Avband

Simulated Participant Cueing Device

USER MANUAL
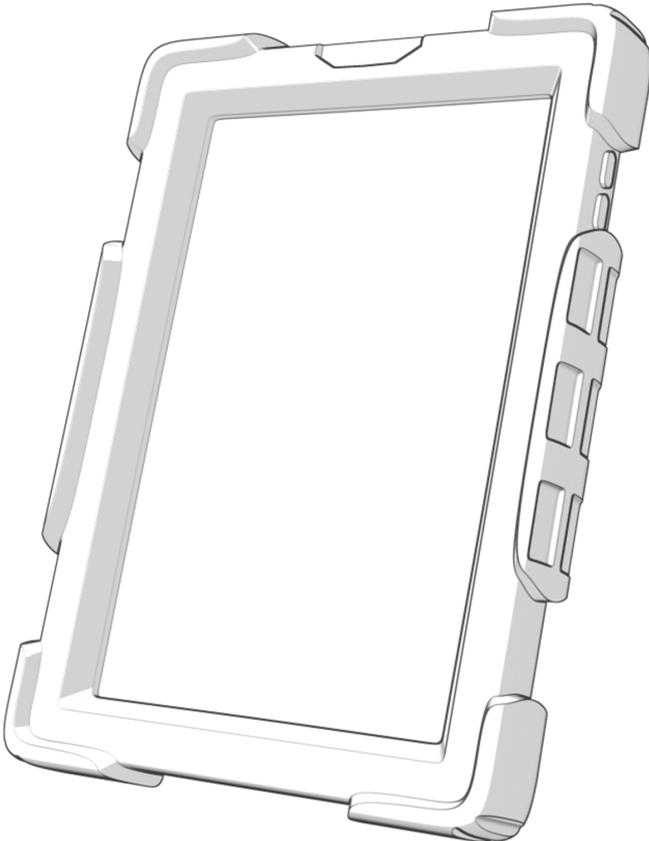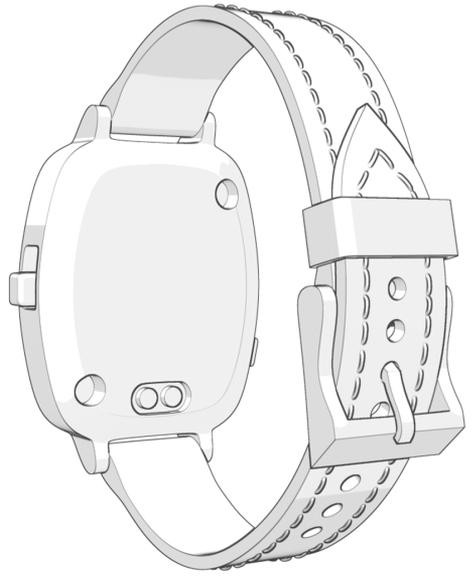
Customer Assistance
302-562-2110

Technical Support
302-562-2040

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WELCOME TO YOUR NEW AVBAND!

CONNECTIVITY

Easily syncs to the Avkin app for ease of control and personalization to the learning objectives

CUSTOMIZABLE

Adaptable for any simulation utilizing Avkin products or psych-based simulations

SAFETY

With safety at the forefront, the incorporated panic button gives the Simulated Participant full control of the simulation

INTERACTIVE FEEDBACK

Improved communication with colored LEDs and vibrations offer discreet cues for the learner to different focus points in the simulation
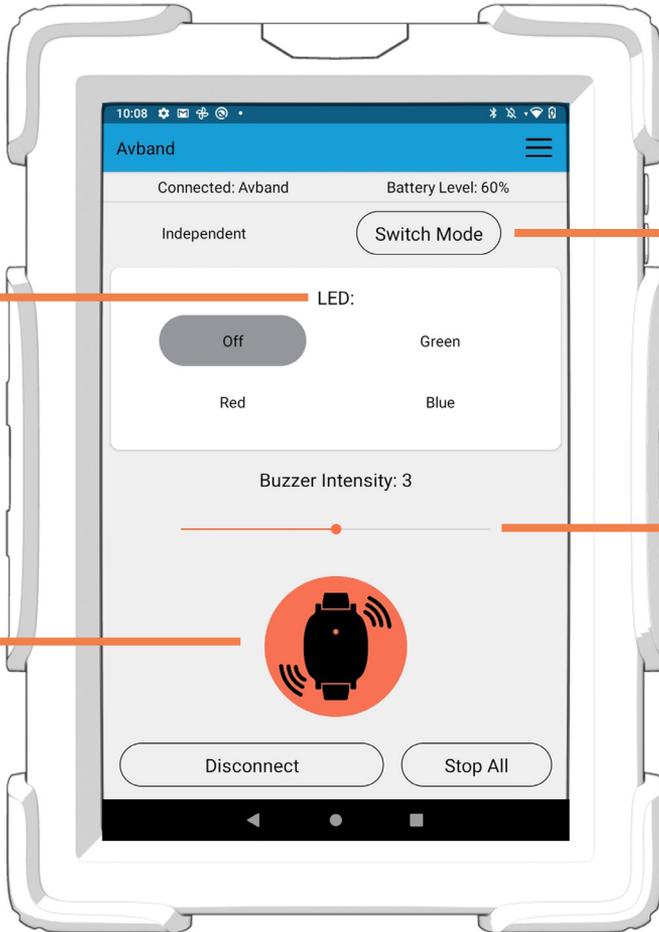
What's Included

- Avband: a wearable, customizable tool that enhances the flow of simulations by providing the Simulated Participant (SP) with discreet cues

- Avband Charging Stand

- Android Tablet with Protective Case

- Micro USB Charging Cable (x2) and Wall Plug (x2)

- QR Code to User Manual

App Overview

Manually toggle between colored cues that stay illuminated until "Off" is selected

