

Vakaros Atlas 2 User Guide

Complete User Guide — support.vakaros.com

May 2026

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-



Atlas 2 Overview

Atlas 2 Overview



image

Power

Press and hold the Power button to turn the Atlas on or off. You'll hear a power-on sound and the LEDs progress as the Atlas 2 wakes up. To turn the Atlas off, press and hold the power button until you hear a shutdown sound and see the display go blank. While on, a short tap on the power button brings up the about device screen, tapping it again to return to the previous screen.

Speaking of power; to charge the Atlas 2, simply place it on any Qi charger. Placing the Atlas 2 on the pad automatically starts the charging process; you'll see a battery icon and a percent of charge displayed. If you don't see anything on the screen that's OK, it simply means that your Atlas 2 is 90-100% charged! It is recommended to charge your Atlas to full capacity at least once every 3 months.

Display & Buttons

The info bar displays device information like Battery Level and Current Time. If the time is not showing, it simply means that the GPS/GNSS module has not yet found enough satellites. Usually taking just seconds, that process might take a few minutes if the device doesn't have a clear view of the sky, for example, while indoors. The clock also might show 24 hour GMT based-time; don't worry we can change that in settings later.

Buttons 1 - 4 are contextual and can change function based on what screen is being displayed. The button bar displays the current functions of each of the 4 buttons. The default and most common functions are: LINE, ANGLE, RESET, and START. LINE is used to set the starting marks (see Line Menu, below). ANGLE is used to set and view reference angles for tracking shifts, RESET and START control the start timer. There is often a BACK button to allow you to return directly to the previous screen.

The Home button is very important; it allows you to return to the home screen from any menu and is used to cycle through your configured layouts.



Primary Sailing Screens

Primary Sailing Screens



image

Pressing the home button at the bottom of the Atlas will cycle through all of the different screens currently set up on your Atlas. Each screen is populated by widgets, which display different kinds of data. A few of the default screens that ship with the Atlas 2 are shown above. Using Vakaros Connect, you can add screens and change the existing ones to best suit your needs.

The default main screen, also designated the ‘home’ screen, has 4 widgets: Heading, Speed, Heel, and Trim. The heading widget includes a shift tracking display, with a lift/header indicator in degrees and a trend graph, both determined relative to the current reference angles - see Angle menu below. The speed widget shows current speed in knots, as well as the max and 10 second average. The heel and trim displays show the current value in degrees and consistency bars, measuring how steady the boat has been in heel and trim. We suggest that you use this default home screen for your first few sails until you get a feel for the capabilities of the Atlas 2.

Note that via the Customizable UI feature ANY screen can be designated the ‘home’ screen, which is the screen that the Atlas 2 shows at power-up, and switches to at the end of the start sequence

Line Screen - Start Line Set Up



image

Before we dive into the dedicated start screens, let's look at gathering and recording some of the key data they will need to inform a great start. The Atlas 2 is designed to help you get a great start to any race, showing a highly accurate measure of distance to line (DTL), time to line (TTL), as well as a start timer. The first thing we need to do is capture the location of the line. Begin by pressing the LINE button to record the locations of the marks which define the starting line. This brings up the Line

Screen, and dedicates buttons 1 and 2 to recording the locations of the Boat and Pin. Each time the BOAT or PIN button is pressed, the Atlas will save the current GPS coordinates as the location of that mark, replacing any previous pings.

Once both marks have been recorded, the Line Menu will show additional information about the starting line, including line length (between pings) and perpendicular heading. Line bias and advantage information is displayed if shift tracking reference angles have been set, see below. Exit the Line Screen by pressing the Back button or the Home button. Once the starting marks have been recorded, the Atlas 2 automatically displays DTL on the starting screen, measured in meters. DTL can be calculated with a bow offset, a key feature if your Atlas 2 is mounted on the mast. By setting this value in the Connect app, it allows you to 'ping' the line by simply sighting down the mast, and the Atlas 2 continuously calculates the distance from the line to the bow, no matter the orientation of the boat.

To start the countdown timer, press Start. The timer will start counting down from the default value set in the Connect app for the current profile. Minutes can be added to the timer using the +1 button. The Start button becomes Sync while the timer is running, syncing DOWN to the next whole minute. Under 1 minute to go, and the Sync button syncs UP to 1 minute. Pressing Reset will stop the countdown timer and reset it to the default value.

After the countdown timer reaches zero, the Atlas will automatically change to the home screen. The timer will continue counting up in the background, until the End button is pressed.

It is a good idea to press the End button at the finish. Along with the starting line, both the start and end of the race are recorded in the data log. As long as you remember to press End, this will save you from manually determining them later.

Graphical Starting Screen



image

Along with the numerical starting screen, your Atlas 2 possesses a graphical starting screen that shows a representation of your boat relative to the starting line in real time. First introduced on the original Atlas, we've taken it to the next level with the introduction of the LEDs on the Atlas 2 which can show a range of starting information. Starting is a busy time, and we want you to be able to choose the data YOU want to see to nail that start. Using the Customizable UI feature, you can choose which

starting screen (numerical or graphical) is the primary or default starting screen. We have put together a demo video for demonstration.

[Vakaros Atlas Time-To-Line demo video](#) [Vakaros](#)



thumbnail-image

Angle Menu - Shift Tracking and Reference Angles



image

To set up shift tracking on the Atlas, press the ANGLE button to bring up the ANGLE Menu. There are two options for setting port and starboard reference angles, an automatic method and a manual method:

1. Automatic Method

Start automatic reference angle capture by pressing the AUTO button on the ANGLE menu. The Atlas will walk you through sailing a short upwind leg, recording data while you sail and determining your reference angles automatically. Follow the on-screen prompts, and in about a minute, you'll be all set to track shifts. In most conditions, this method will provide the best results, as it minimizes the impact of small oscillations and waves, while allowing the crew to sail the boat normally, without needing to interact with the Atlas once the process is started. It also records your windward VMG in current conditions, vital data for the Time To Line and Time To Burn functions to work.

2. Manual Method

You can also set the Port and Starboard reference angles by pressing the corresponding PORT and STBD buttons on the ANGLE screen to record the current heading. Keep in mind that an instantaneous snapshot can introduce some error in the reference angles. Note that this method does NOT capture your windward VMG. We recommend checking your reference angles before every race and resetting them if necessary. The ANGLE screen also shows some additional useful information, including an estimate of the wind direction (the midpoint between the Port and Starboard reference angle), the dead downwind angle, the tacking angle and average upwind speed.



LED Display

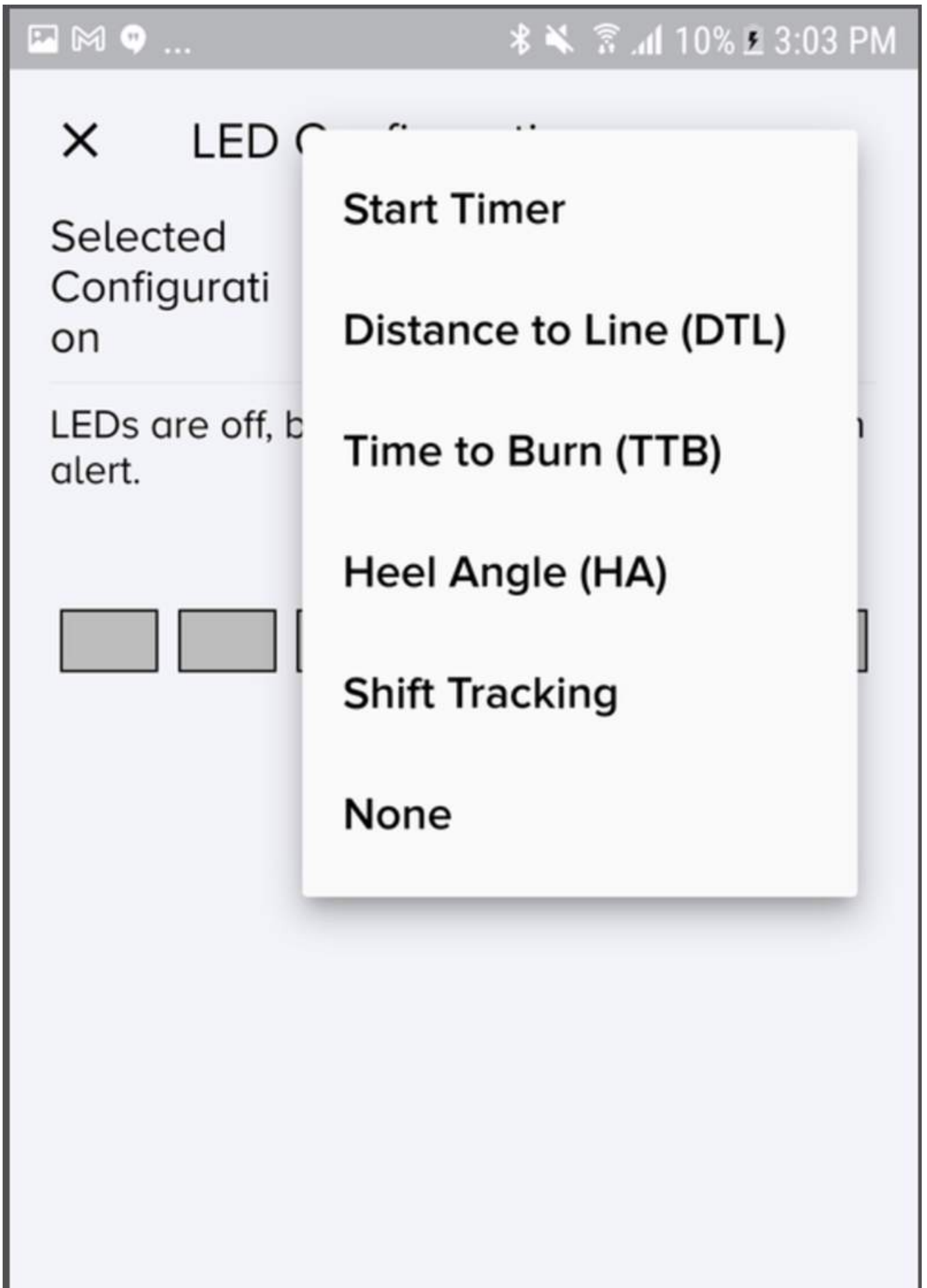
The Atlas has an innovative row of 7 RGB LEDs that can be used to display key sailing/racing data, provide alerts, and also inform on RaceSense status. The following functions are available in the current firmware, and more are being developed:

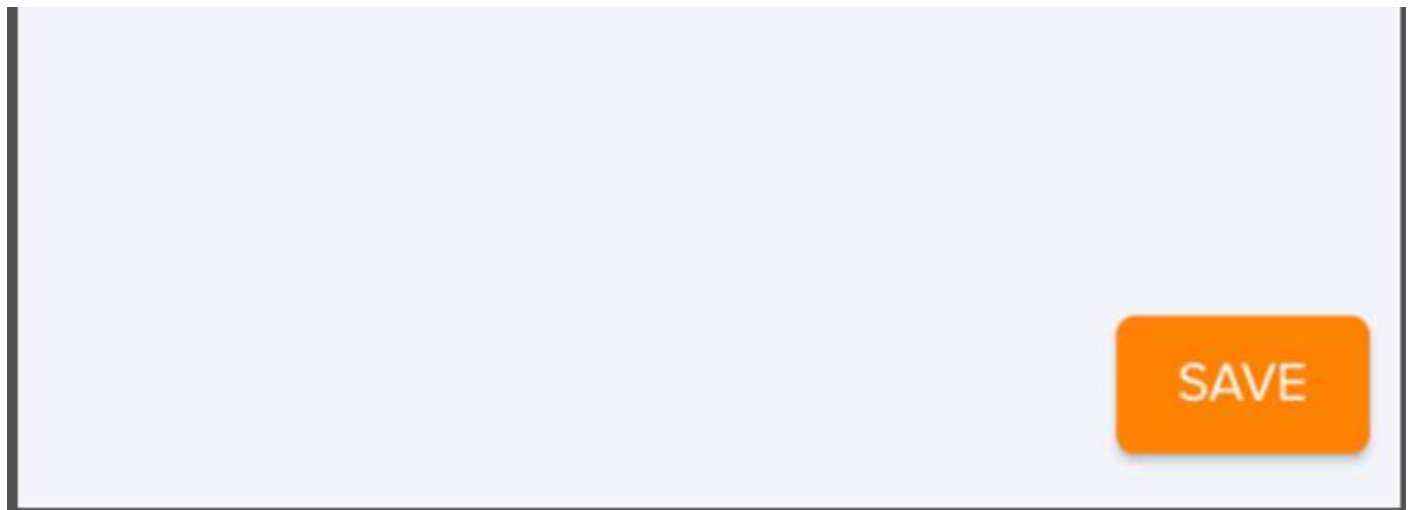
- Start Timer ● Distance to Line (DTL) ● Time To Burn (TTB) ● Heel Angle (HA) ● Shift Tracking ● None (off)

These are set as part of the Custom UI Layout configuration in the Connect app. The brightness of the LEDs can be adjusted from the LED menu (Display and Sound → LED).

To customize the LED's and which widget they are associated with go into your desired boat profile → Devices → Display Layout → Choose the screen you want the LED's customized on → Press the grey settings wheel on the top right → Configure LED's.

Here is what it looks like in Connect:





image

You can see there are currently 6 LED options. This will grow over time, and can also depend on what sensors are connected to the Atlas 2. The list is different for non-start pages, as the starting related LEDs can only appear on start pages. Once you select an option, you get a description, an animated demo, and any specific options that are available. On the Heel Angle (HA) option, you can set the min and max heel extent, allowing you to tailor this to your exact needs.

Once saved, each page can have its own LED settings. The one we just configured looks like this in action:

[Atlas 2 LED demo Vakaros](#)



thumbnail-image



Sensors

Sensors

The Atlas 2 supports wireless wind, speed-through-water and depth sensors, and load cell sensors - with more sensor support in development. The Atlas 2 can currently connect to a total of 3 sensors at a time.

Currently supported sensors:

Sensor	Supported data channels	Power source
Airmar DST810	Speed-through-water, depth, water temperature	External 12 V
Airmar DX900+	Speed-through-water, depth, water temperature	External 12 V
Calypso Ultrasonic Solar	Apparent wind speed and angle, true wind speed, angle, and direction (coming soon)	Solar cell
Calypso Ultrasonic Mini	Apparent wind speed and angle, true wind speed, angle, and direction (coming soon)	Internal battery, rechargeable

image



icon

These sensors are available from Vakaros: <https://vakaros.com/collections/all>

[Sail22 power for DST810 for Vakaros Sail22 LLC](#)



thumbnail-image

Pairing a Sensor with your Atlas 2

To pair a new sensor with your Atlas 2 you'll need your Atlas, a phone running Vakaros Connect, and the sensor itself. The sensor needs to be charged, powered on, and nearby. Some sensors require an external power source, see next section for additional information.

1. In Vakaros Connect on the Boats tab, select the Boat profile you would like to add a sensor to. Make sure you already have an Atlas device connected in this Boat profile and that it is powered on and nearby. Then select Add Device.
2. Choose the 3rd-Party Sensor option and then the sensor model from the list.
3. Wait for the Atlas to search for nearby sensors of that type.
4. Select your sensor from the list of found devices. If your sensor is not found, make sure it is powered on if using an external power source, or fully charged if it is rechargeable.
5. After adding the sensor, be sure to edit the Display Layout for the Atlas to add widgets that show sensor information.
6. Make sure if you have also connected the sensor to its corresponding app that you force close the app. The sensor is only able to connect to one app at a time.

