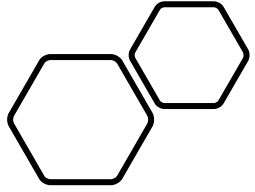


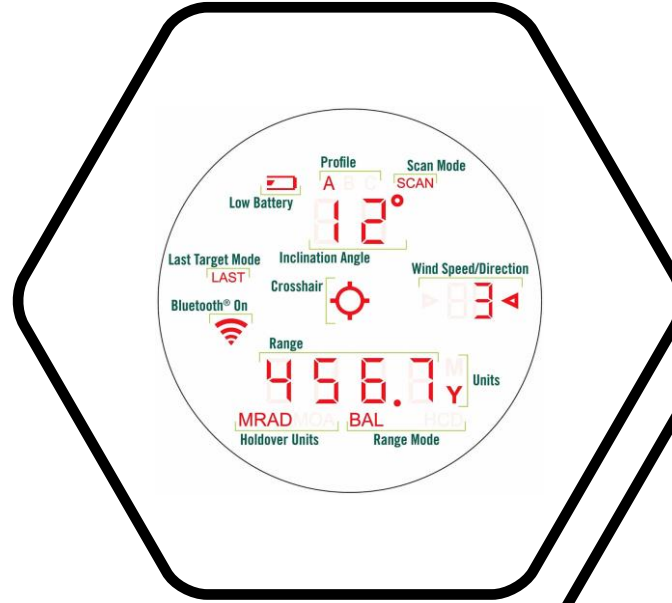
Jacob Powell

Vortex Fury HD



Application Description

- Vortex Fury HD is a cross platform mobile application that allows users to sync the Vortex Optics Fury HD 5000 AB via a Bluetooth connection.



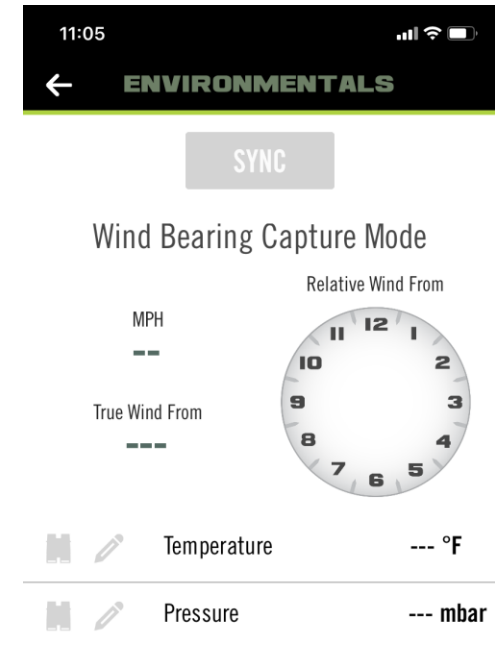
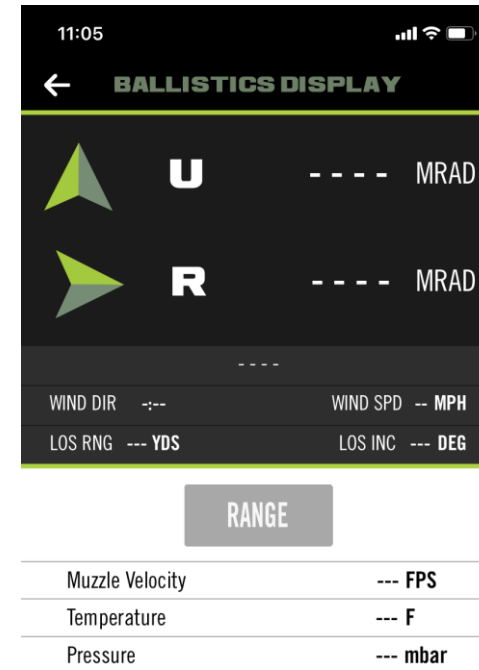
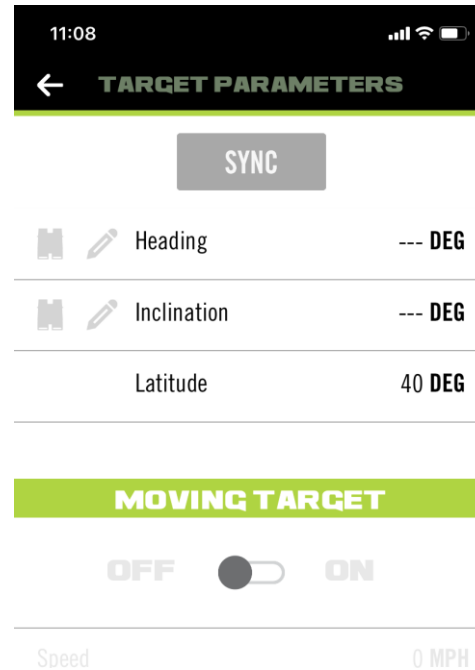
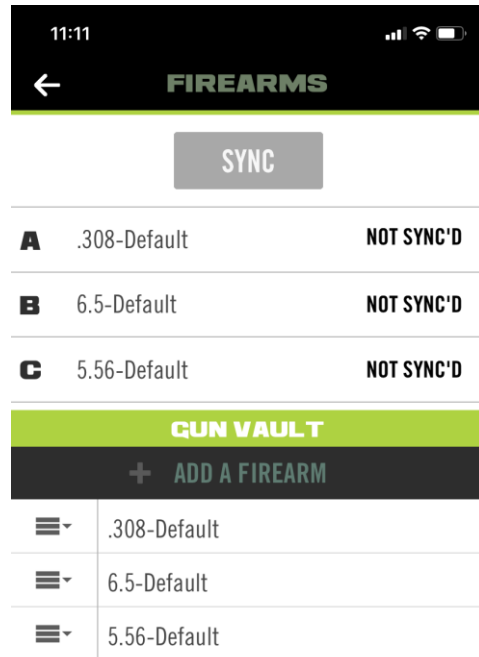
Application Overview