Switch between modes

10:08 ☼ ✉ ⊕ ⊚ ·
Avband ≡
Connected: Avband   Battery Level: 60%
Independent   Switch Mode
LED:
Off   Green
Red   Blue
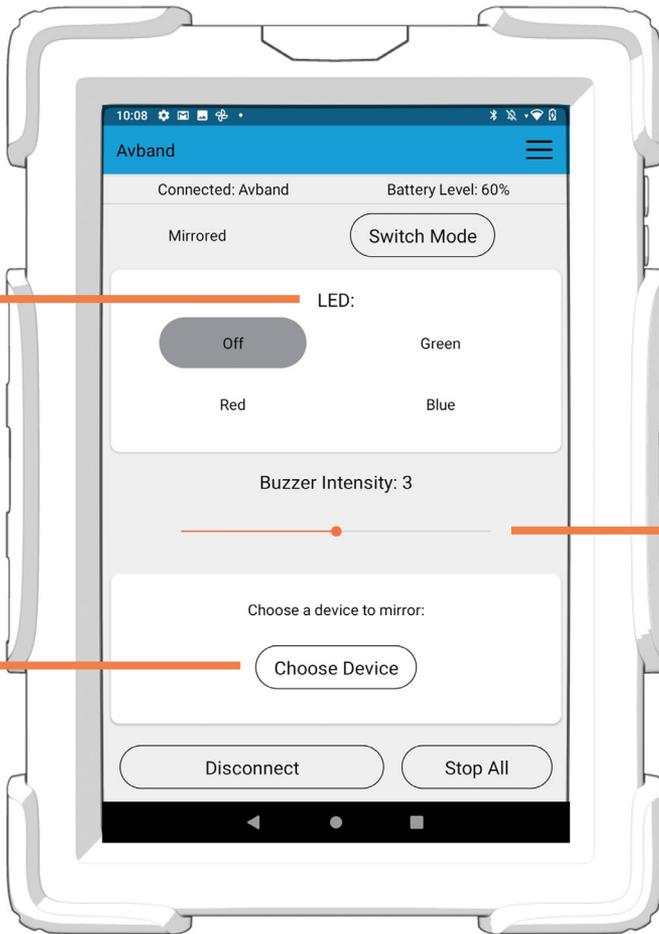Buzzer Intensity: 3
Disconnect   Stop All

Press and hold to send vibration at selected intensity

Control vibration intensity level from 1-5

4

Mirrored Mode: Full control over LEDS while mirroring vibrations from an Avkin wearable simulator*

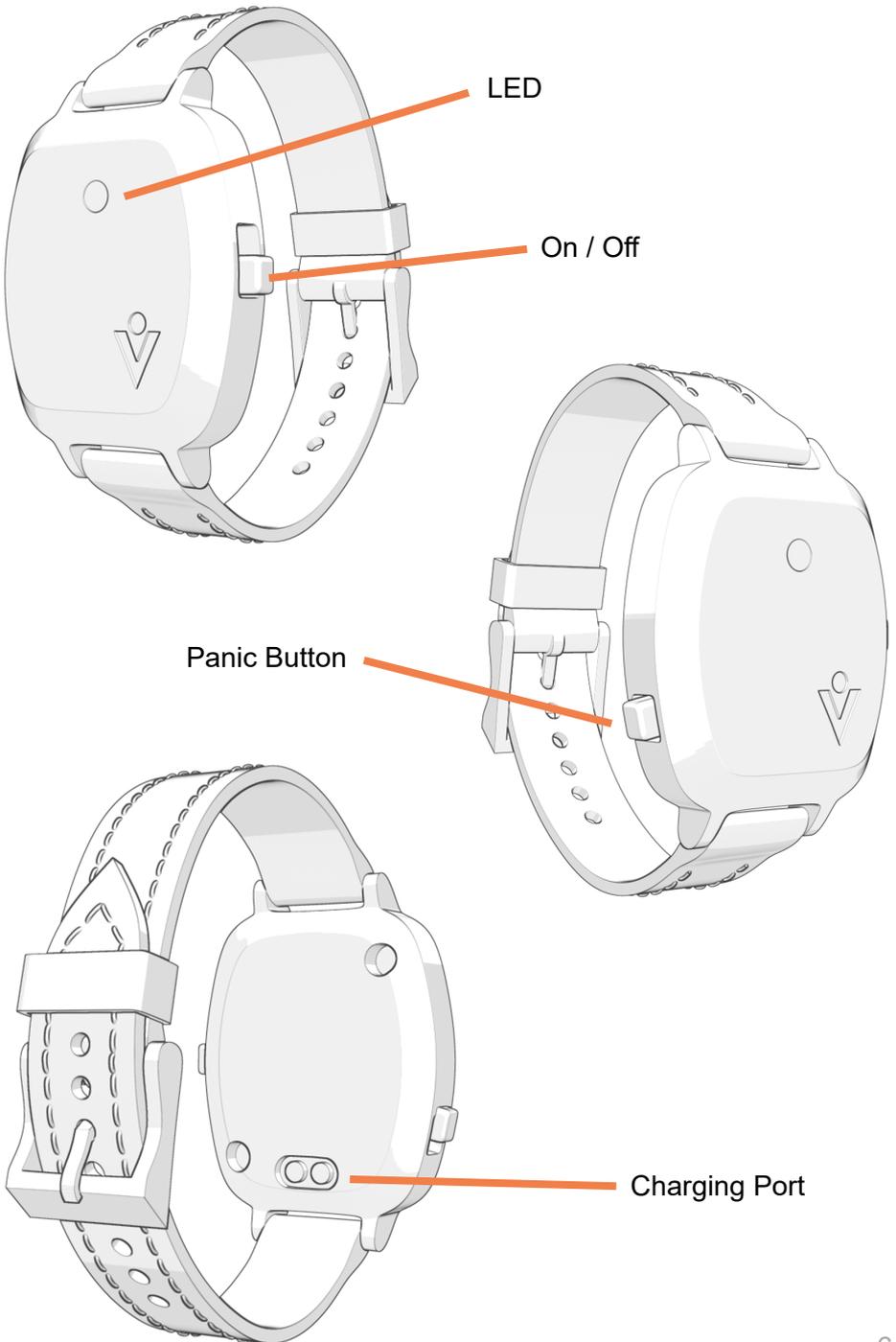Manually toggle between colored cues that stay illuminated until "Off" is selected