Mounting your Wind Sensor

1. When mounting your wind sensor make sure the forward part of the wind sensor is forward

Powering an External Sensor

The supported Airmar transducers require an external 12 V power source which can be connected to the transducer cable using an adapter plug (not included), or by cutting the cable to expose the red (+12 V) and black (Ground) wires. If your boat does not have an onboard 12 V system, a small 12 V battery can be used and charged periodically. For smaller boats, 12 V power tool batteries are a popular choice.



Vakaros Connect App

Vakaros Connect App

Getting Started



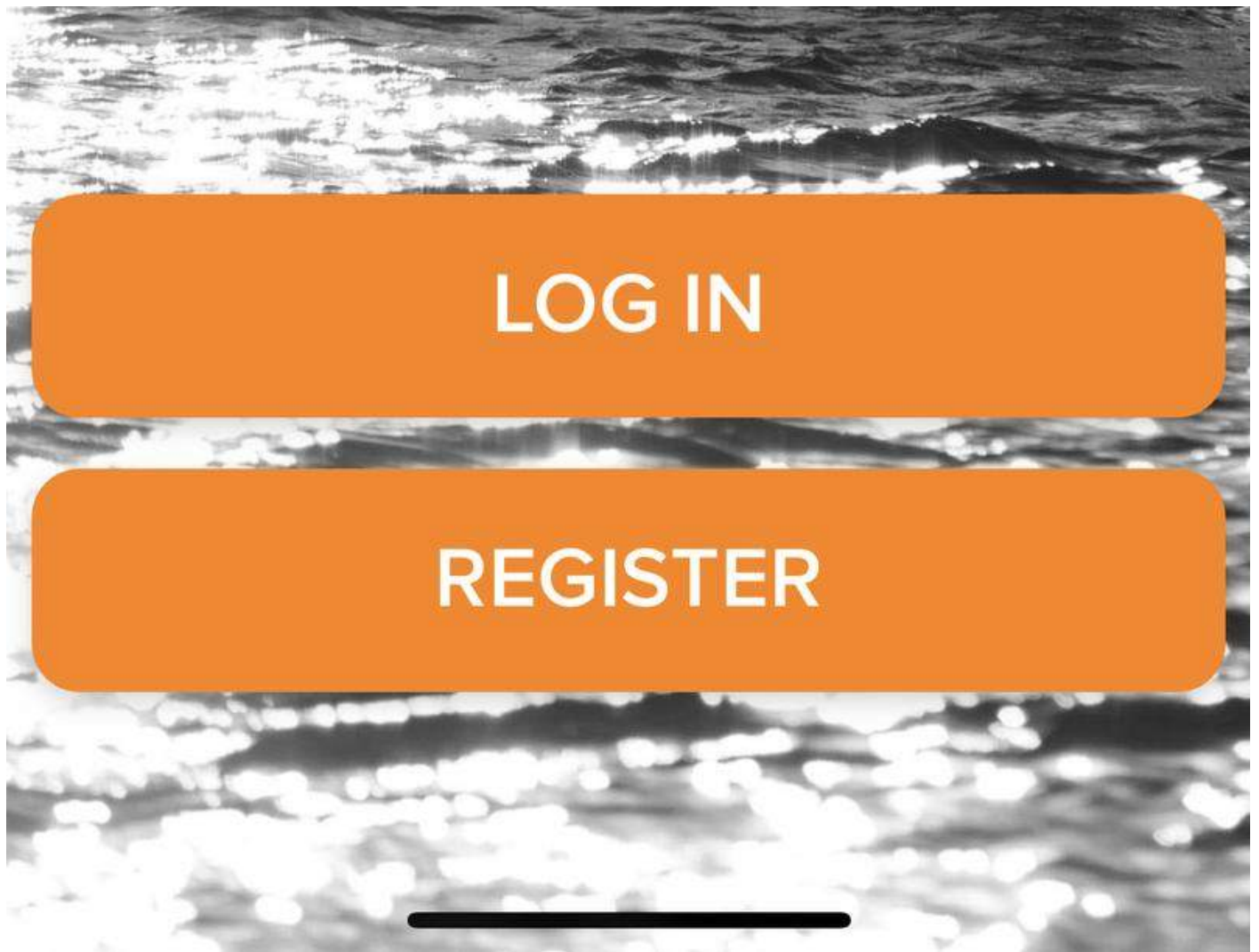
First things first. To get the most out of your Atlas 2, download the latest version of the Vakaros Connect App. Available for either iOS or Android, Vakaros Connect links wirelessly with your Atlas to provide access to a wide range of device settings, firmware updates, telemetry download, a live data view, and more. This is really important; it will make sure that you have the latest software on your Atlas 2, ensuring you have all the latest features. Make sure you have Bluetooth enabled, then search for ‘vakaros connect’ in the store, or simply scan the appropriate code:



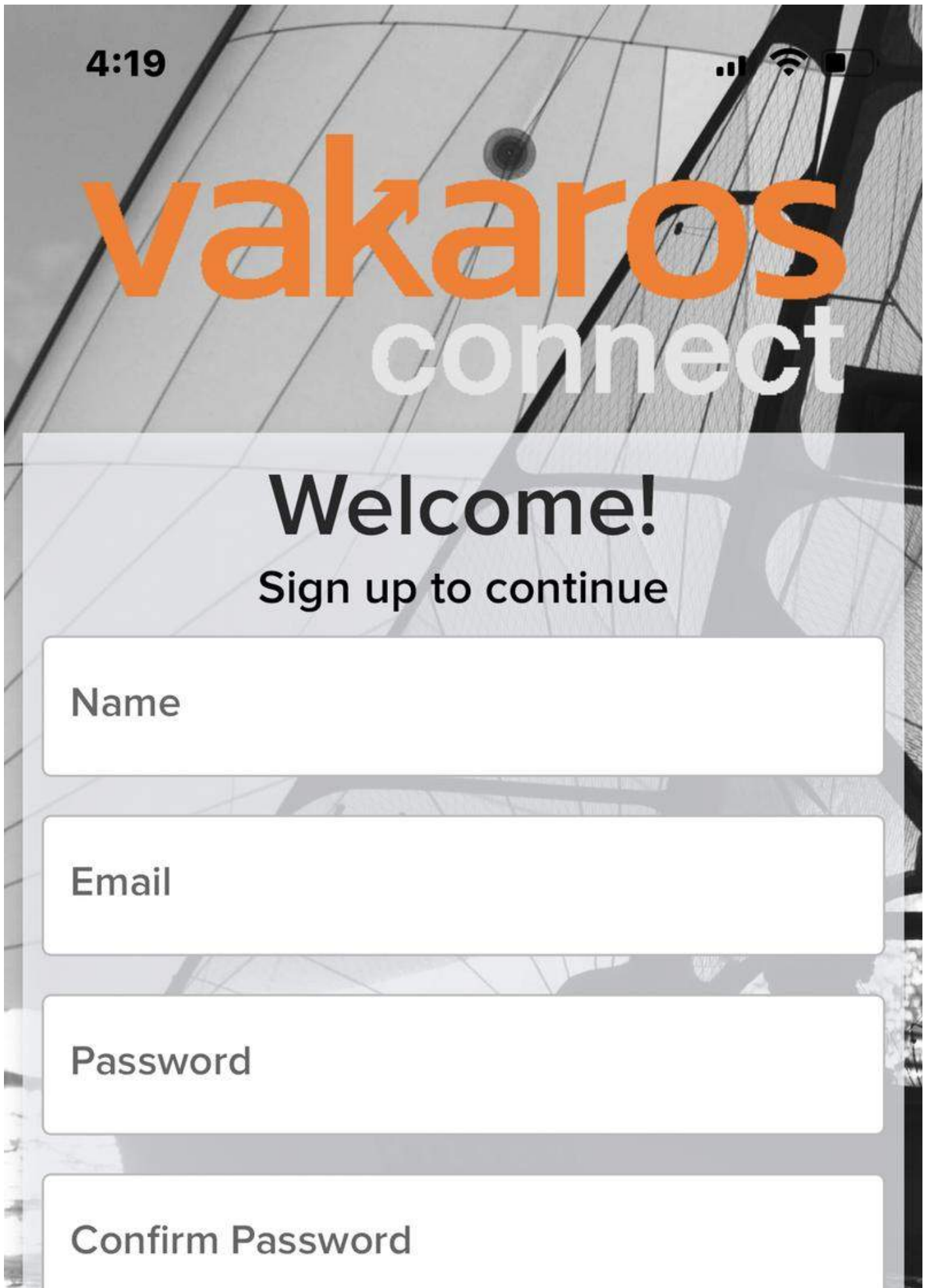
image

After you get the app installed and started, Vakaros Connect will walk you through the process of connecting to your Atlas 2. If your Atlas 2 is not yet powered on (we know how hard it is to not start playing), turn it on by tapping the power button on the top right. Turning our attention back to the app, you should first make an account. After your account is made then you'll be directed to make a boat profile.





image

The image shows a mobile app interface for 'vakaros connect'. At the top, the status bar shows the time '4:19' and signal/battery icons. The app's logo, 'vakaros connect', is displayed in orange and white text over a background image of a sailboat's mast and rigging. Below the logo, a semi-transparent white box contains the text 'Welcome!' and 'Sign up to continue'. Underneath this box are four white input fields with rounded corners, each with a label: 'Name', 'Email', 'Password', and 'Confirm Password'.

4:19

vakaros
connect

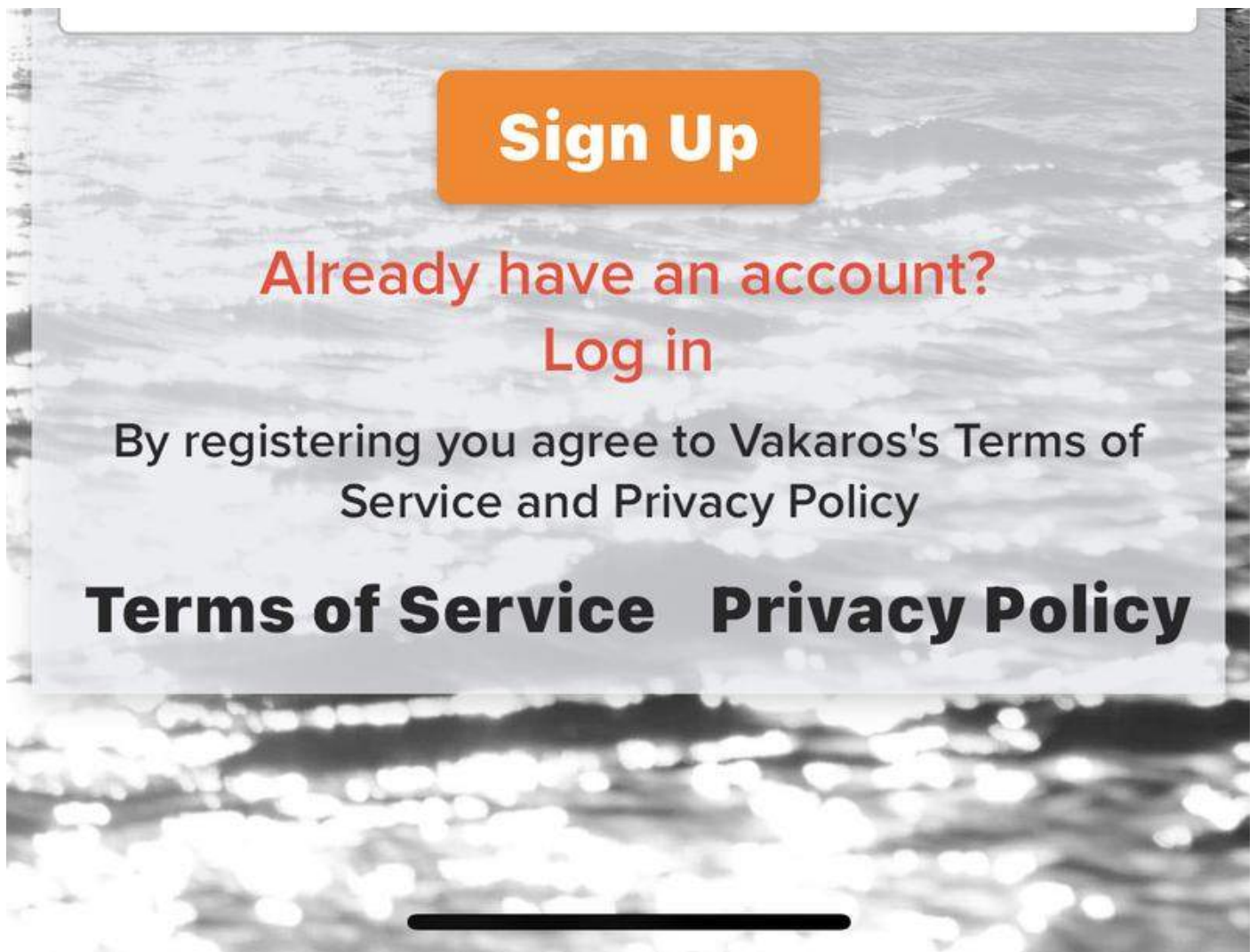
Welcome!
Sign up to continue

Name

Email

Password

Confirm Password

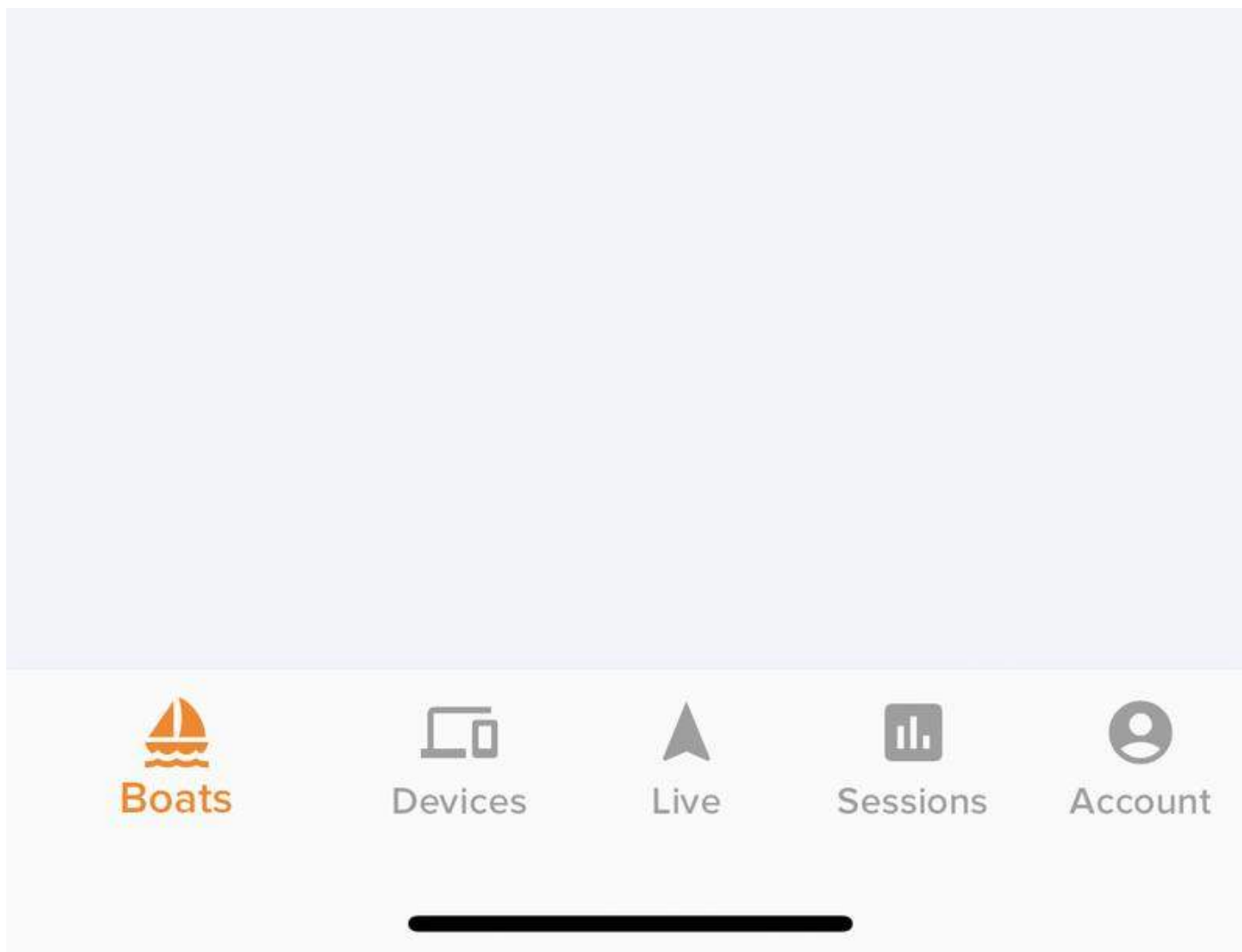


image

4:18

Boats registered to your account will appear here. Press "Add Boat" to add your Boat to your account and connect Vakaros devices to it.