FIREARMS

ENVIRONMENTALS

BALLISTICS DISPLAY



11:07

←

EDIT FIREARM

CAL SAVE

PROFILE

New Profile

SET AS

A B C

Bullet Data

LIBRARY

Bullet Diameter

0.308 IN

Bullet Weight

175 GR

Bullet Length

1.240 IN

Ballistic Coeff

0.475 G1

FIREARM DATA

Muzzle Velocity

2600 FPS

Zero Range

100 Yds

Sight Height

1.75 IN

Zero Height

0.00 IN

Zero Offset

0.00 IN

Twist Rate

1: 11.25 IN R

SSF (ELEV)

1.00

SSF (WIND)

1.00

Sight Units

MOA MIL

MV-TEMP TABLE

MV-TEMP

0 F

0 FPS

0

0

0

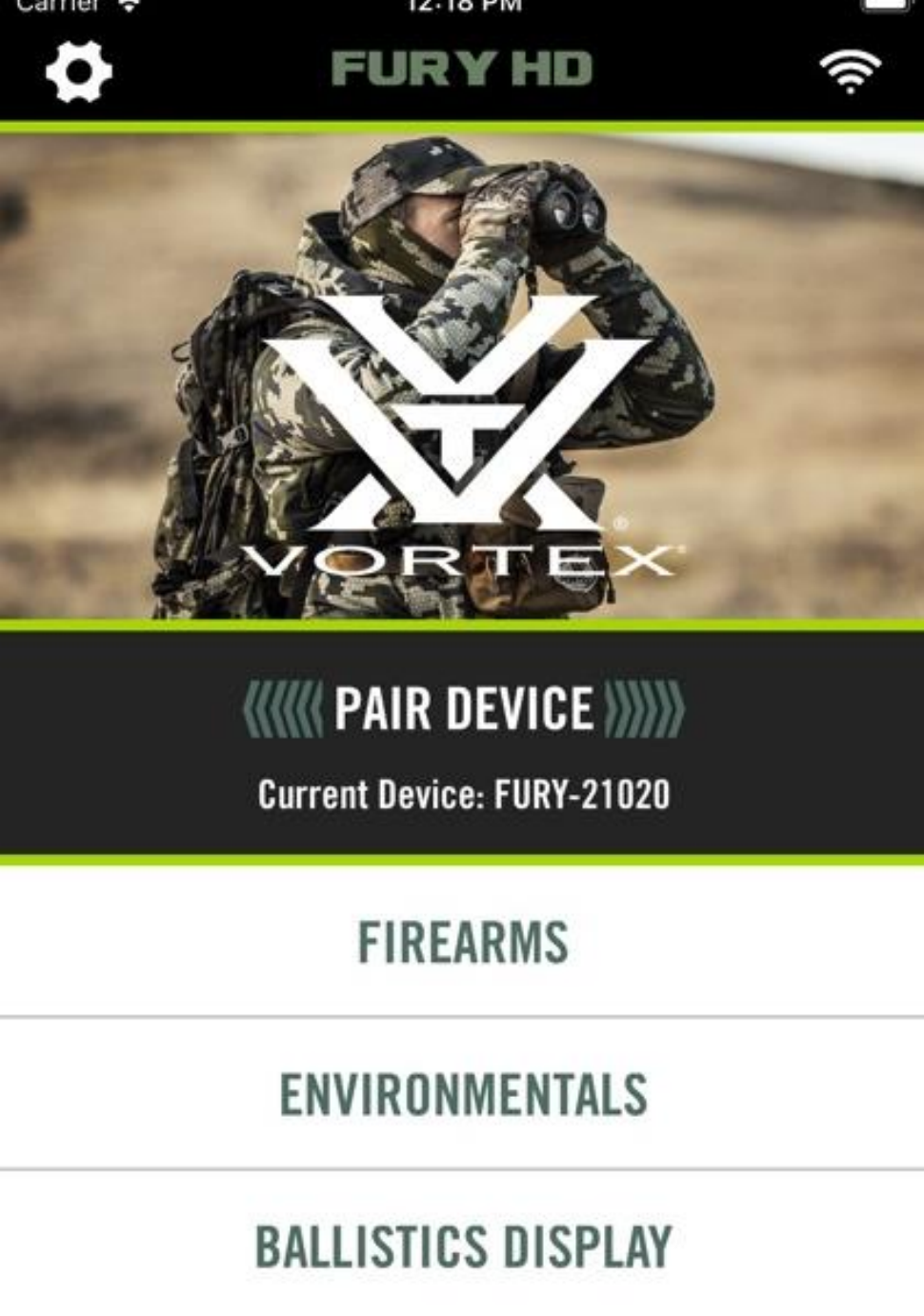
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Pros

- Save preferences while app is closed.
- High amount of customizability for users.
- Preset user preferences
- User profiles

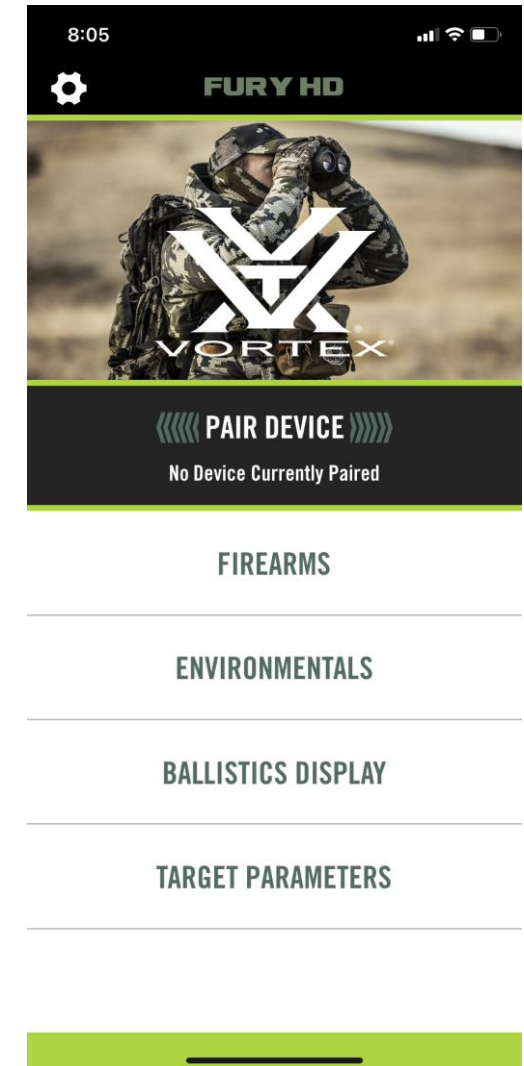
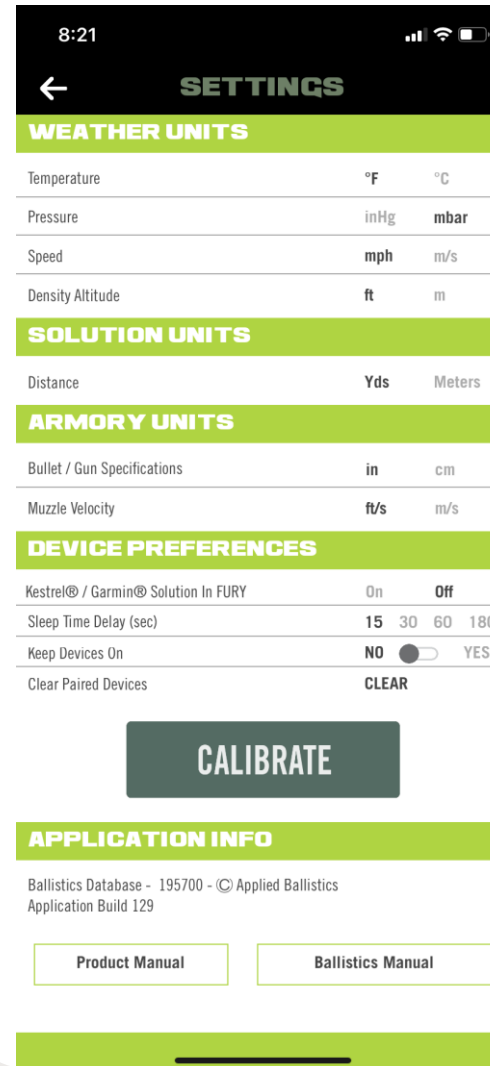