Choose a device to mirror vibrations

Control vibration intensity level from 1-5

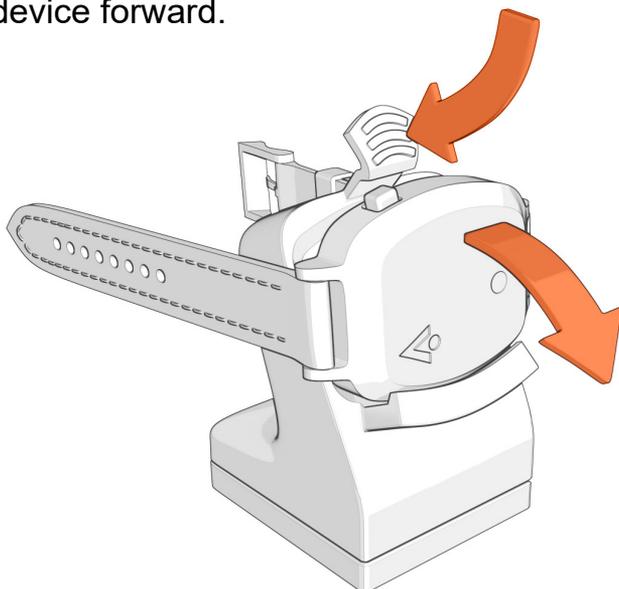*Excludes Avtone, Avcath, Avstick, & other Avbands

Avband Overview

LED

On / Off

Panic Button

Charging Port

GETTING STARTED

Watch the instructional video on the Avkin website.

