

Glasses that protect the user from strobing lights.

people have photosensitive epilepsy

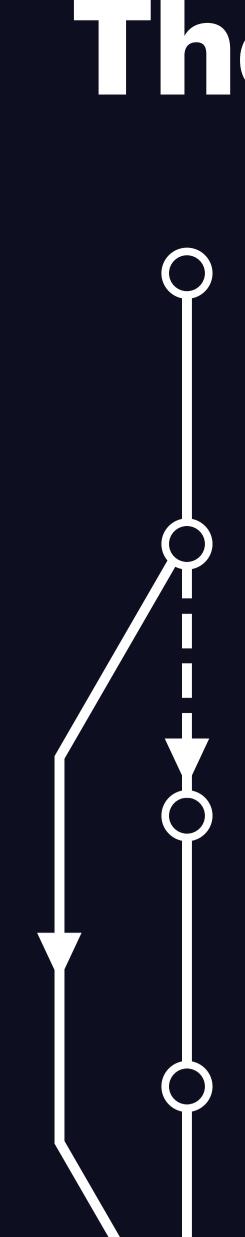
where flashing patterns of light and dark induce a seizure.

Our glasses aim to give independence, comfort and confidence back to our users, by shielding them from harmful lights.





The Experience



fast and bright enough to cause a seizure.

Trigger

Total Eclipse Engages

The glasses detect the flashing light and enter Blackout

The user is placed in a situation where a flashing light is



User Wants to Escape

Mode in 44ms, fully darkening.

The trigger continues for longer than the user is comfortable with.



Engages Partial Eclipse

mode, which allows the user to see while not being exposed to flashing lights. **Back to Normal Glasses**

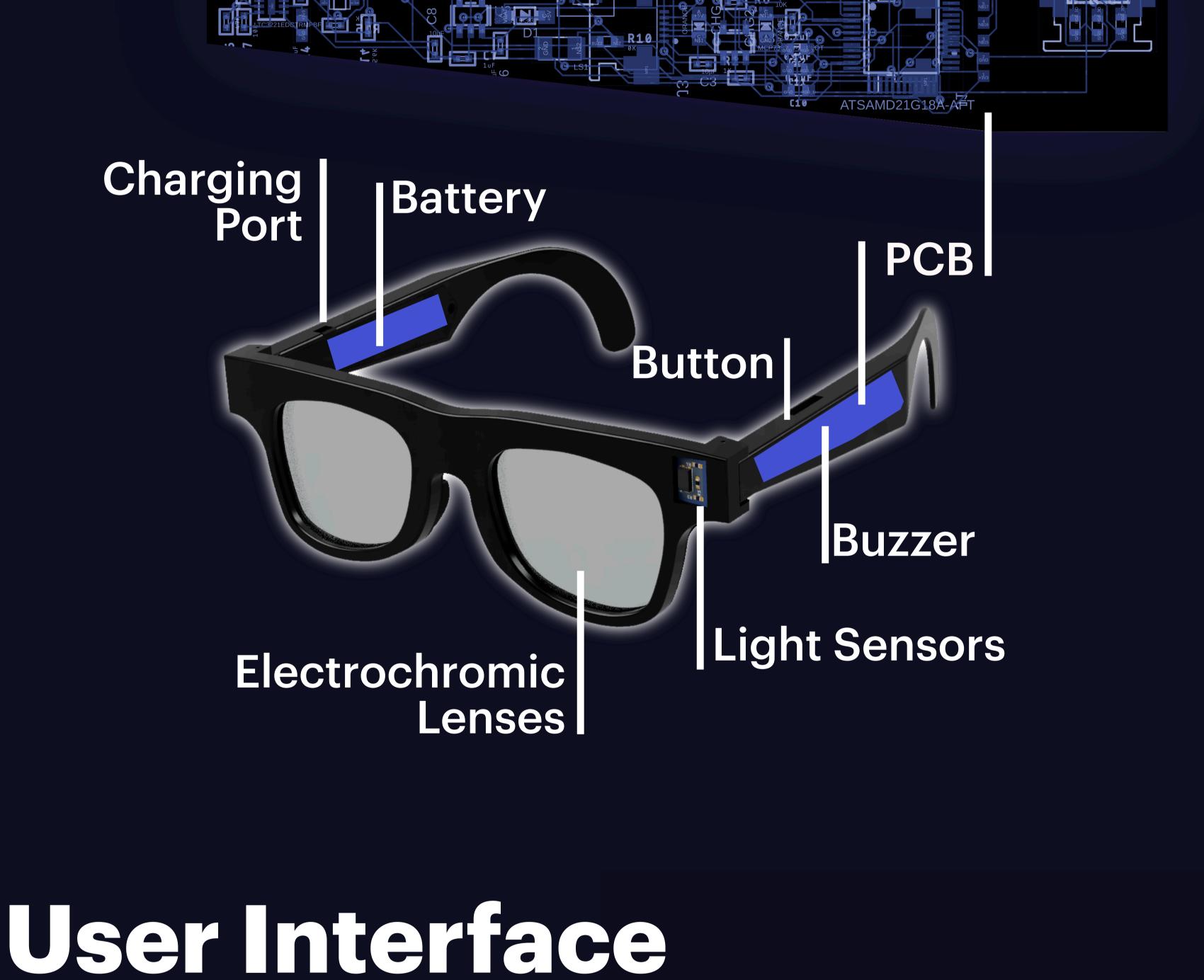
The lenses will return to clear a couple of seconds after the

By holding down the button, the glasses enter Safe-Sight



Hardware

environment is safe.