Add Boat Profile



image

After pressing this button, a screen appears that allows you to add your boat information. Once you enter your boat information and press next you'll be able to add your device or any previous device you've already added to your account.

4:50



Add Boat Profile

Boat Information

Name

The boat's name will be used to identify it in the app and on your Atlas

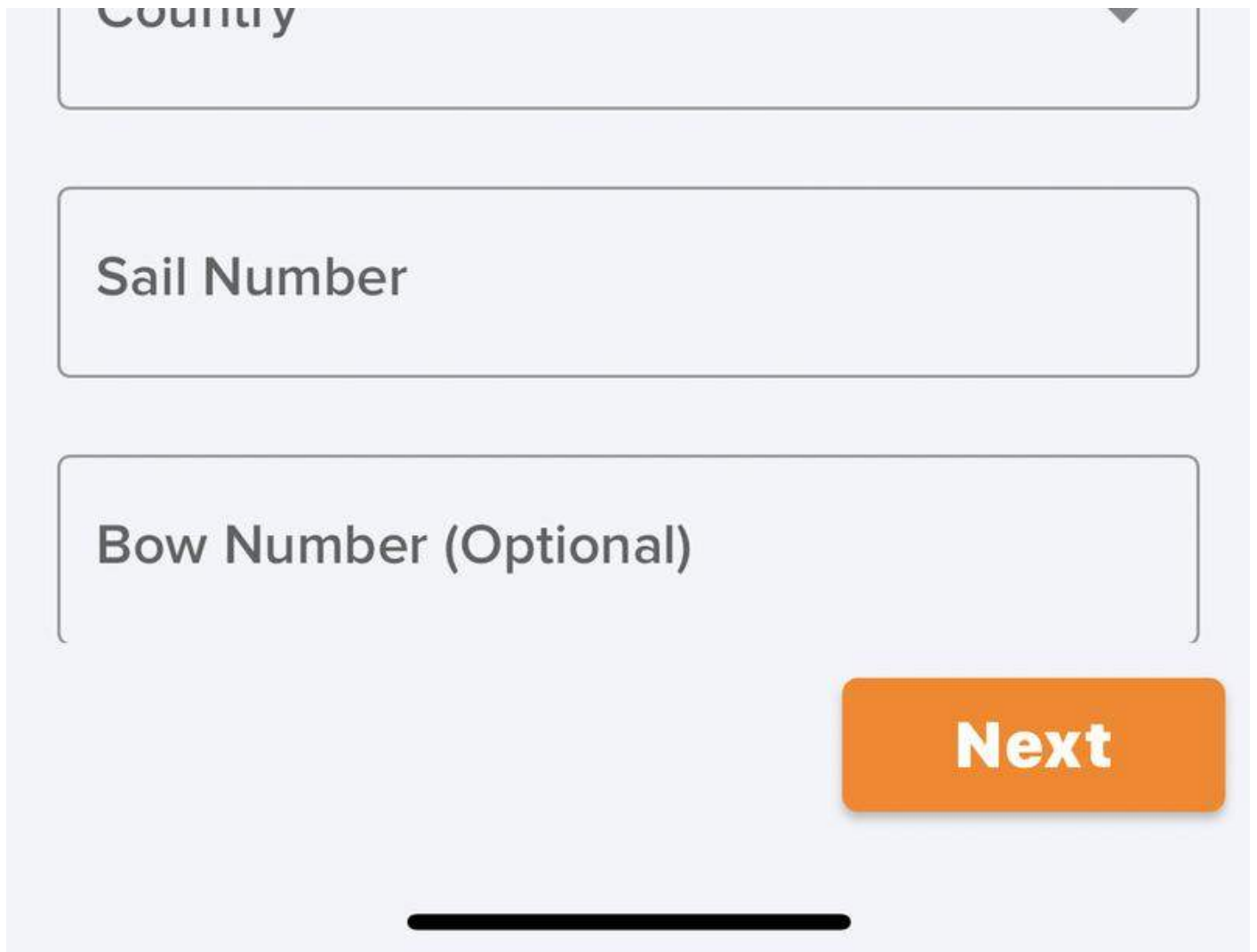
Class



If you don't see your class, no problem, your Atlas 2 will function just the same. But, feel free to submit your class info here and we will add it ASAP

Length

Country



A mobile application form with a light gray background. It features three input fields: a dropdown menu at the top labeled "Country", a text field in the middle labeled "Sail Number", and a text field at the bottom labeled "Bow Number (Optional)". To the right of the bottom field is an orange button with the text "Next" in white. A thick black horizontal line is positioned at the very bottom of the form area.

Country

Sail Number

Bow Number (Optional)

Next

image

4:50



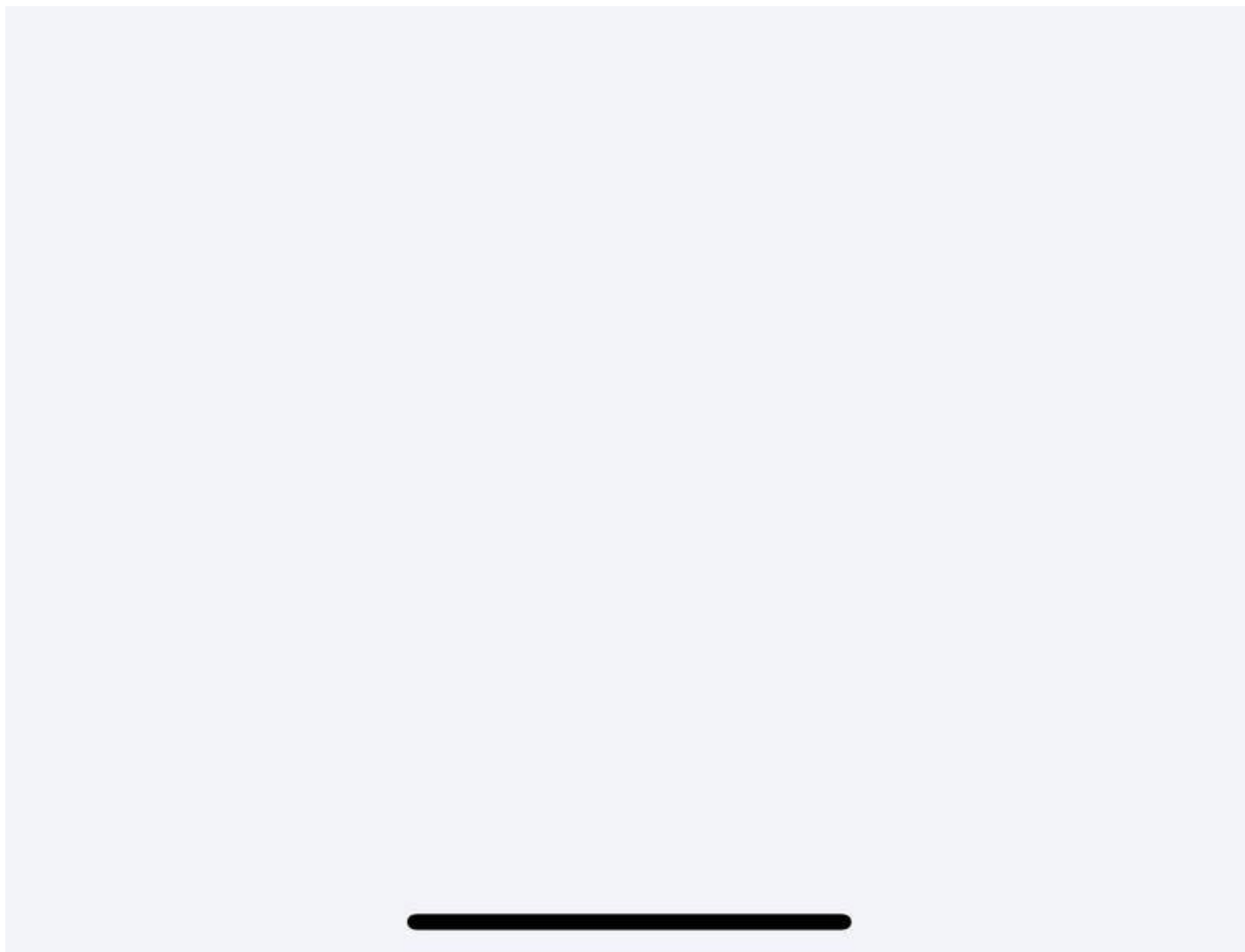
Add Boat Profile

**The boat has
successfully been
added to your
account.**

**But there aren't any devices connected
to it yet.**

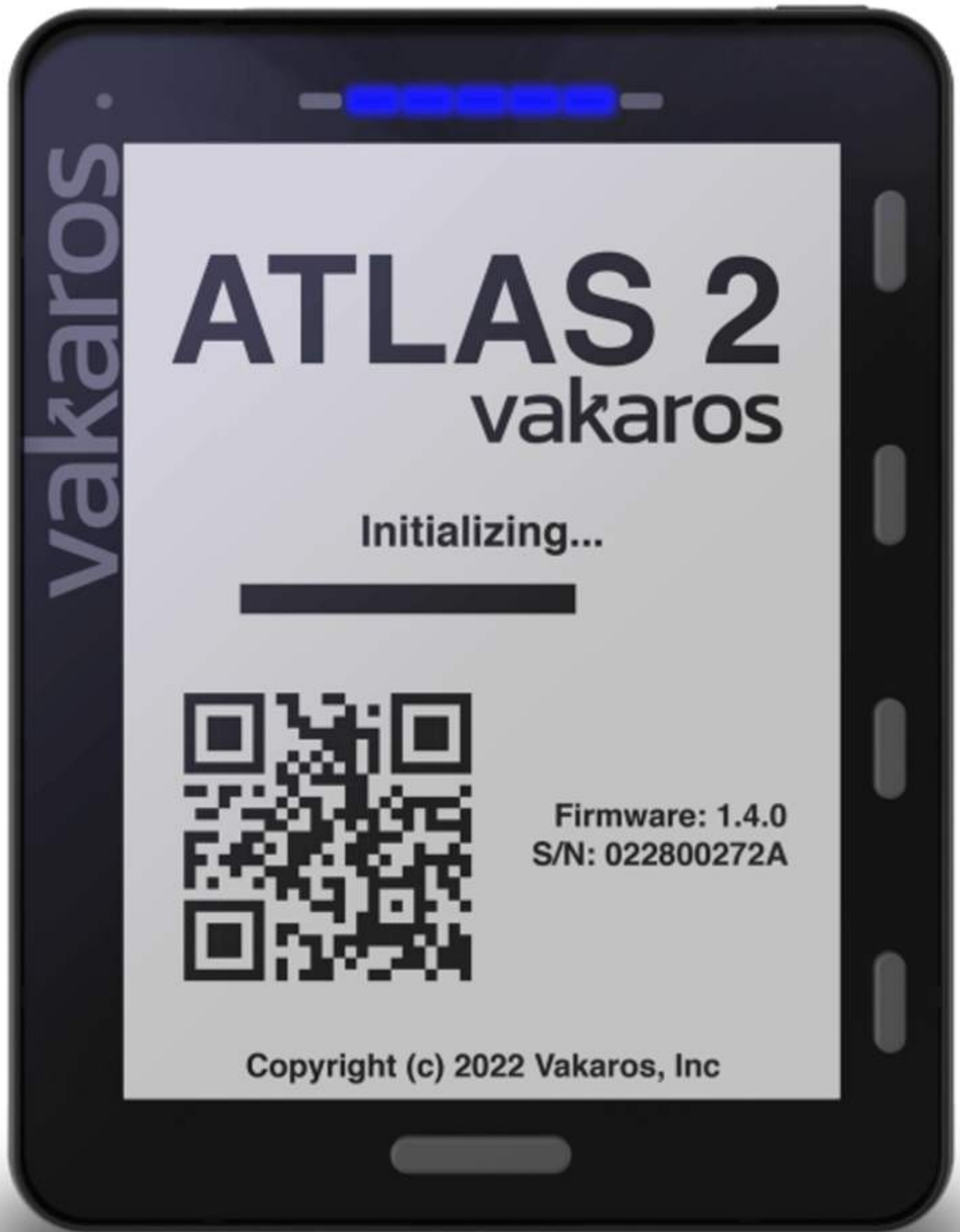
Would you like to do that now?

Add Device to Boat



image

To get to your home screen where the QR code is to scan in your device, a quick tap on the power button brings up a device screen like this:



image

Scanning this code will register your device, and also make sure it has the latest firmware. Your Atlas 2 might reboot a few times during this process; wait for the steps to finish before continuing on. We'll come back to the app, but let's get ready to dig into the Atlas 2! We're going to focus first on some key physical parts; the display, the buttons, and the LEDs.

Here's a video walking you through the unboxing steps.