1   Launch the "Avkin" app on your included Android tablet.

2   Remove the Avband from the charging stand by lightly pressing on the top tab and hinging the device forward.

3 Turn on the Avband by sliding the switch into the lower position. When turned on, the Avband LED will flash green.
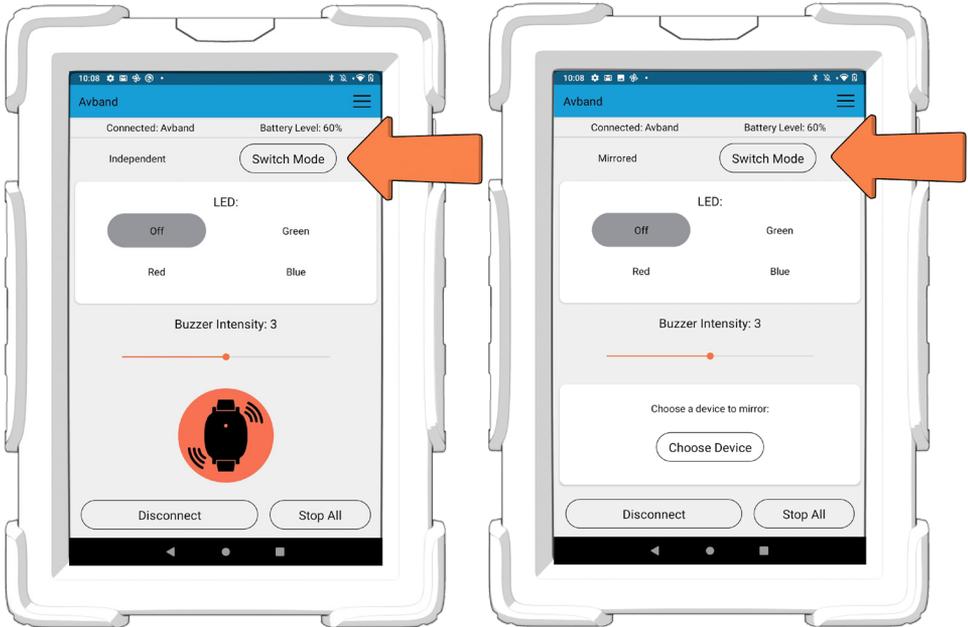
4 Connect to the Avband through the Avkin app. When successfully connected, the Avband LED will flash blue.
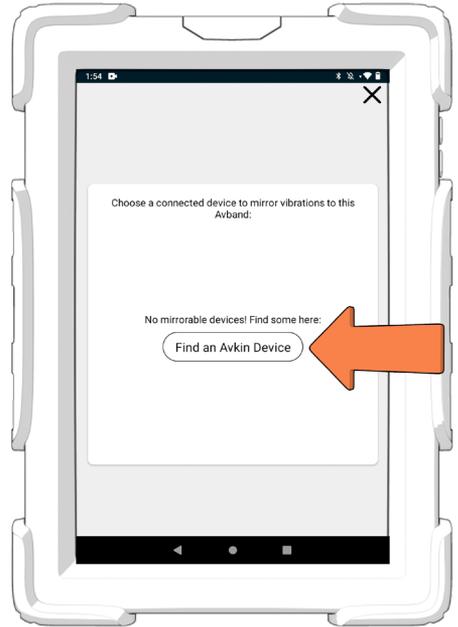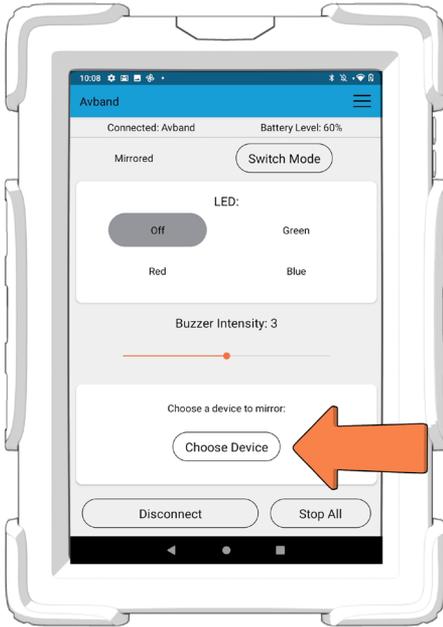
5 In the app, select either Independent or Mirrored Mode. Independent Mode allows full control over LED and vibration signals sent to the Avband. Mirrored Mode allows full control over LED signals while mirroring vibration signals from an Avkin wearable simulator (excluding Avtone, Avcath, Avstick, and other Avbands).
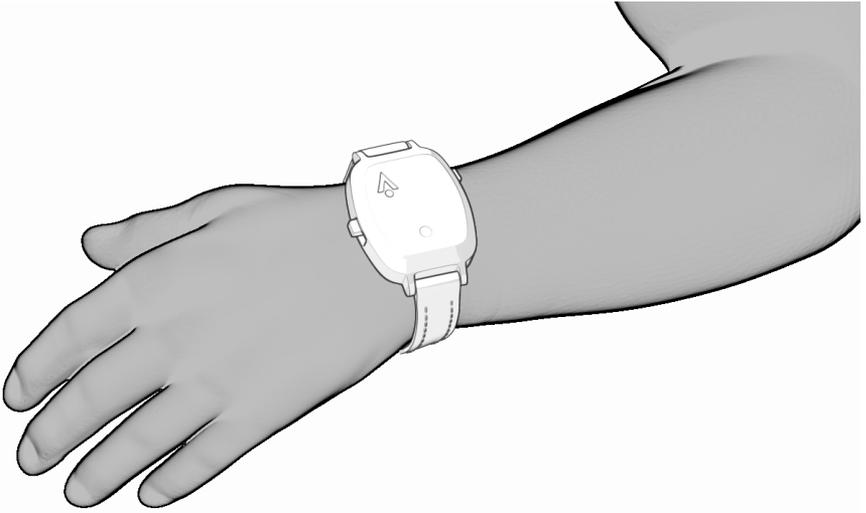
6 **Mirrored Mode:** to connect a device to mirror, first make sure the device is turned on. Click "Choose Device". If no devices are connected, select "Find an Avkin Device". Click on the blue tile of the device you want to mirror, and then press "Start".
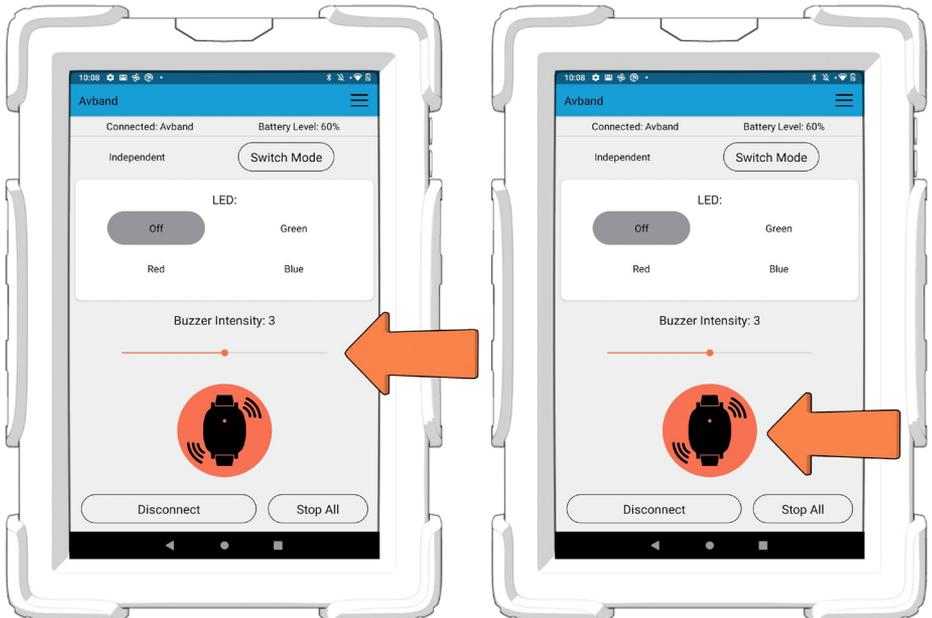
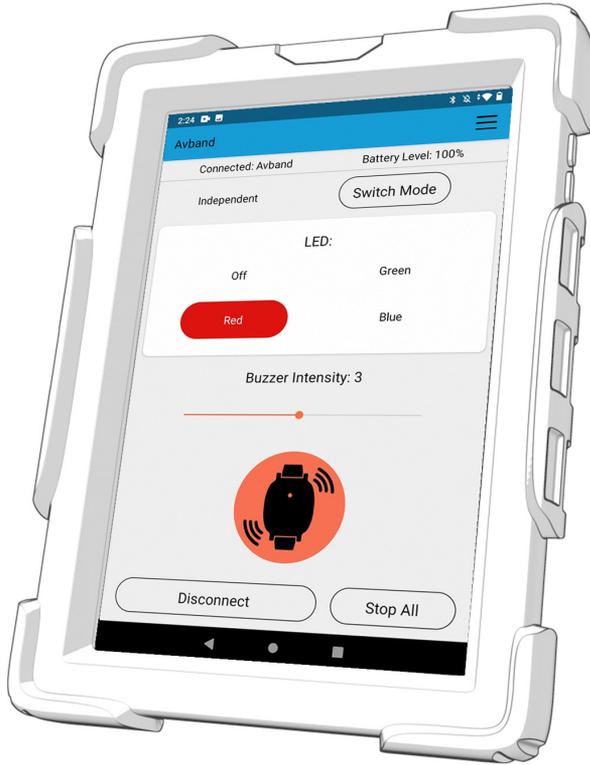**7**   Ask the SP to put the Avband around their wrist.

