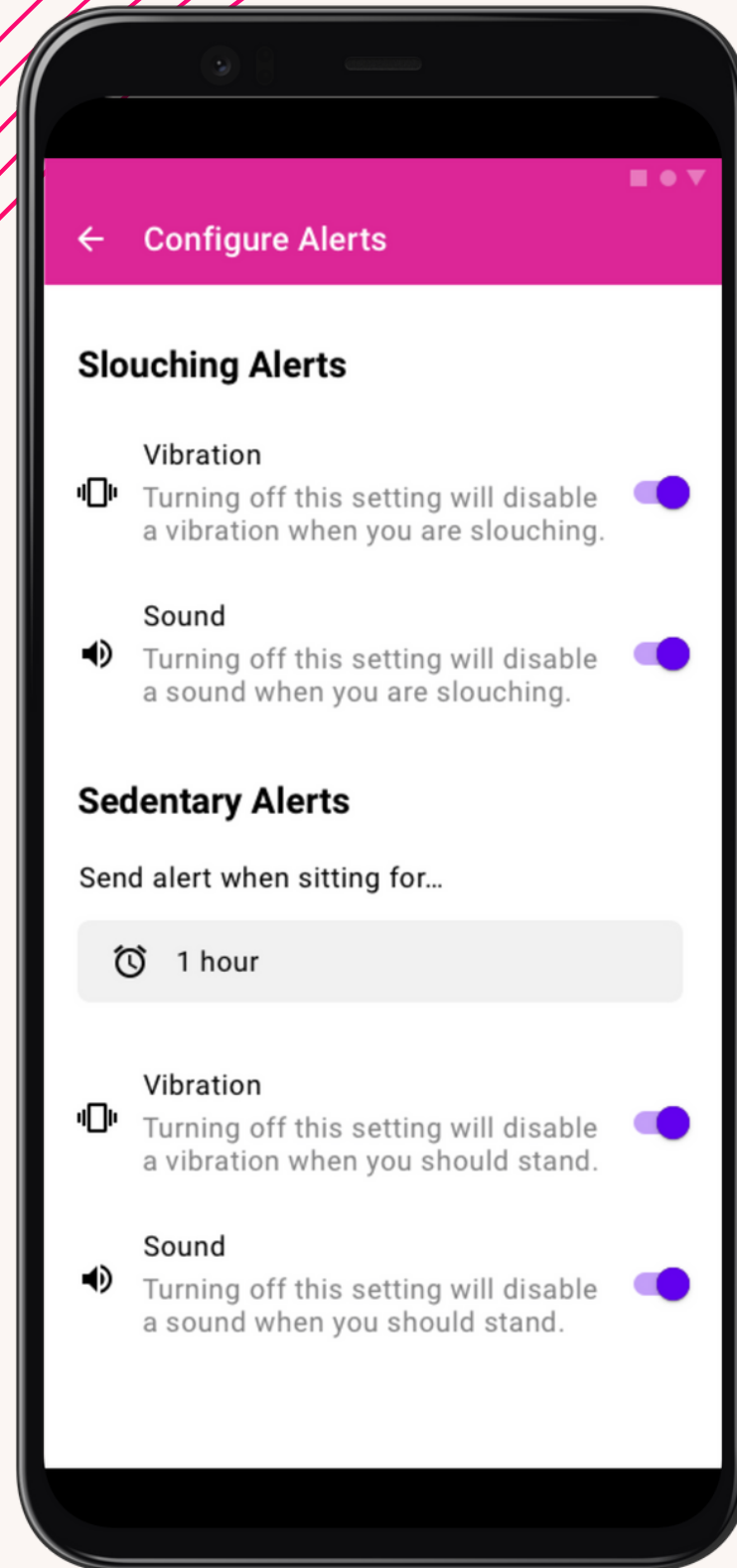
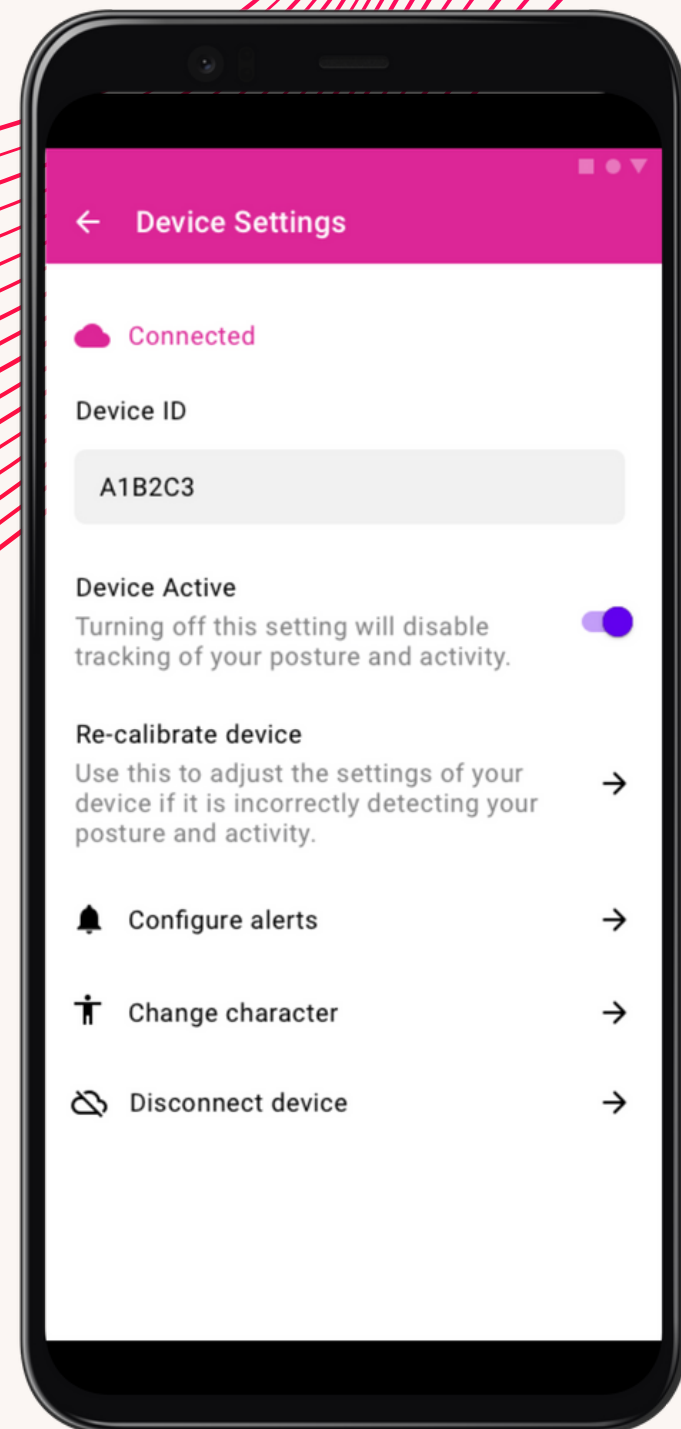


Customize your character to suit you

Supports dark mode

WCAG compliant!

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Troubleshooting

- **If your device is not detecting slouching or activity:** Check your Alert Settings in Device Settings of the app, or recalibrate the device (see p3 or Device Settings in the App).
- **If your device is detecting activity incorrectly:** Recalibrate the device (see p3 or Device Settings in the App).
- **If you still experience problems:** Try unpairing the device from your phone via Bluetooth. Lay the device on a flat surface. Turn it off for 10 seconds, then turn it back on and reconnect to your phone.
- If problems persist, email us at **support@vitruvian.com** for further advice or device replacements.



Vitruvian

For Inquiries and Concerns:

Website

group5.sdp.inf.ed.ac.uk

Support

support@vitruvian.com

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