Cons

- Click listeners are confined to the text of the buttons in the app.
- App not letting the user know if the calibration has been saved
- Connection is severed is app closes or screen shuts off.
- Doesn't ignore dark mode in application pop ups.

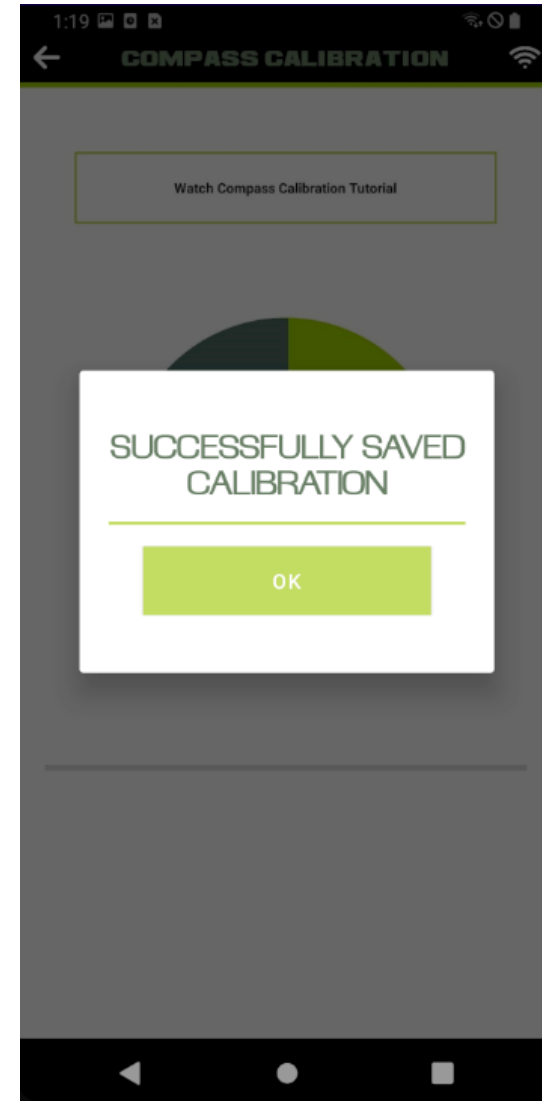
Button changes

Create larger ranges for the click listeners.