8   Before starting a simulation, make sure to choose a buzzer intensity that best suits the simulation, as well as the personal preference of the SP wearing the Avband. Use the slider to change the intensity, and then press and hold the big orange circle to send a vibration.
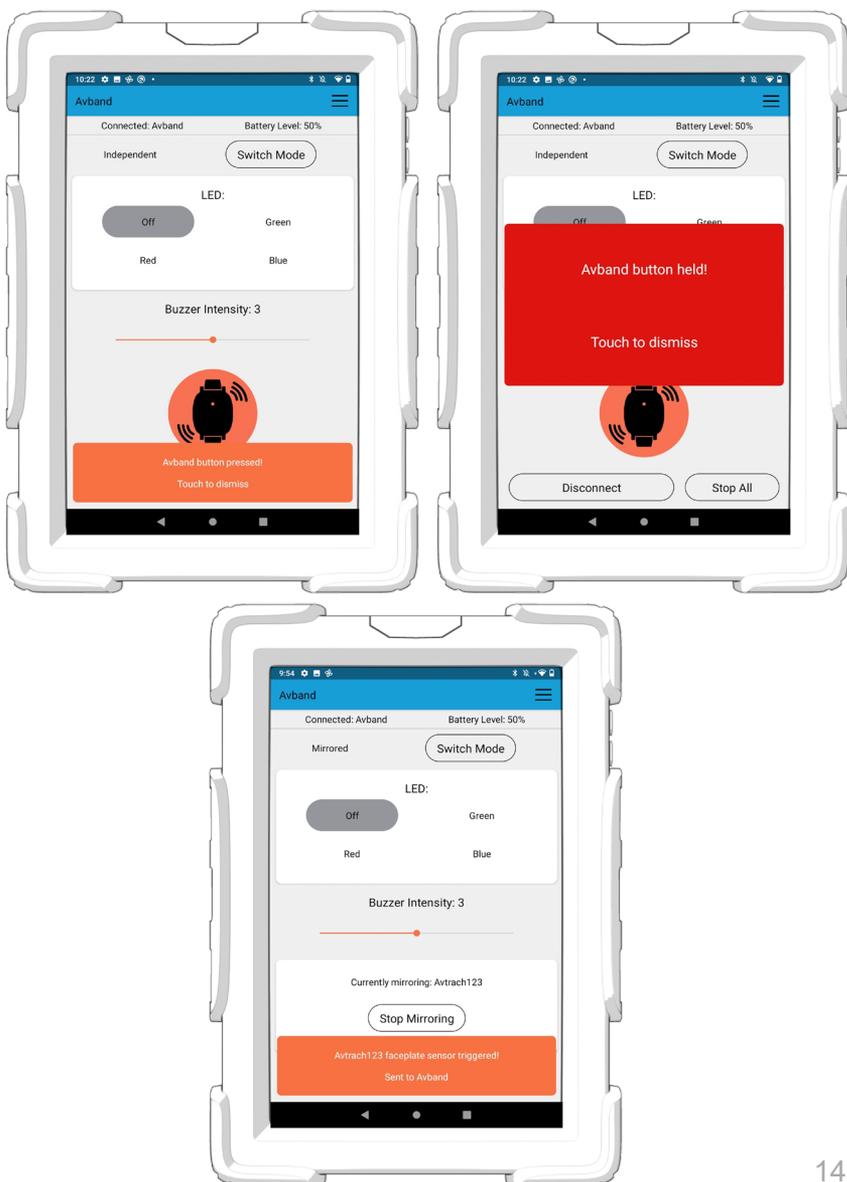
9 Test the LED by selecting a color. The corresponding color will appear on the Avband. The LED will stay illuminated until pressing another color or "Off".

10 In the app, you can send LED and vibration signals to the Avband. The app will also receive notifications if the Avband panic button (orange button on the side) is pressed or held, or if a sensor is triggered in another Avkin wearable simulator that is being mirrored by the Avband. Tap to dismiss the notification.

11 IMPORTANT

The Avkin app must be operating in the foreground to receive information and notifications from the Avband panic button, as well as other Avkin wearable simulators.
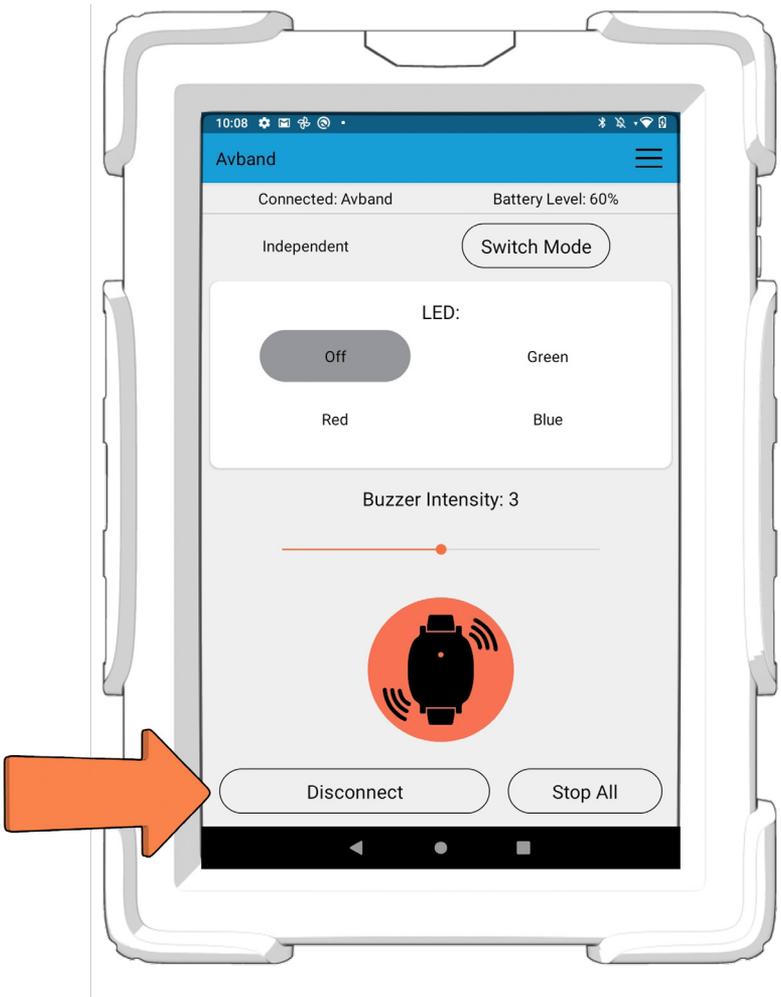
Do not navigate away from the Avkin app during a simulation, or all notifications (such as those listed in #10) will be suspended.