[Vakaros Atlas 2 - Setup and Unboxing Vakaros](#)



Connect-Controlled Functionality



icon

The Connect App is the control center of your Atlas experience

Class Compliant Modes

We're excited to offer the ability to restrict certain functions of the Atlas 2 to comply with different class rules. This functionality is based in the Connect app and can be configured when creating a boat profile. It's easy to switch between profiles to go from

restricted to full capabilities, and to audit what capabilities were available during a given session if there is ever any question. See our detailed video walkthrough of setup here:

[Vakaros Atlas 2 Class Compliance Vakaros](#)



thumbnail-image

Data Logging

One of the core features of the Atlas 2 is its ability to log sensor data for later review. Due to its high logging rate and wireless connectivity, the Atlas 2 has become a favorite of Olympic teams world-wide. When enabled, the Atlas 2 logs data whenever it is on. The data rate can be set from 1Hz to an industry-leading 10Hz. Below we will show you how to adjust the logging frequency rate:

Click on your desired boat profile → Devices → scroll down to Telemetry Logging and make sure logging is on, and set the logging rate. Shown on the screen below:

GENERAL

Clock



Orientation



Change the default 3D orientation (roll, pitch, yaw)

Device Not Fixed to Platform

Enable if this Atlas can move independent of the hull. For example: on a rotating mast, boom, or on someone's person.



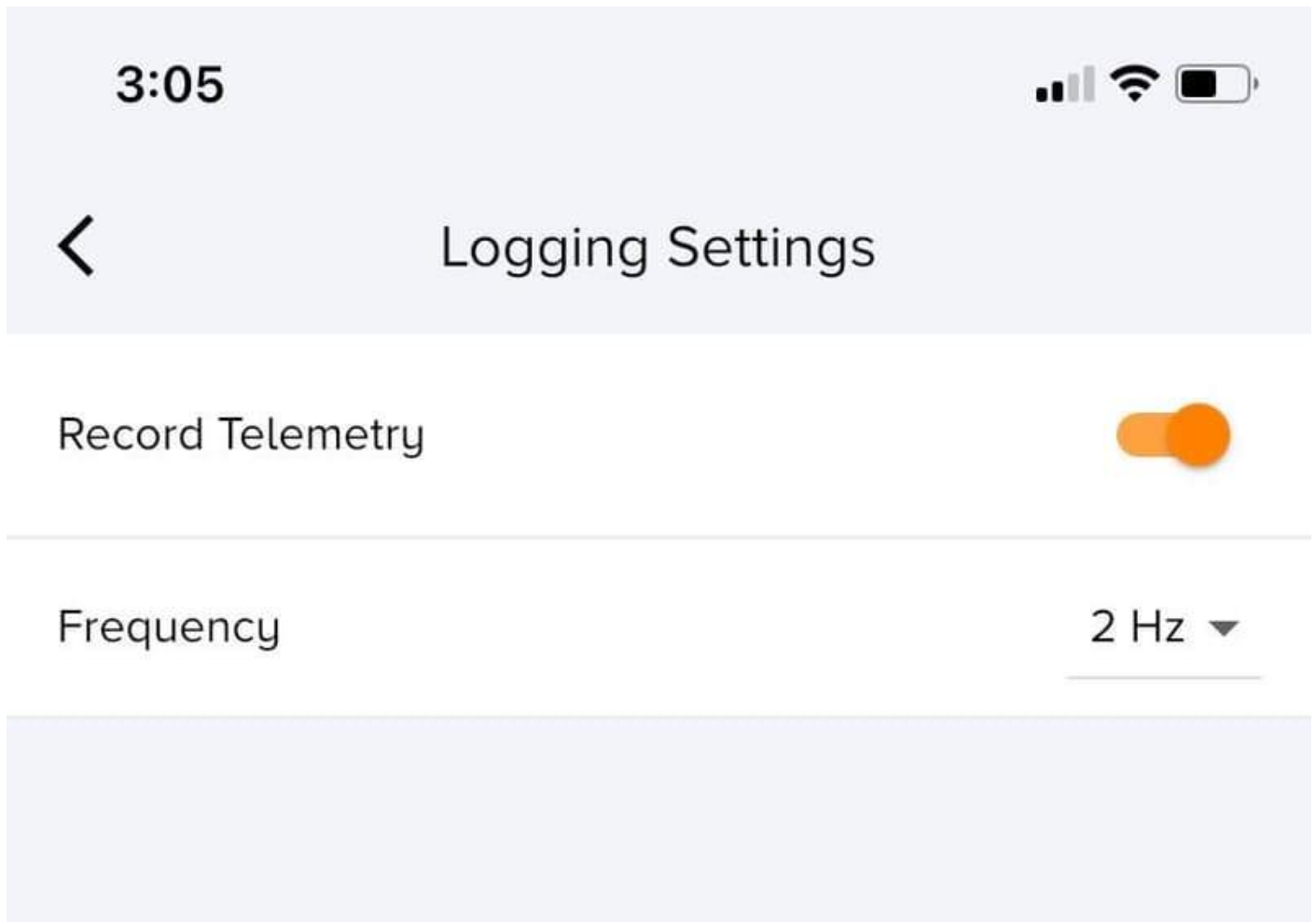
Telemetry Logging



Rename Profile



image



image

The rates can be set to record all sensor data at 1, 2, 5, or 10 times a second. 1 is best used for longer distance races while 5 is best for detailed analysis. 2 offers a compromise between settings 1 and 5. 10 is best used for hyper-critical work. The Atlas is ALWAYS recording when the switch is on.

Storage and Accessing of Log Data

Here is an overview of the 4 places the logging data from your Atlas can exist.

A) In the Atlas. With the setting turned on, the Atlas is ALWAYS recording when the power is on. Every time it is turned on then off, it creates a session. There is nothing to manage here, the Atlas can store hundreds of sessions containing days and days of logging. When the storage is full, it simply overwrites old data.

B) In the Vakaros Connect app . The app provides an easy, graphical way to wirelessly pull your sessions off the Atlas and into the app. Here you can view your sessions, do some quick on-the-water review, and prep them (trimming etc.) for loading into a more powerful off board analytics tool.

C) In local device storage as an export. This is simply a file stored on the phone and designed to be opened by an analytics program. We support several popular formats, with or without compression, and our own special binary VKX format that allows the capture of start times and starting line mark locations as well as a CSV file.

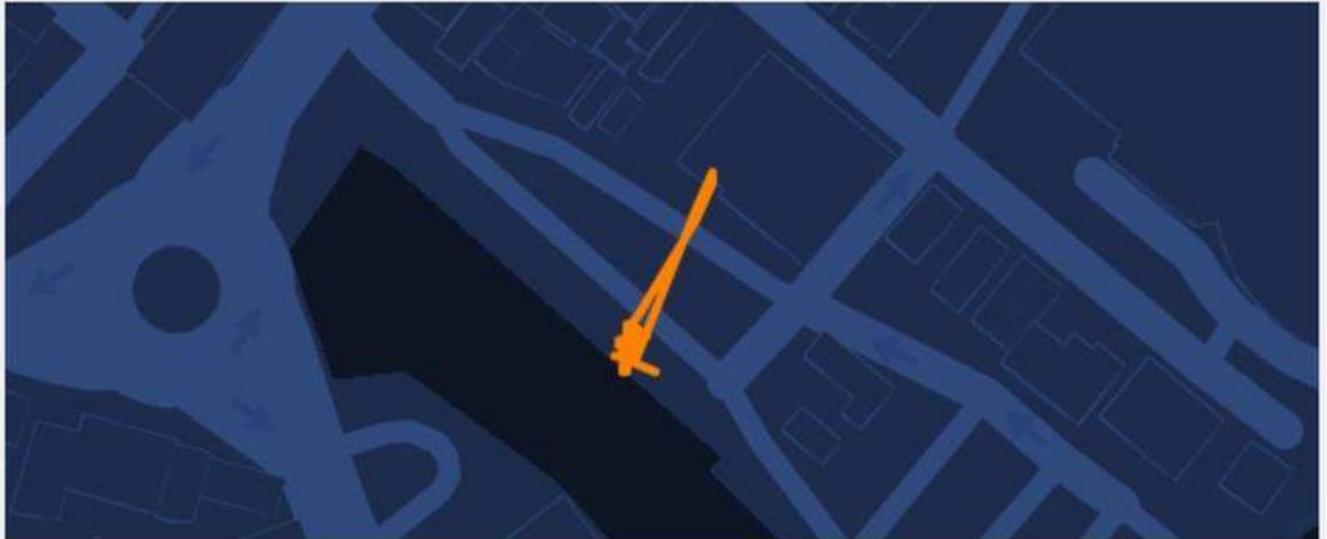
D) In a third-party analytics app. Ex. ChartedSails, SailNjord, or Sailviewer.

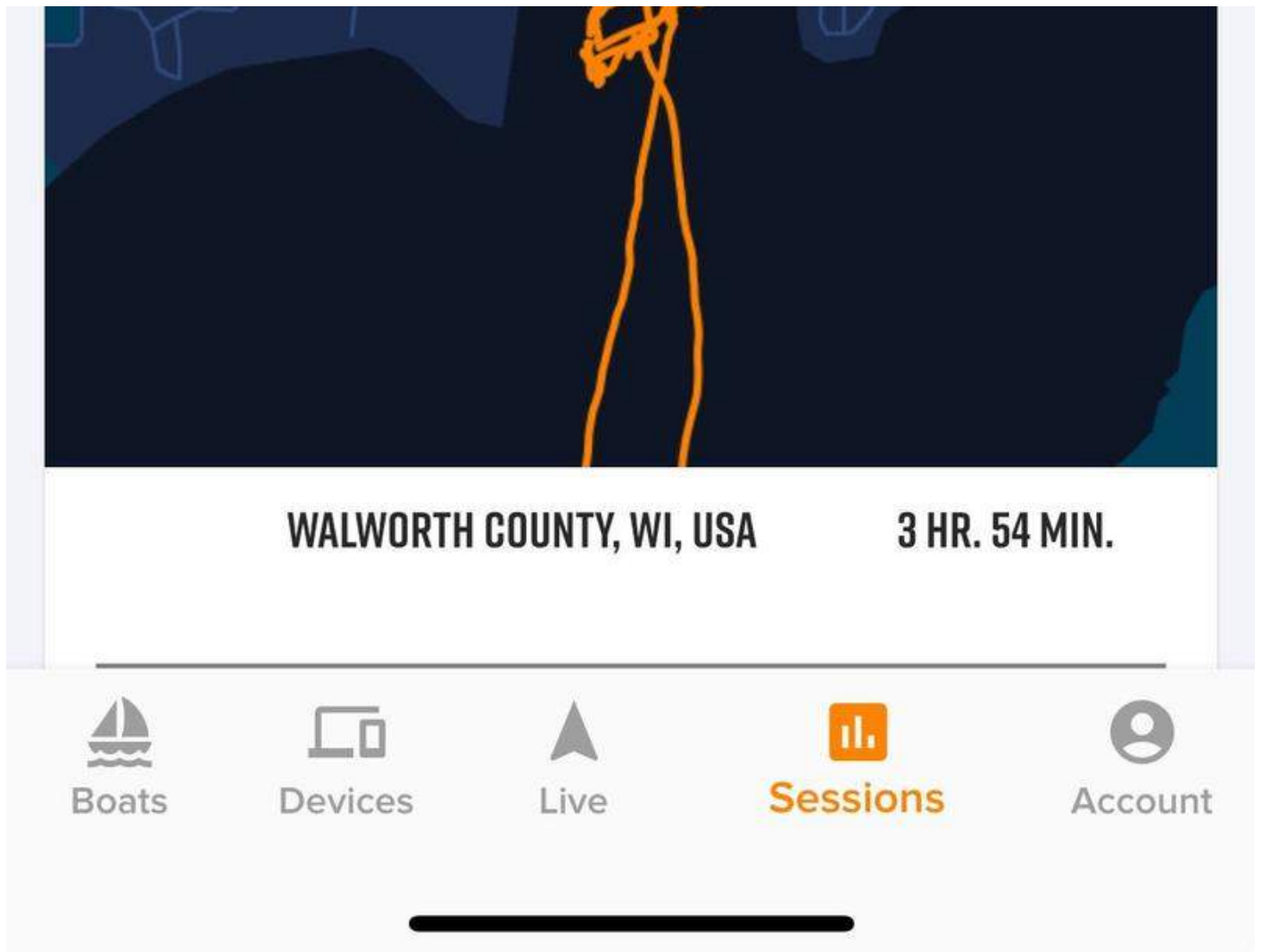
When in the Vakaros Connect app, you will see an icon on the bottom that says “Sessions”. This icon leads to the logging screen and will show the sessions already downloaded to the App (which will be empty the first time in). The “Download” button is located at the top right of the screen, which also shows how many un-downloaded sessions the Atlas contains.

A session labeled ‘Live’ is the session currently being recorded and can be downloaded at any time. Download times are a function of sample rate and recording length, but normally only take around a minute for a typical race. Once a session is

downloaded no other action is necessary - the device will reuse the space when needed. It will live as long as you want it to in the app.

It will be visible in the main logging page where you can scroll through and view data from any session.

3:08**Sun, Oct 15, 2023****1 Session****Drew's 10/15/2023****DREW'S****2 HR. 43 MIN.****CLASS COMPLIANCE: 300P****Sat, Aug 19, 2023****2 Sessions****Session 3802066361**



image

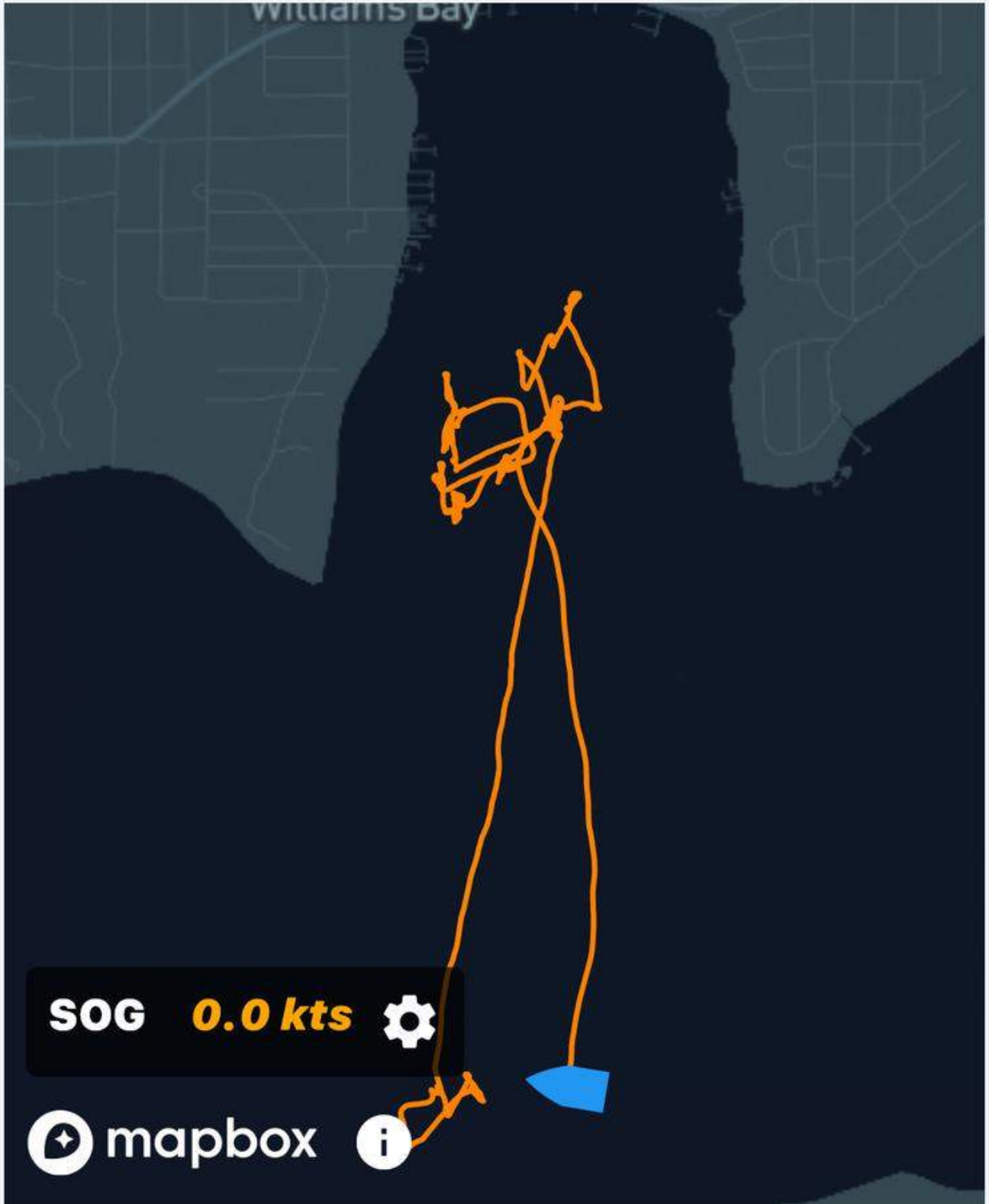
Select export which then allows you to trim off unwanted parts of the recording, select desired sensors for recording, and the preferred data format for the file.