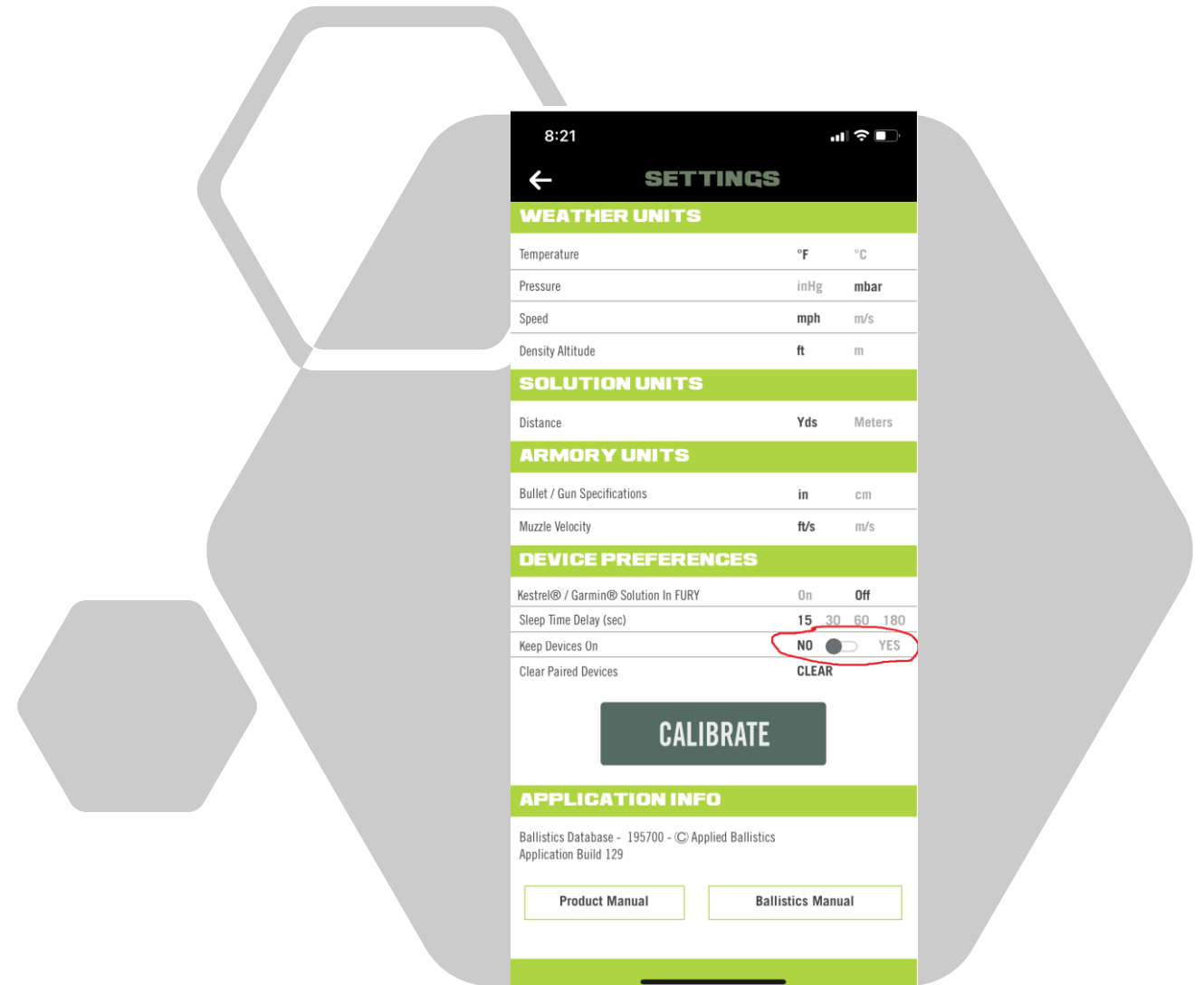
Calibration Settings

- Have binoculars ping the Fury application when the calibration is successfully saved.
- Saves potential time during recalibration



Connection Changes

- Set keep devices on to yes as a default on first time set up of the application.



Dark Mode Changes

- Set application to ignore dark mode.
- How to:

Android/Kotlin: `AppCompatActivity.setDefaultNightMode(AppCompatActivity.MODE_NIGHT_NO);`

iOS/Swift:

```
// Always adopt a light interface style.  
overrideUserInterfaceStyle = .light
```