The tablet is preset so that it will not go to sleep while using the Avkin app. Do not press the tablet's lock button, as this will also suspend notifications.

SHUTTING DOWN

1 In the Avkin app, disconnect from the Avband.

2 Ask the SP to remove the Avband from their wrist.

3 Turn off the Avband by sliding the switch into the upper position.

If the Avband has been disconnected for 2 minutes without being turned off, the device will begin vibrating and flashing blue as a reminder to return the device and turn it off
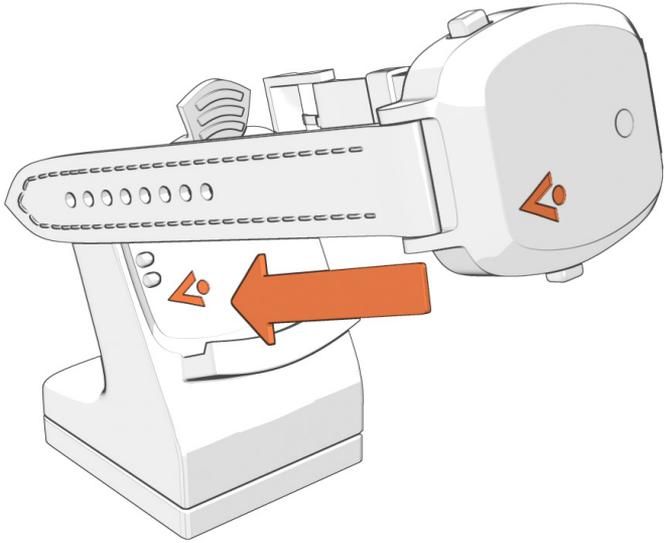
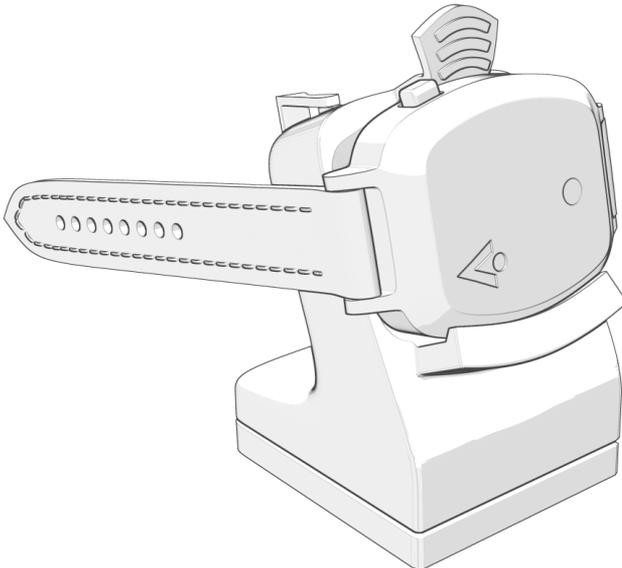**4** Clean the Avband using a sanitizing wipe on all outer surfaces and bands.