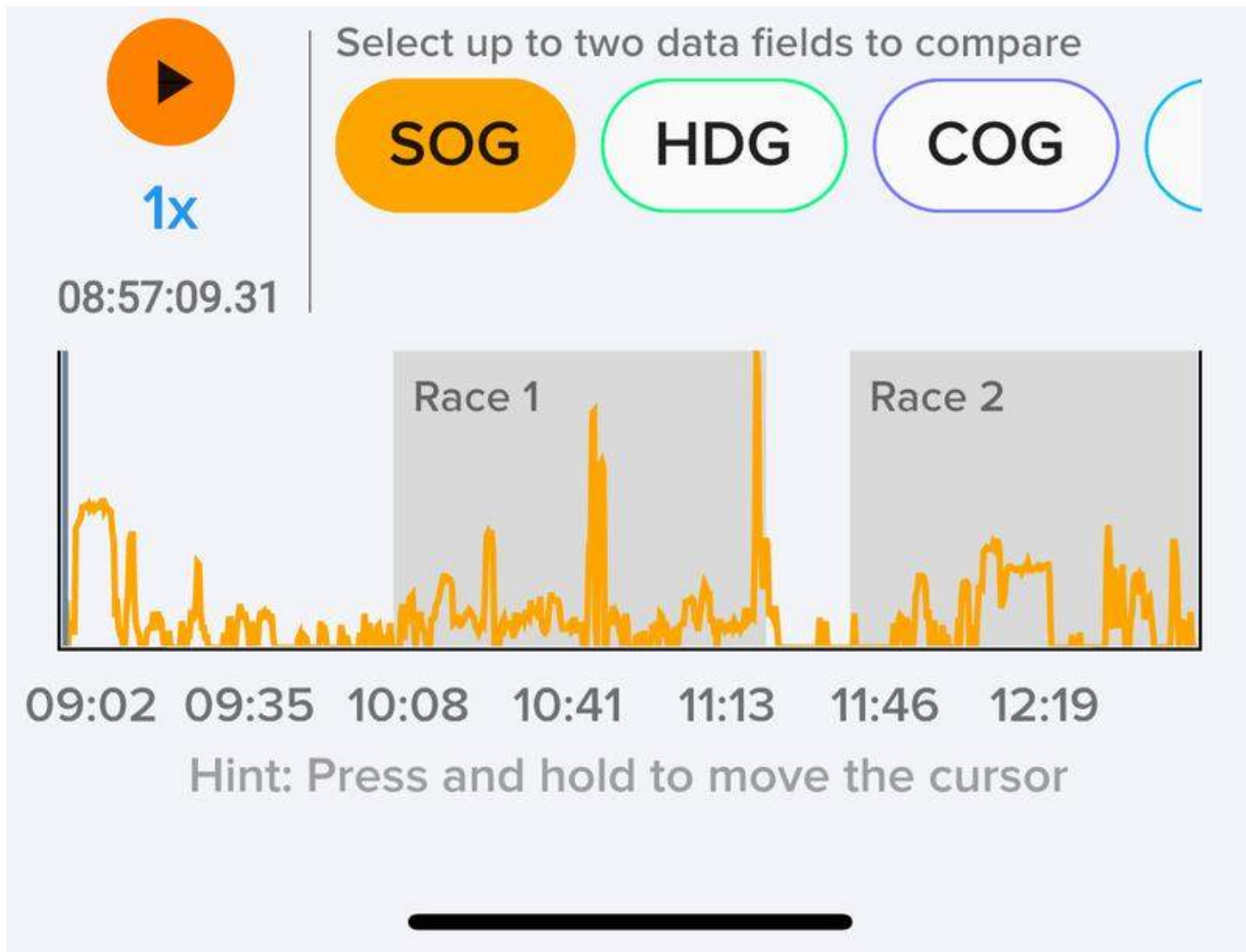
Then you can choose to send the file via email etc or save it to the phone's system. Saving the file to the phone's system allows you to open it with the app.

2:24

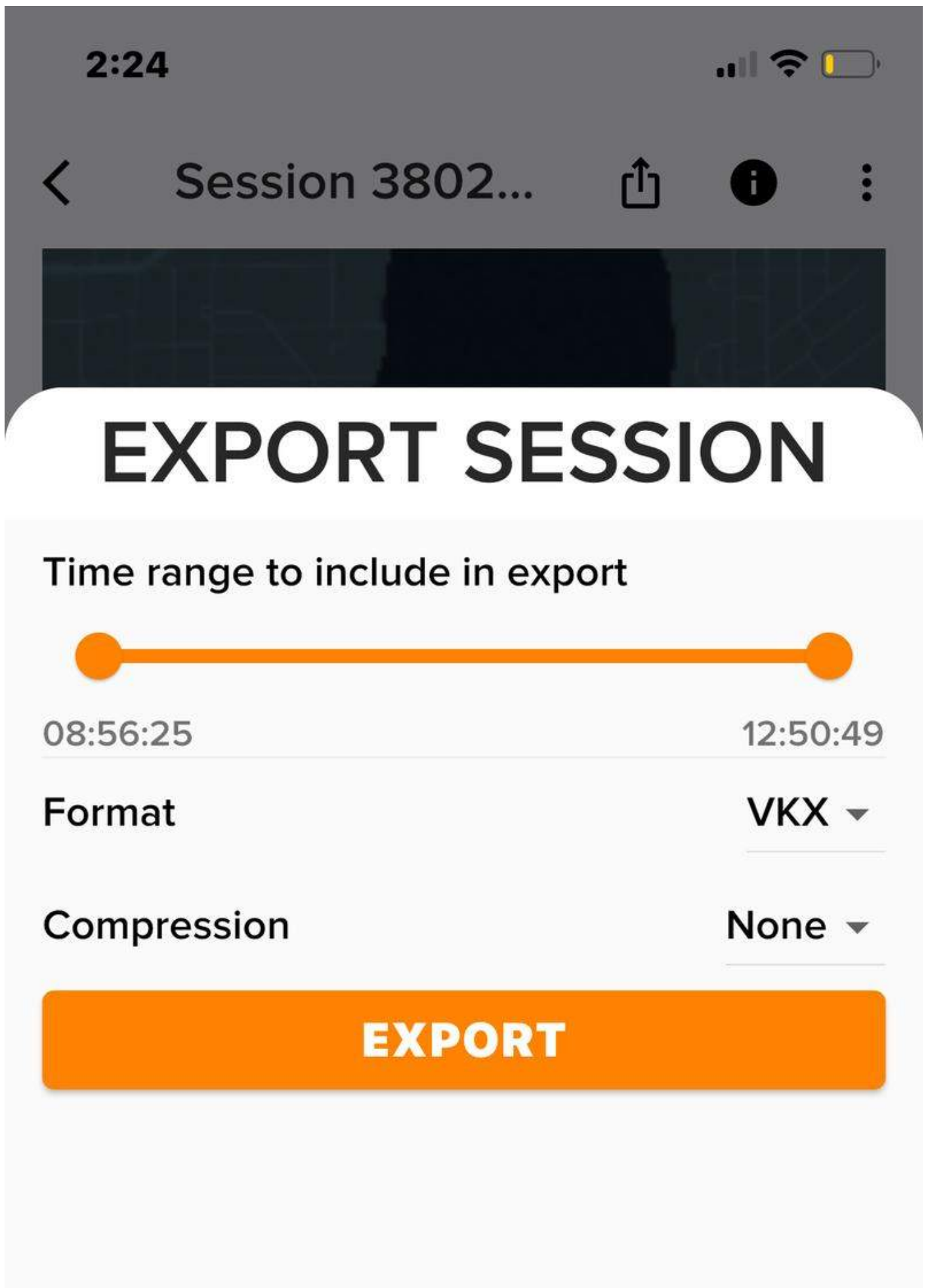


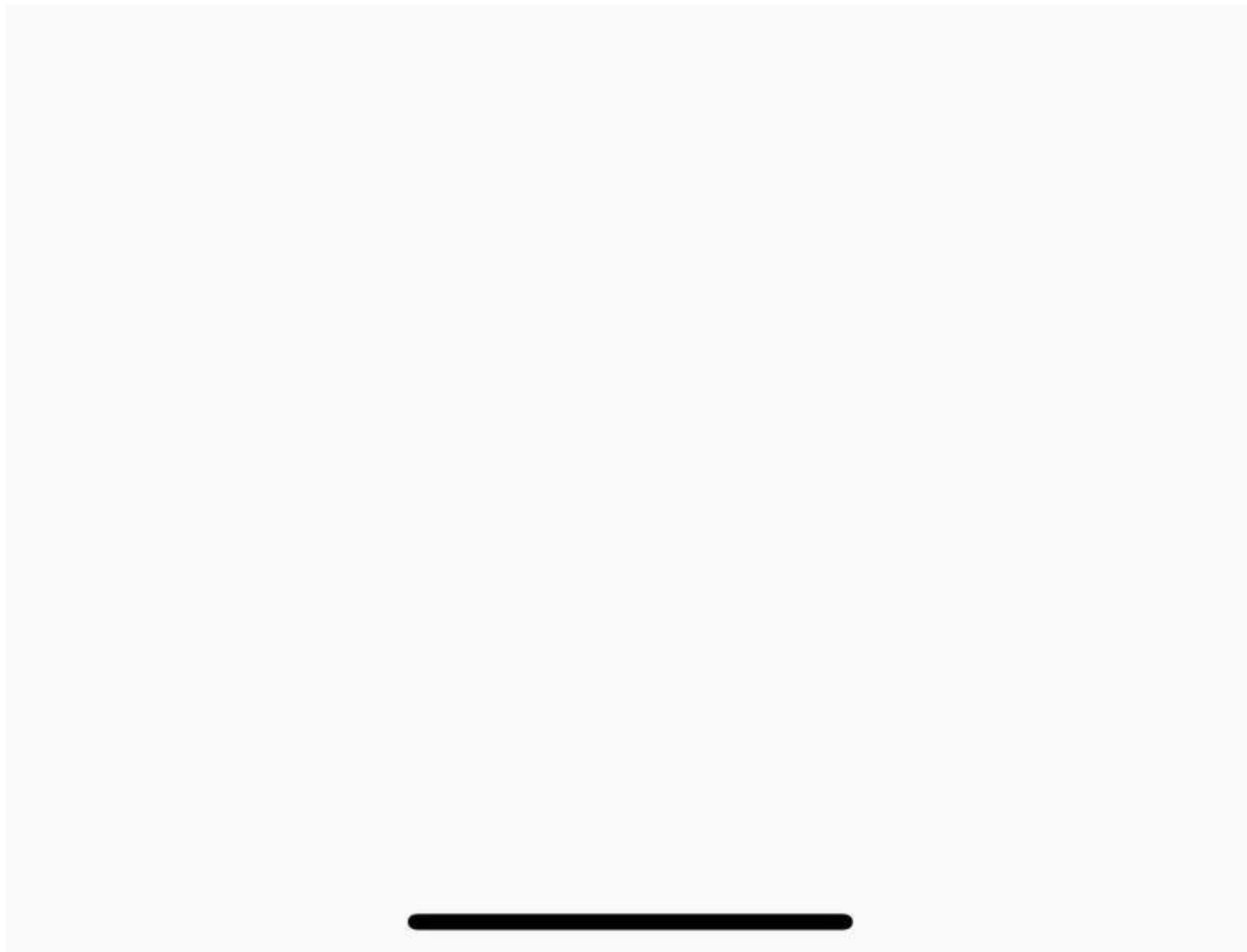
Session 3802...





image





image

2:24

Session 3802...

EXPORT SESSION

Time range to include in export

08:56:2512:50:49

Format

CSV

CSV Advanced Options

Select data to be included in export

SOG

COG

☒

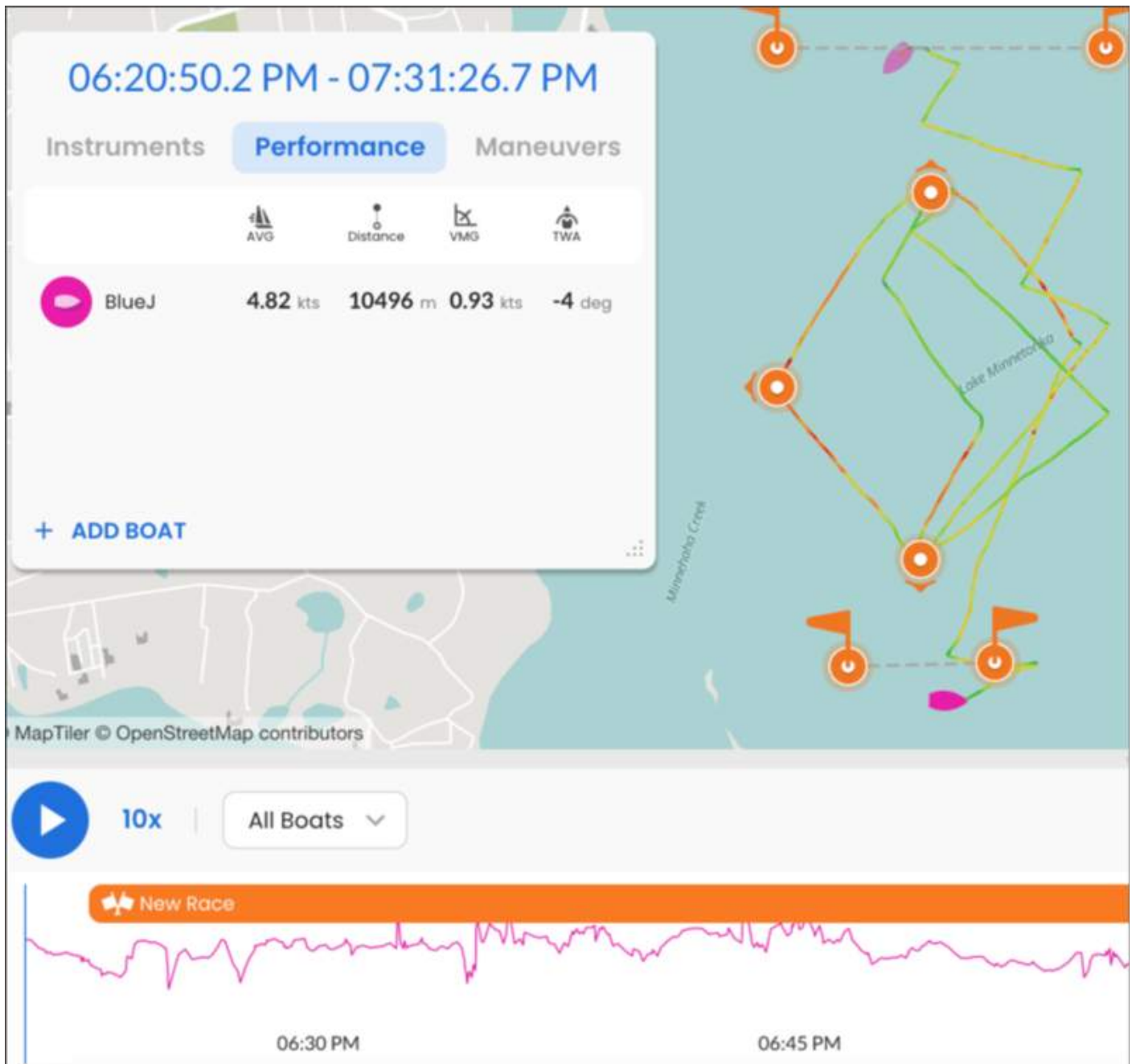
☒

HDG (True)	Roll
☒	☒
Pitch	Altitude
☒	☐
Declination	Quaternion
☐	☐



image

The file can be opened using any local app or web-based system. At launch we are partnering with ChartedSails and SailNjord. They both offer a trial period to test the software. Have a look at [chartedsails.com](https://www.chartedsails.com) and [sailnjord.com](https://www.sailnjord.com) . We recommend using the VKX format with both CharteredSail and SailNjord instead of other formats such as CSV. We are also compatible with Sailing Performance ([sailingperformance.com](https://www.sailingperformance.com)) and GoogleEarth using the CSV format.