Battery Indication Lights Two LEDs on the inner left temple indicate

An accessible charging port directly on the

when the glasses are charging, have less

than 2 hours left, or less than 1 hour left. **Battery Buzzer**

minutes left.

Charging Port

right temple of the glasses.

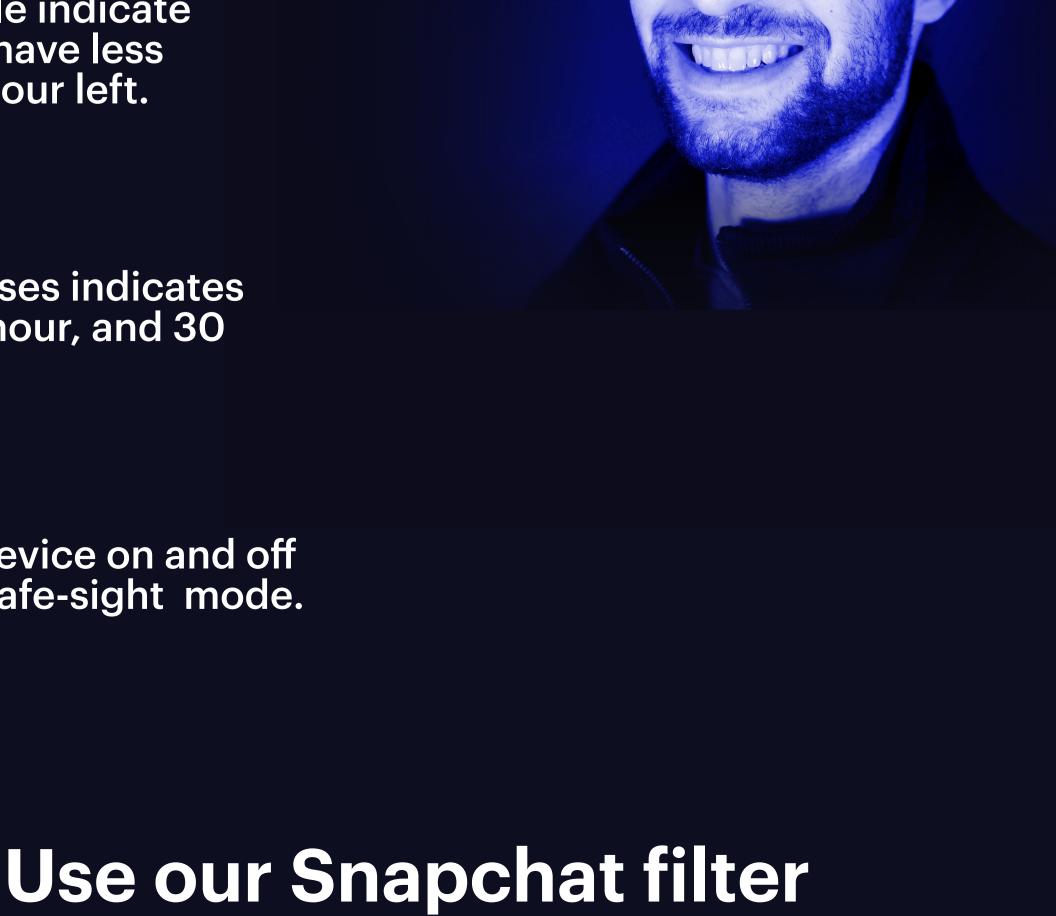
Control Button

Easy-touch button powers the device on and off

and allows the user to activate safe-sight mode.

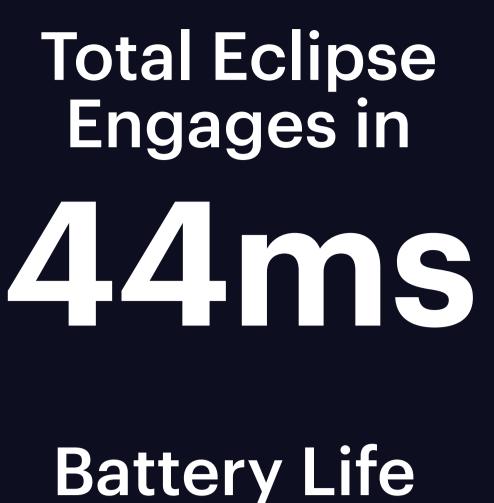
A buzzer in the frame of the glasses indicates

when the battery has 2 hours, 1 hour, and 30



to wear our glasses!

Specifications



8hrs

Faster than it takes to blink

Contact us at: 2009blue@mit.edu Thankyou

Daniel Goldfield

Steve Banzaert

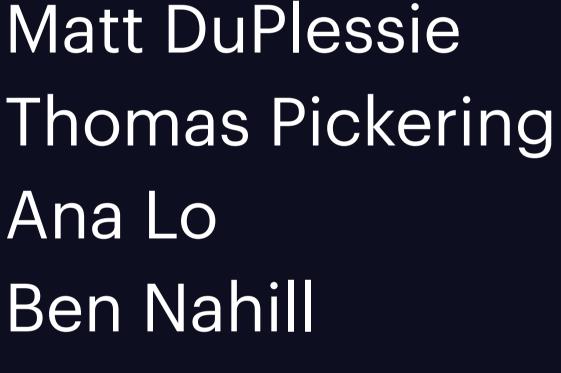
James Penn

Iryna Zahabi

3-30HZ

Range of sensor

detection



Deron Brown

David Wallace

John Brisson

Mark Donne

Our Interviewees & Research Support

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Blue Team

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