Charging

1 Orient the Avband by lining up the charging ports or matching the orientation of the orange Avkin logo found on both the charging stand and the Avband.
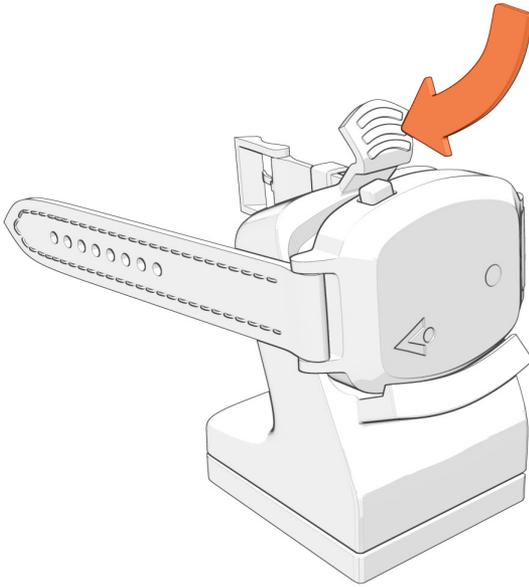
2 Insert the bottom of the Avband into the charging stand so that the sliding On / Off switch is hidden.
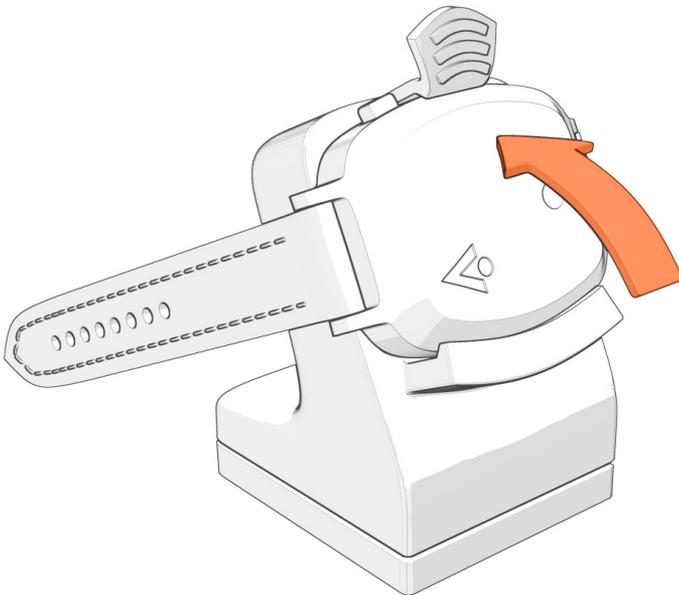
3 Apply light pressure to the top tab.
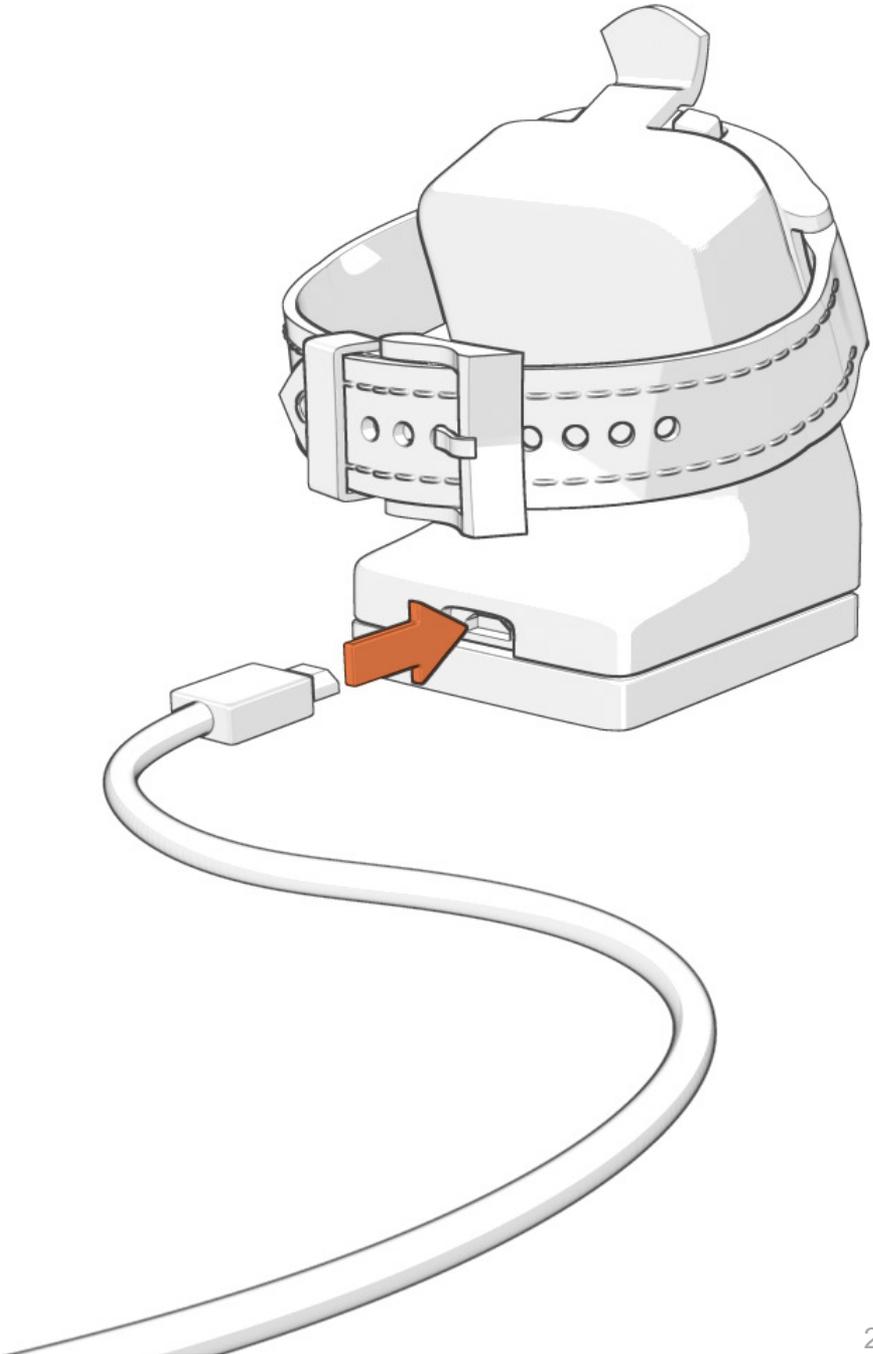

4 Snap the Avband into place by pressing on the front face of the device.

The Avband requires minimal force to connect to the charging stand. If the Avband does not connect easily, double check that it is oriented correctly!

5 Plug a Micro USB cord into the port on the back of the charging stand and then plug into a wall outlet.
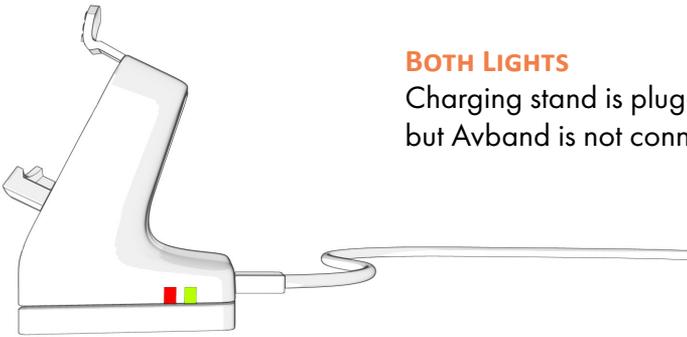
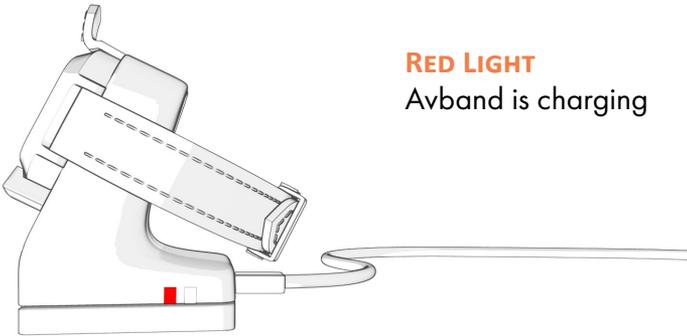**6** Look at the lights on the side of the charging stand for a charging indication.