image

Customizable User Interface

While the UI of the Atlas 2 was created by design experts and top sailors for maximum flexibility, that does not mean that it will be perfect for everyone. That's why we created the custom UI builder. This capability allows you to easily design your own screens with a graphical builder, and then publish those screens to the Atlas 2. It also allows you to add controls (we call them widgets) to the screens to support external sensors.

You must click on your desired boat profile and click on Devices in order to customize the display settings.

If the option for 'Display Layout' is gray, it means the Atlas software needs to be updated. If it is not gray, click on the button and it will bring up the screen editor. All changes are made in the app and then sent to the Atlas. Your screen should now look like this:

3:14



Edit Profile 'j/70'

INFO



synced



not
connected

Device Name:	Drew's
Serial Number:	0228003902
Model:	Atlas2,0
RSSI:	-- dB
Boat:	Drew
Profile Name:	j/70
Firmware Version:	0.13.7-stable

Status:Up To Date

DISPLAY AND SOUND



Display Layout

Configure the layout of your Atlas screen

>



Backlight

>



image

3:15



Edit Profile 'j/70'

DISPLAY AND SOUND



Display Layout



Configure the layout of your Atlas screen



Backlight



LED



Sound



Alarms



DATA CHANNELS

Magnetic Heading (HDG)



GPS (SOG/COG/Position)



IMU (HEEL/TRIM)



Velocity Made Good (VMG)



image

3:15



Edit Profile 'j/70'

GENERAL

Clock



Orientation



Change the default 3D orientation (roll, pitch, yaw)

Device Not Fixed to Platform

Enable if this Atlas can move independent of the hull. For example: on a rotating mast, boom, or on someone's person.



Telemetry Logging



Rename Profile



DESTRUCTIVE ACTIONS



Restore Default Settings

Remove From Boat



image

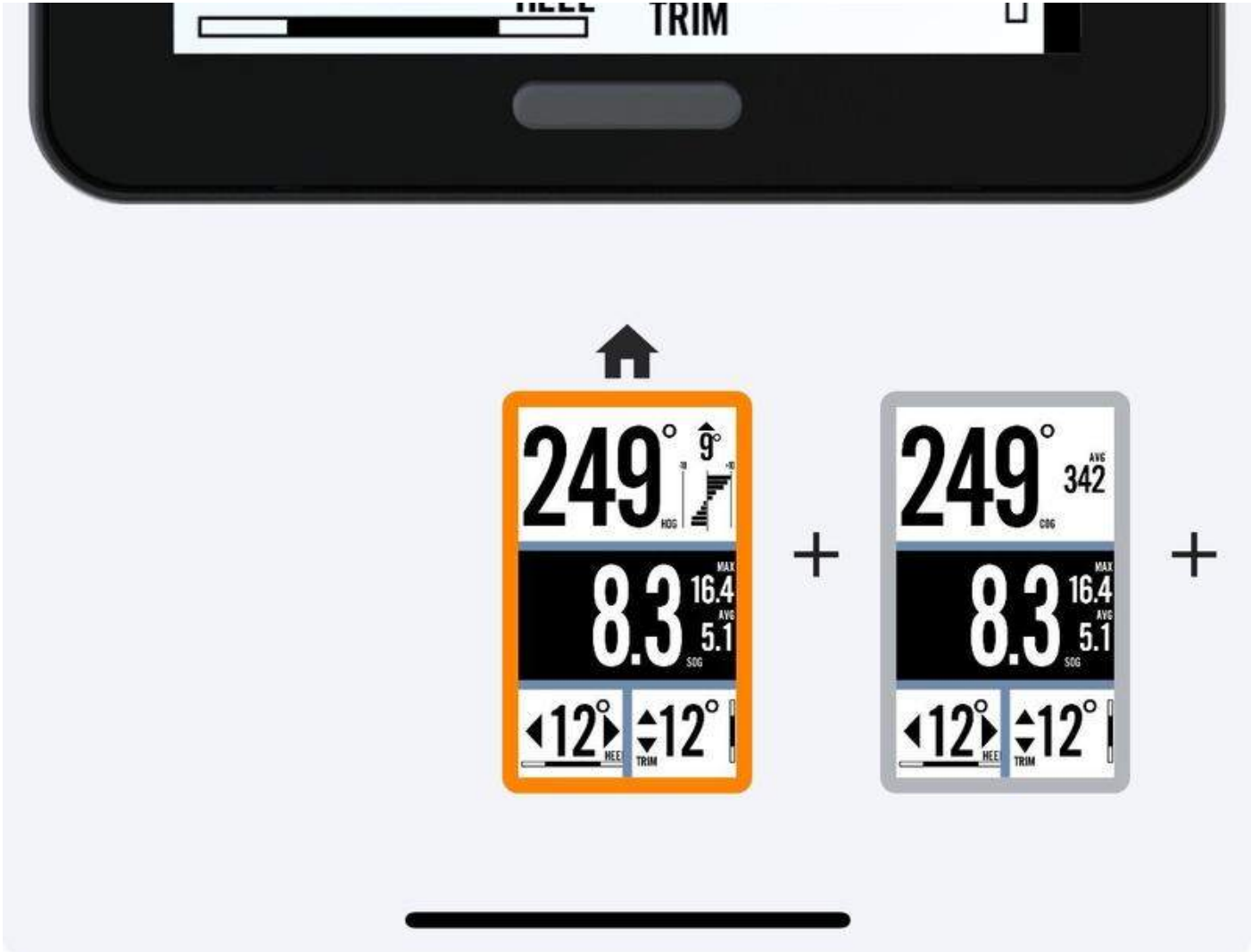
The big image is the editable Atlas page. It's highlighted at the bottom of the screen on the carousel. Flicking through those images allows you to select a different page to edit, or add a new page in place by selecting one of the arrows. The 'gear' button at top right allows you to adjust the setting for the current page.

3:21



Page 1





image

3:23



Rename



Configure Page



Configure Buttons



Configure LEDs



Configure Training Mode



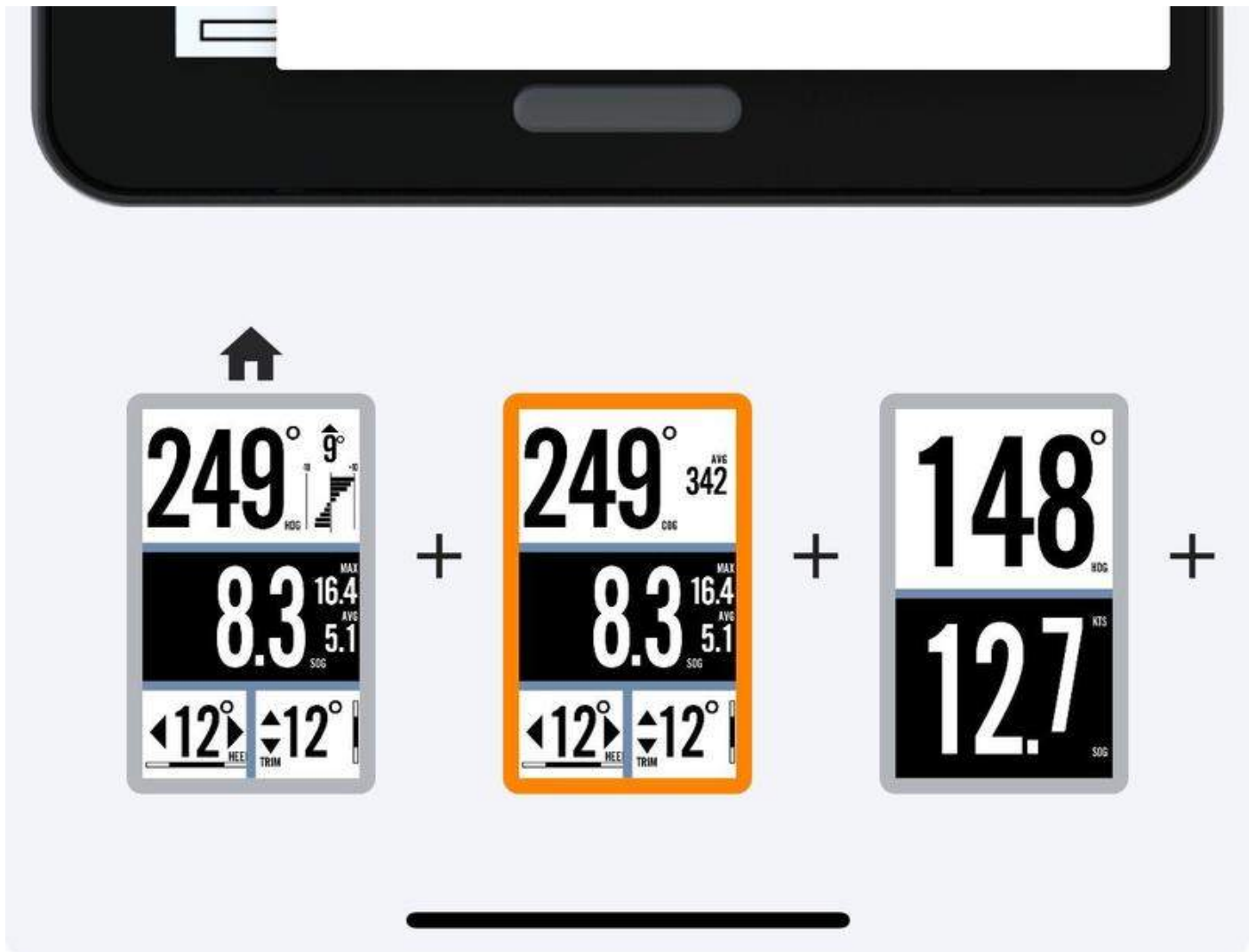
Set as Home Page



Set as Start Page



Delete



image

Most of the options are self-explanatory; two deserve an explanation. The ‘Start’ page is the page that the Atlas switches to whenever the start button is pressed. The ‘Home’ page is the page that the device switches to after the gun. Now let’s get a feel of what we can do by making a few changes. Here’s a simple one.

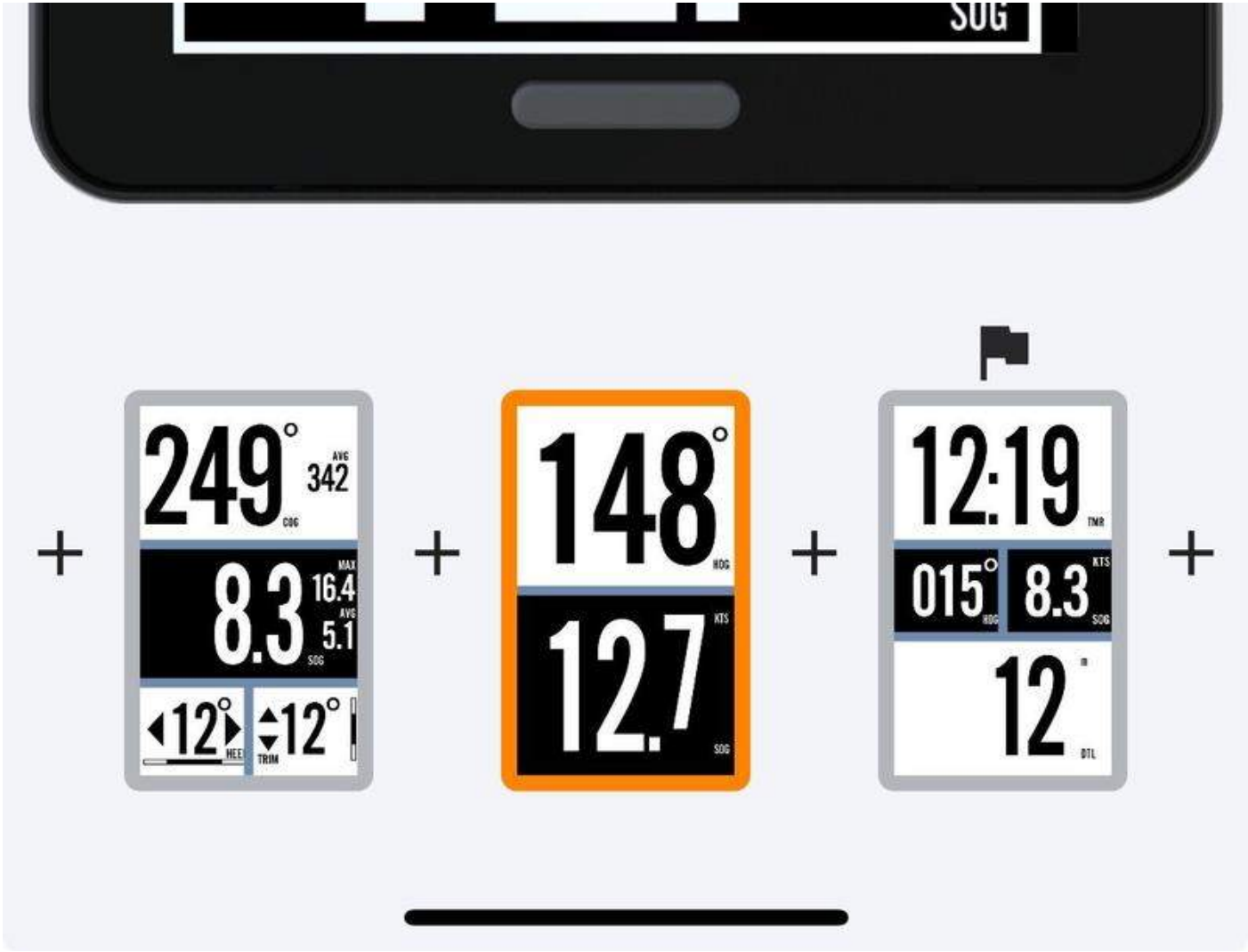
Imagine you love the big digit heading and speed page, but are not crazy about the reverse color on the speed. Let’s change it. Select the page, and then tap on the speed widget.

