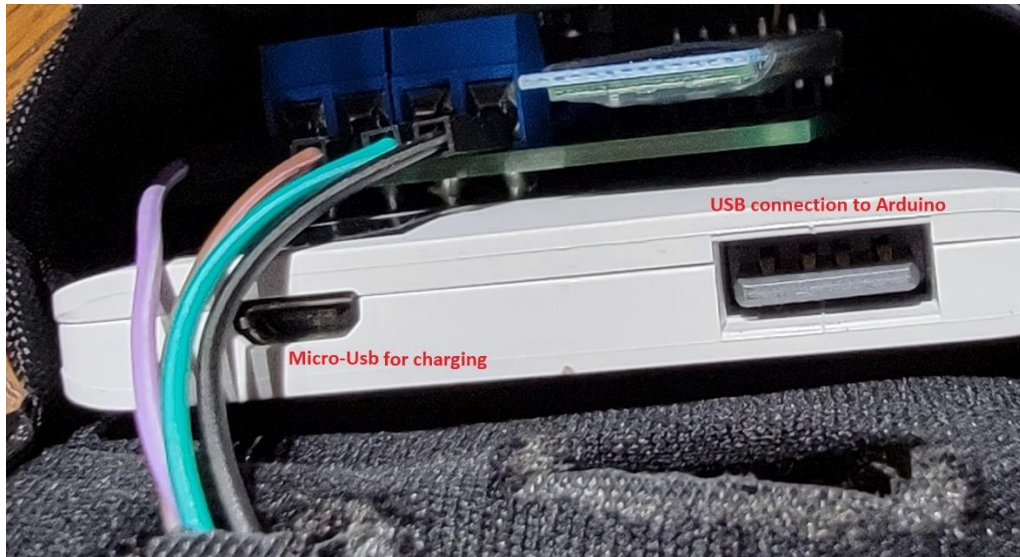


# CardiO2 User Manual

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1. To start off, makes sure to have thoroughly charged the battery to full by plugging a micro-USB charger cable to the battery's socket, located on the front end of the wristband device as shown bellow. Make sure to have the Arduino connected via USB to the battery proceeding if it was unplugged.



2. Next open the strap of the wristband portion of the device, and place your hand through it, making sure to keep the circuitry in the pouch facing upwards.



3. Next tighten the strap by pulling it through the buckle, then once at a comfortable but safe tightness, push on the buckles slides to lock it into place.

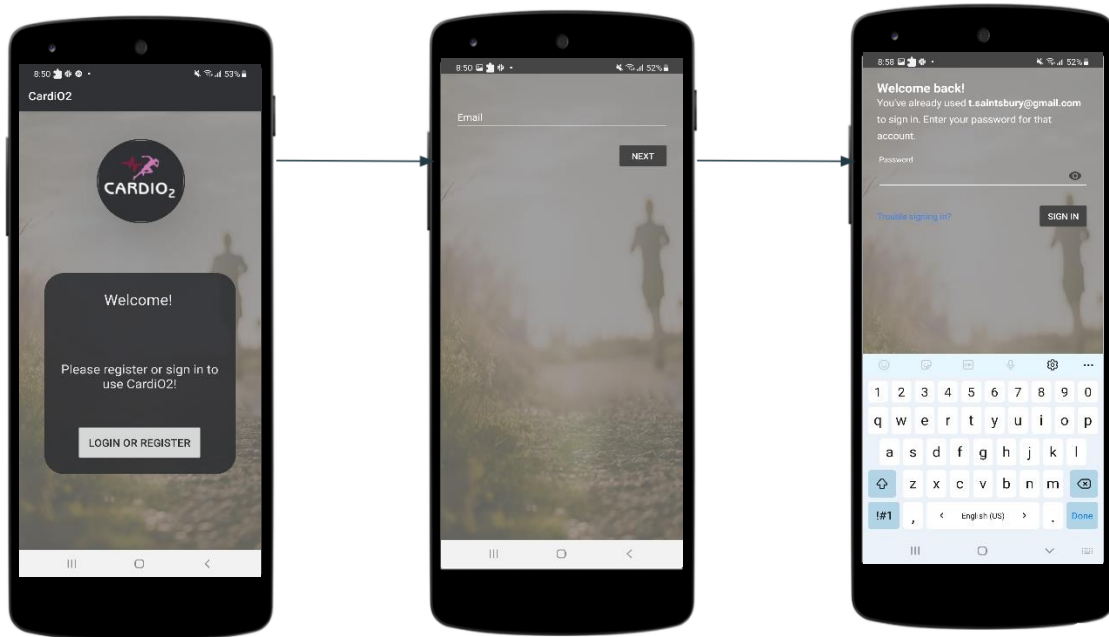


4. Open the finger splint to reveal the sensor, then place your fingertip on top of it. Once properly placed, close the splint to secure it tightly to your finger.





5. Now with the device setup, go to your phone and ensure Bluetooth is turned on and connected to the device HC-05. Then you can turn on the app.
6. Once the application turns on, you will be met with the login screen where you must press the Login/Register button. This button leads you the next screen where you either enter a new email if making a new account, or the email of your pre-existing account and press the next button. Lastly, you are asked to enter your password to sign in and bring you to the main screen.



7. Finally, once in the main screen your average heart rate in BPM and blood oxygen % will immediately begin being displayed. Toggle the start button which will turn to on and start displaying animations. When time to finish saving measurements, simply press the toggle on button again to stop. Now just press the data button to reveal the data line graph, with BPM in red blood oxygen in green, along with list of all saved measurements represented by their date/time.