NO LIGHTS
Charging stand is not plugged in

BOTH LIGHTS
Charging stand is plugged in, but Avband is not connected
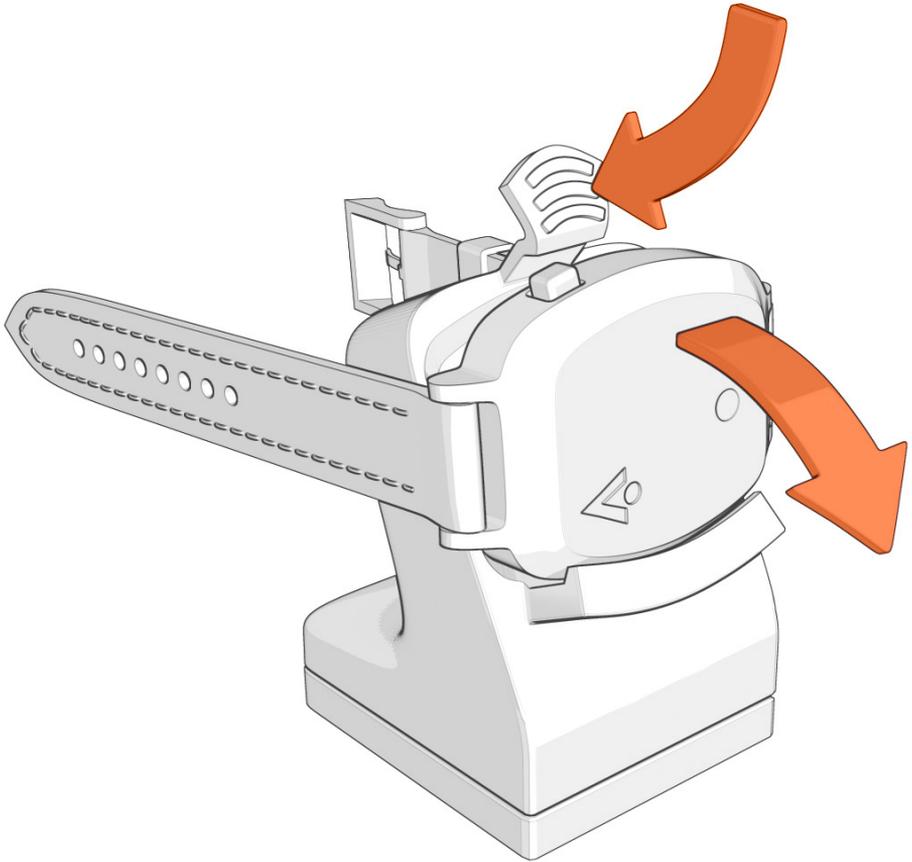
RED LIGHT
Avband is charging

GREEN LIGHT
Avband is fully charged

7 Remove the Avband from the charging stand by lightly pressing on the top tab and hinging the device forward.

Tips and Tricks

1 Before starting a simulation, make sure to choose a vibration intensity that best suits the simulation, as well as the personal preference of the SP wearing the Avband.

2 To easily identify which Avband you are connected to, go to the "Connected Devices" tab. Press and hold the tile showing the Avband name, and then click "Identify Avband". The Avband LED will flash a rainbow light sequence. From this pop-up you can also get device info and give each Avband a nickname. Nicknames are stored locally on the tablet and will not show up on other devices.

3 In the Avband settings menu you can change which 3 LED colors will be used, set labels for each color, and configure vibrations for signals sent to and from the Avband. Do not change these settings during a simulation, as it could become confusing for the SP.

4 When choosing which 3 LED colors to use in a simulation, make them as distinctly different as possible. Avkin does not recommend using these color combinations in the same simulation: yellow + green, aqua + green, red + purple

5 If the Avband is not charging (red and green lights both illuminated), but it appears to be connected correctly, attempt to wiggle the device slightly and push on the front face until the device snaps into place and only one light is illuminated.

Avband Battery Safety Guidelines

The Avband contains a rechargeable 3.7/4.2V Lithium Ion Polymer Battery that could cause injury if mishandled. Follow the proper handling procedures for the Avband and the Avband charger:

- Do not charge the Avband with any other charger than the one that came with it - Do not charge or use unattended
- When charging, keep away any flammable or conductive materials (ex: textiles, paper, metal, etc.)
- Do not disassemble the Avband
- Do not puncture the Avband
- Do not immerse the Avband in water or other liquids
- Do not expose the Avband to:
    - Extremely cold temperatures (below freezing, 32 deg F)
    - Extremely hot temperatures (above 130 deg F)
    - Direct sunlight
    - Hot vehicles
- Do not expose the Avband to mechanical impact (ex: throwing, dropping, etc.) - Do not use the Avband if it is damaged
- Store the Avband in a cool, dry place
- Keep the Avband away from children
- Refer to FAA guidelines for airplane transportation of devices with installed lithium batteries:
    - Turn the Avband completely off (power switch on the side)
    - Protect it from accidental power-on
    - Pack it to cushion it from damage

Avband is provided by:

www.avkin.com