3:23



Page 3





image

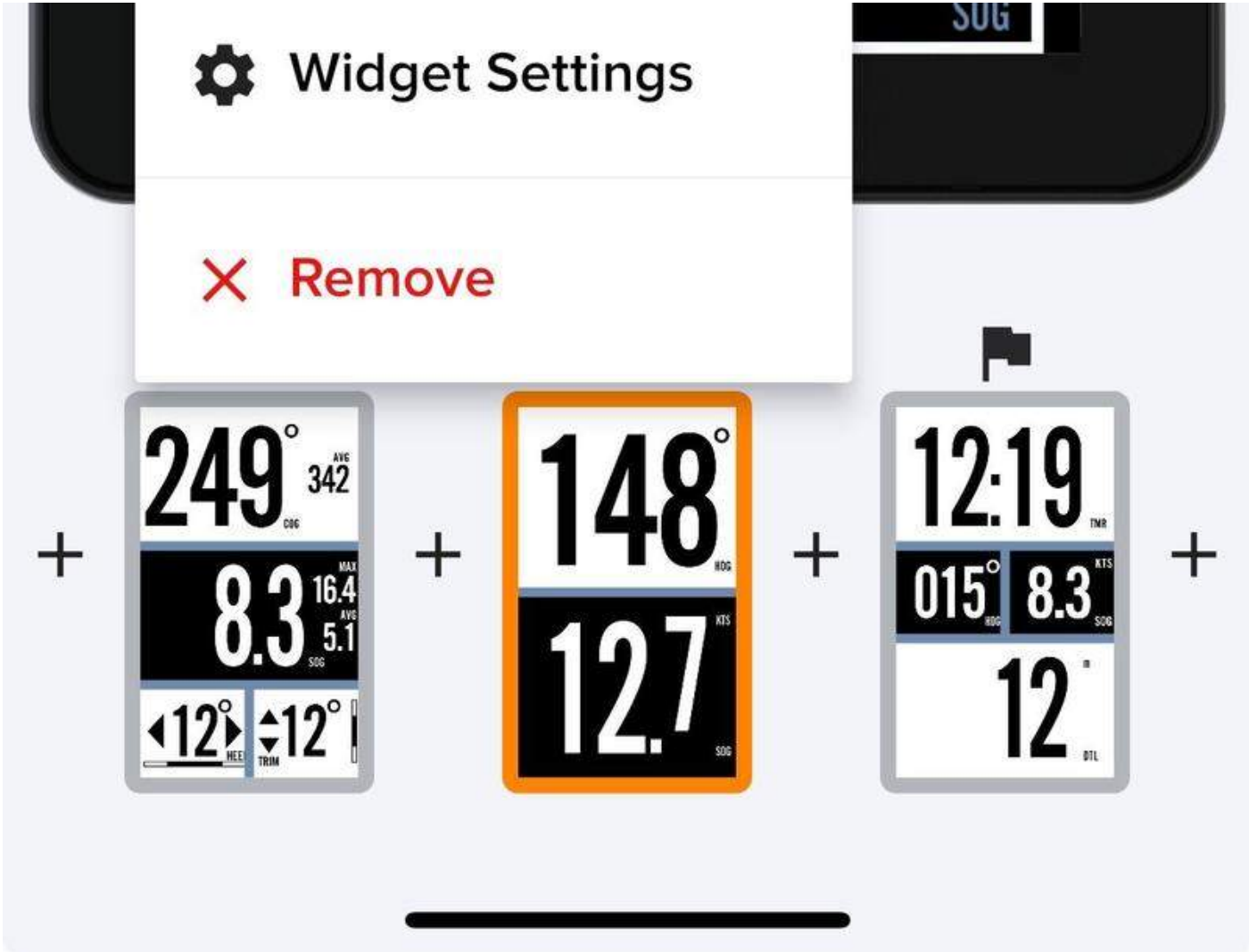
3:24



Page 3



↔ Change Widget



image

Tap the button to turn off ‘Invert’ and the control switches. The speed widget should now show the inverted color scheme.



Configure Widget



Invert Colors



Cancel

Submit



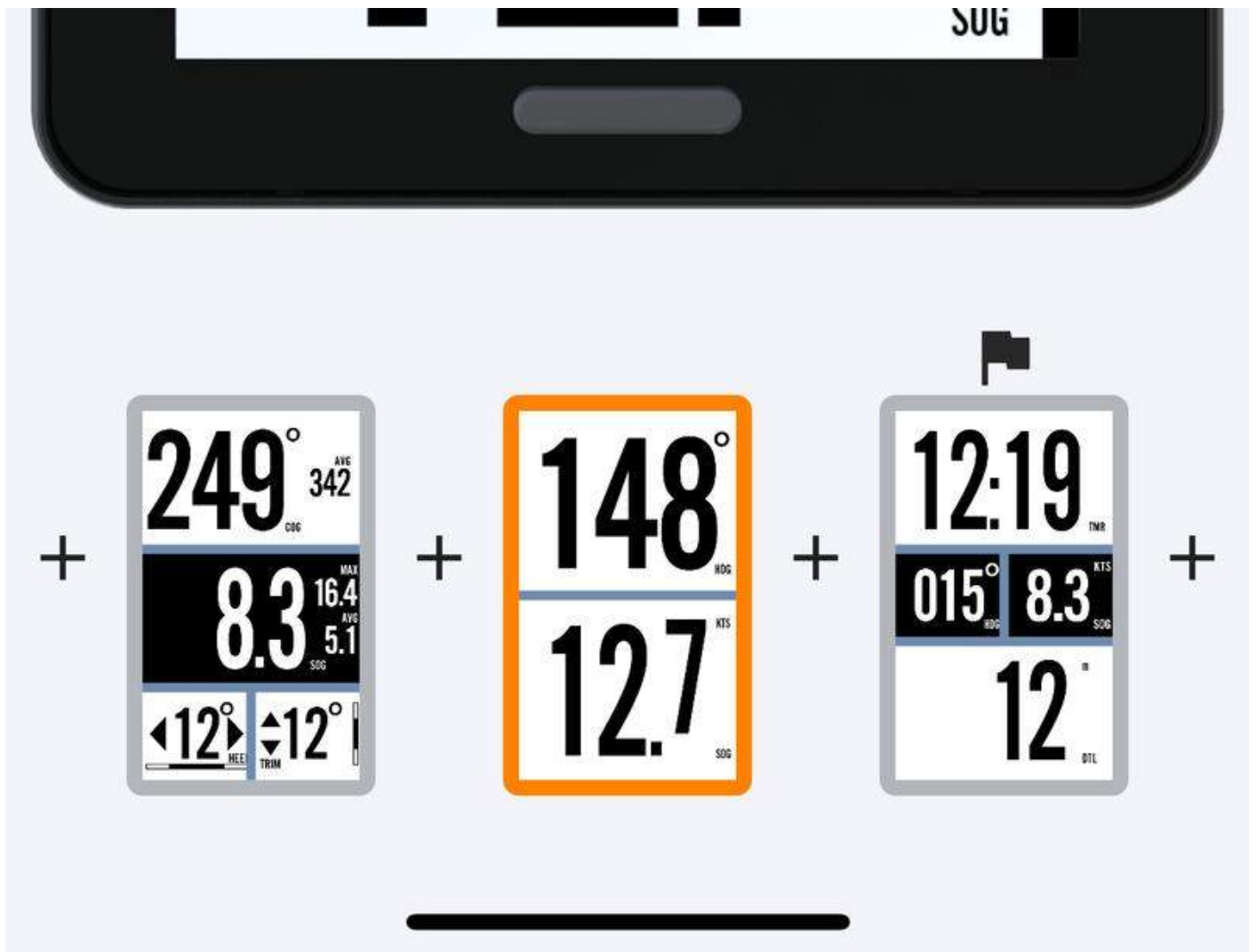
image

3:24



Page 3





image

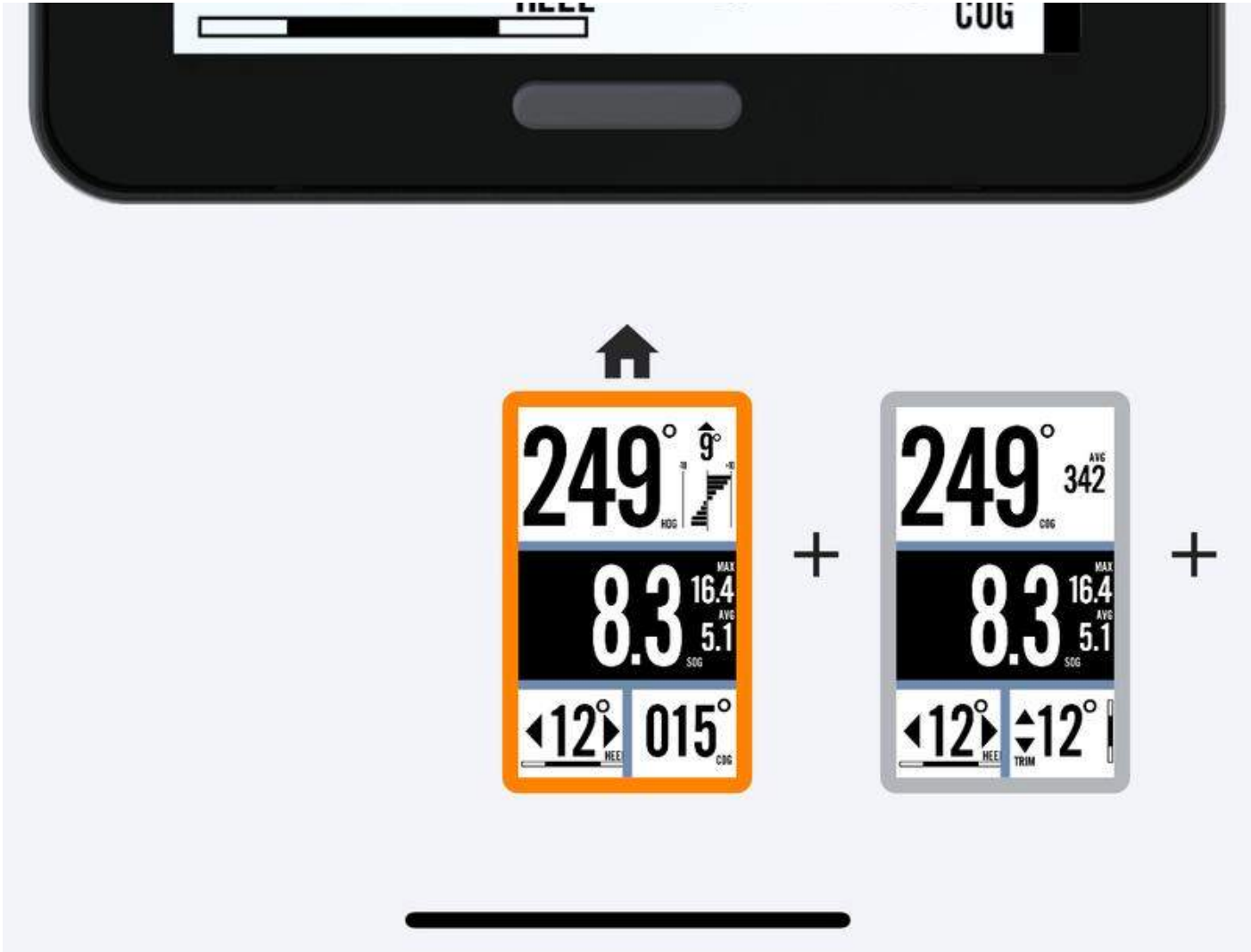
Now let's swap a widget. On the regular home page choose the widget you would like to switch. As an example we will switch trim for COG. Flick to the page in question and tap the 'Trim' widget. The widget menu appears again, but this time select 'change'

3:25



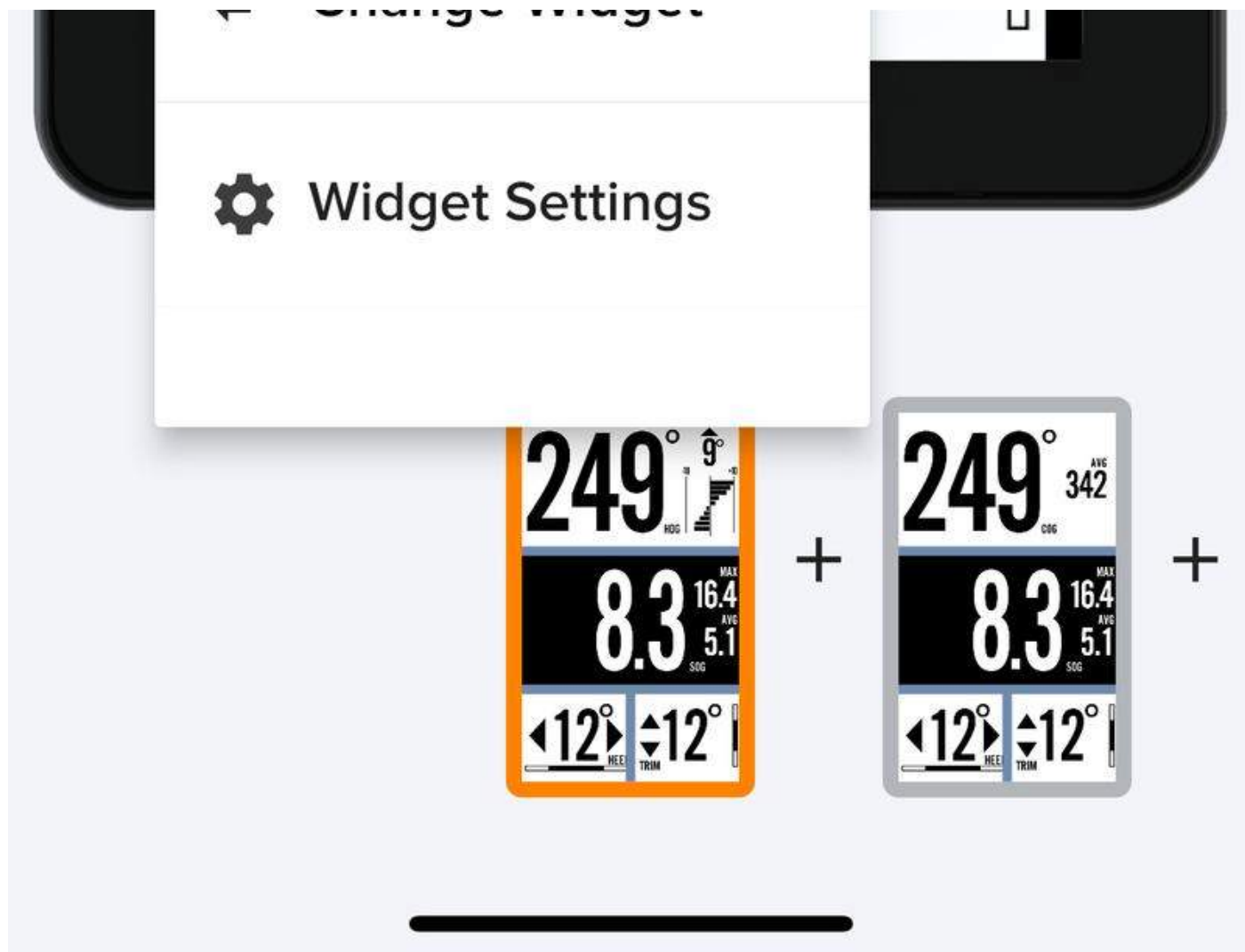
Page 1





image

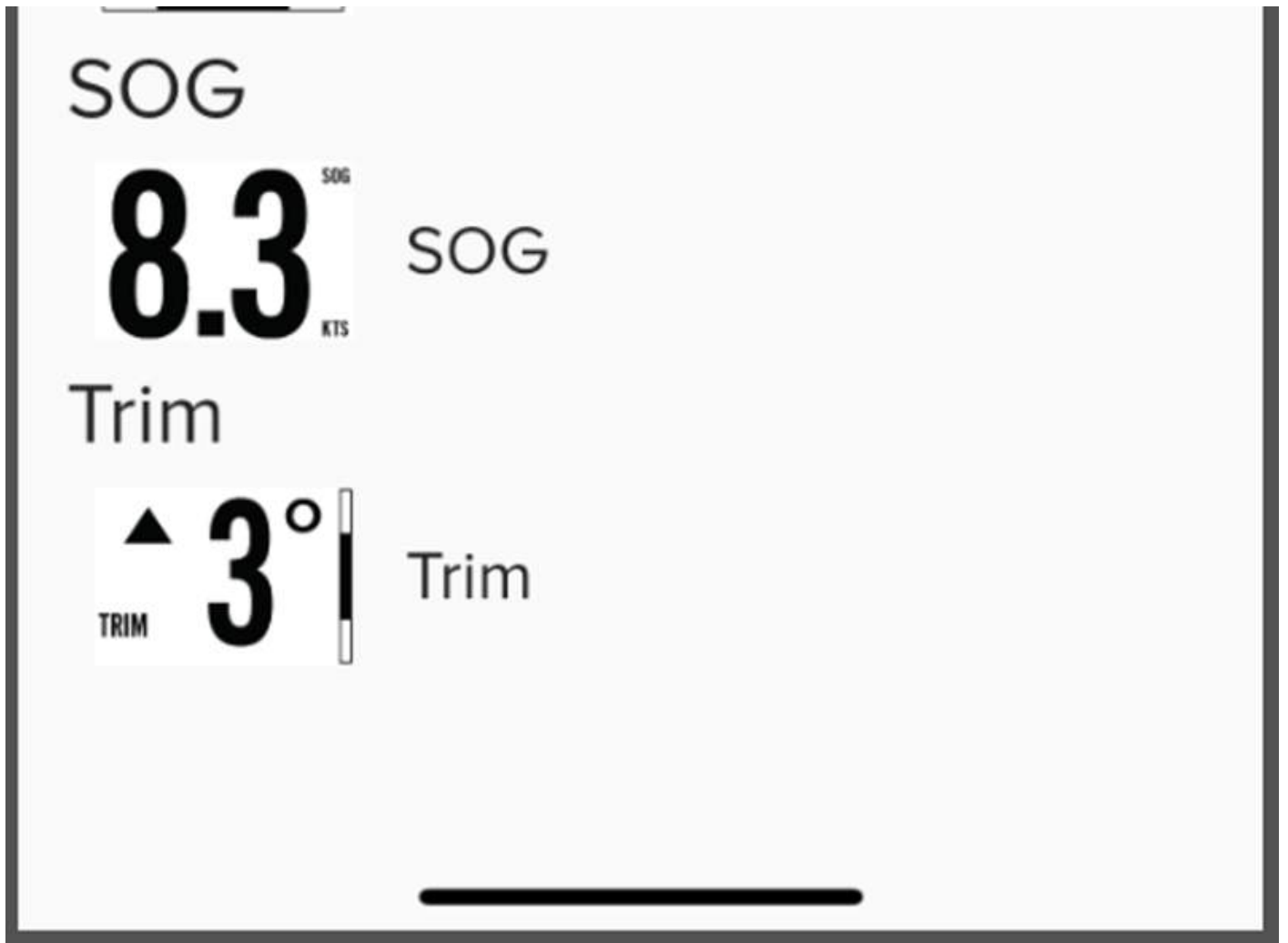




image

Doing so brings up the list of available widgets for that screen position size. Each widget size has its own list. Tap on 'COG' and the page updates to show your choice.





image

You can define your own pages. Tapping on the '+' between the pages allows a newly defined page to be placed there. There are two main types: Pre-made and Custom. Pre-made pages are the foundation of the built in ones. But of course you can modify them. Pressing 'Custom' allows you to start from scratch. There are four frameworks to start from. Pick the basic layout and go!

12:08 ↗

◀ Search



Select a Layout

Pre-Made

Custom

Starting



Graphical Start

Shows a graphical representation of your position to the line.



Numerical Start

Basic starting screen with timer, distance to line (DTL), heading, and SOG.



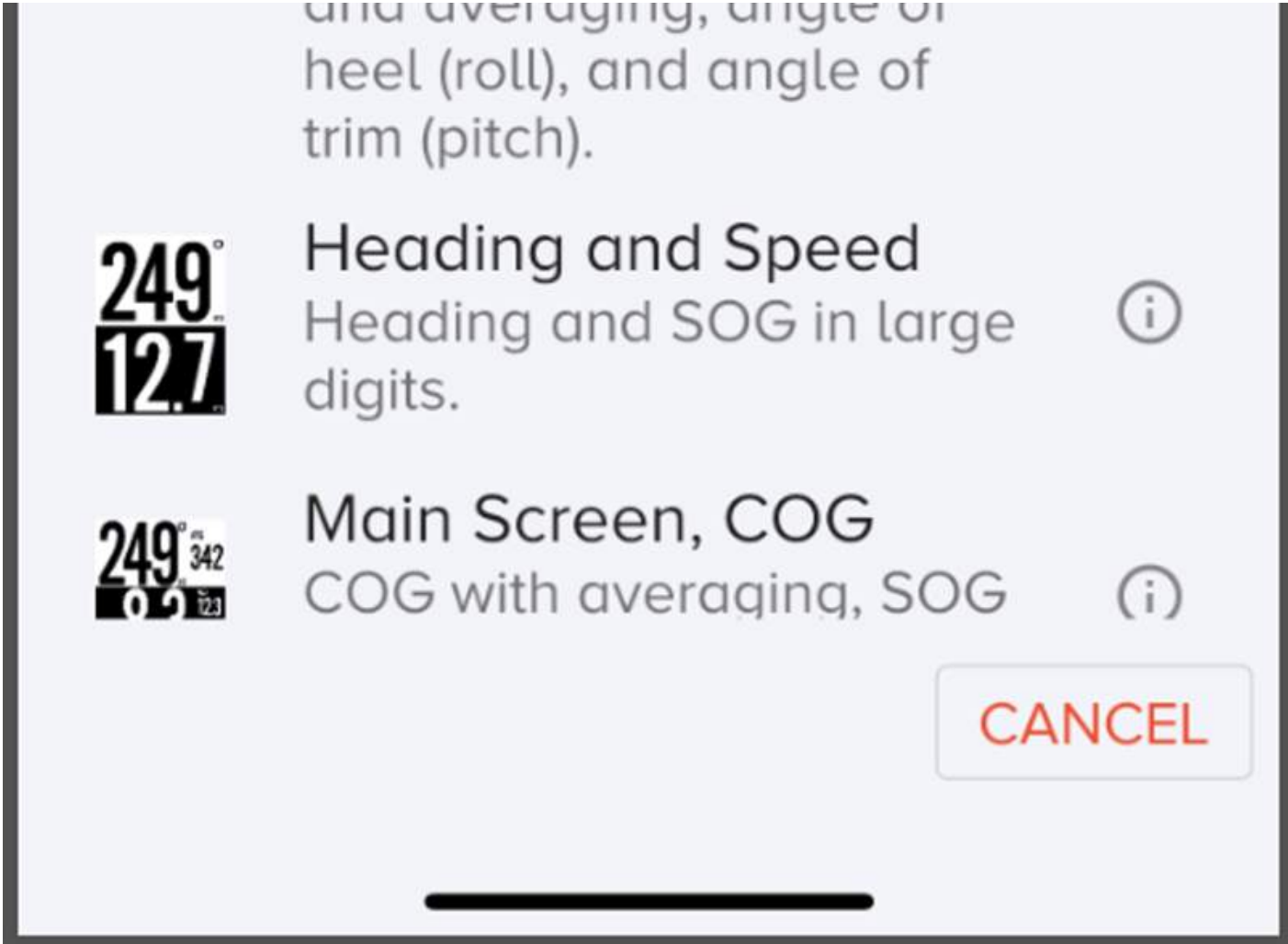
Customizable



Default Heading and SOG

Heading with shift tracking, SOG with max and averaging angle of





image

12:08 ↗



◀ Search

Select a Layout

Pre-Made

Custom



Two Rows

Two rows of equal size. Two widgets



Three Rows A

Three rows, first two are equal size, but take take up more size each. The third row is split in two, allowing for two widgets. Four widgets in total.



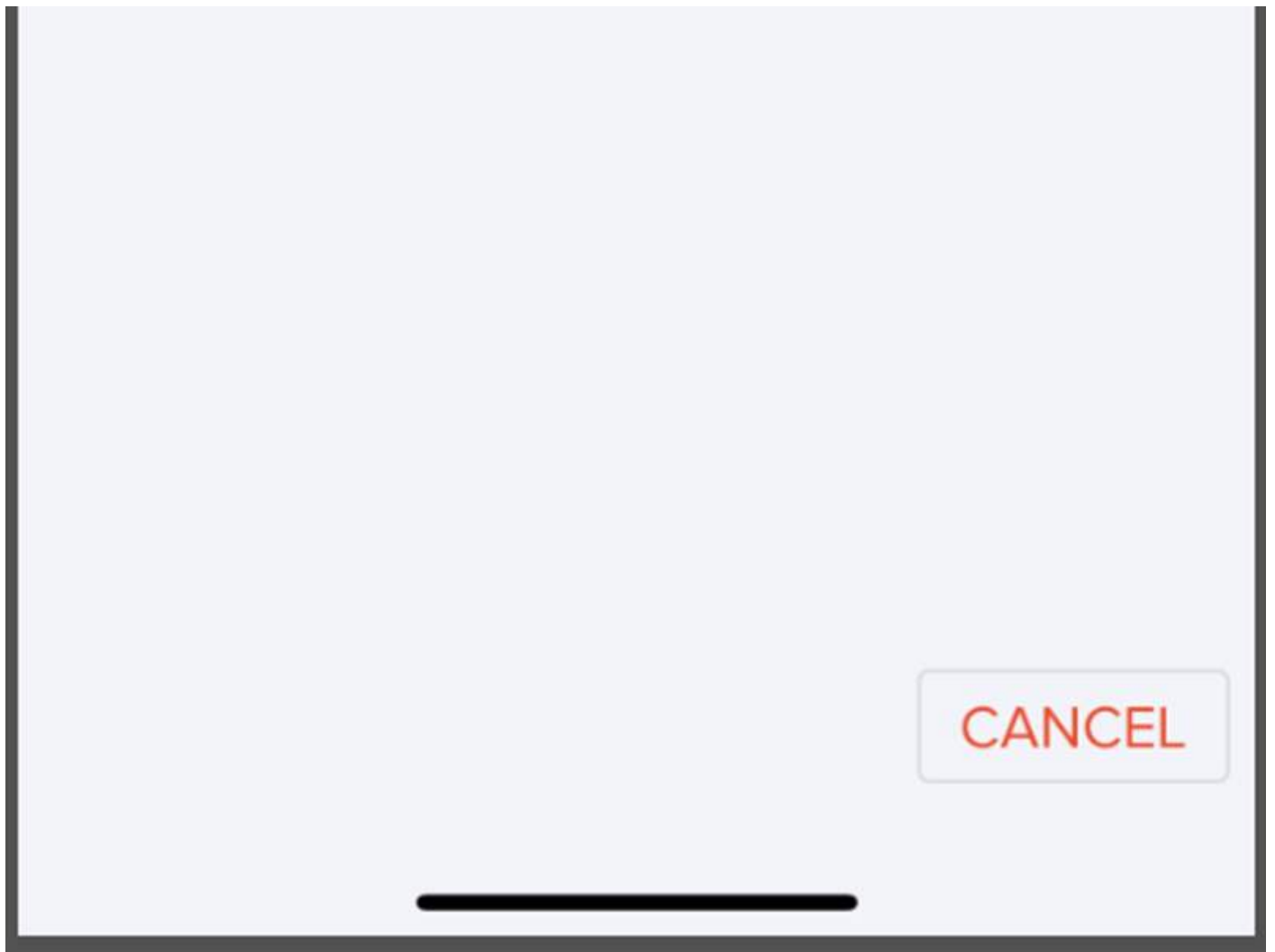
Three Rows B

Same as Three Rows A, except the second and third rows are swapped



Three Rows C

Same as Three Rows A, except that the small widgets are on top



image

After you have made your desired changes go back into your boat profile and press save. To implement these changes make sure your Atlas is turned on and nearby, otherwise the changes you've made won't be saved. Once you press save your Atlas 2 will restart and you will see immediately the changes you've made.

3:45



Edit Profile 'j/70'

INFO



Device Name:	Drew's
Serial Number:	0228003902
Model:	Atlas2,0
RSSI:	-- dB
Boat:	Drew
Profile Name:	j/70
Firmware Version:	0.13.7-stable

Status:**Up To Date**

DISPLAY AND SOUND

**Profile Settings Modified****Save****Cancel**

image

Firmware Updates

The software that runs the Atlas 2 (known as firmware) is constantly evolving, with new features, improved algorithms, and more. Vakaros Connect will let you know when a new version is available, and walk you through the installation process. Updates are installed wirelessly on the Atlas 2, and the whole process only takes about a minute!

Starting Timer

Set minutes to the starting signal, and choose if the Atlas makes countdown sounds.

Start Line/Bow Offset

You can choose whether to use one or not. If you do, select the distance and the units used. When bow offset is used, you will ping the line when the Atlas is on each end of the line so you can sight the Atlas and the line together. The Atlas will account for the measurement between the Atlas and the bow to give you the correct DTL reading.

Backlight

The Atlas 2 has a vision-protecting red backlight, which can be enabled to turn on automatically based on the ambient light level, or manually from the Vakaros Connect app. The backlight also backlights the side buttons, and lightly backlights the LEDs (so you can see which ones are OFF, a key RaceSense feature). Backlight settings are controlled in the profile settings for your Atlas in Vakaros Connect, (Display and Sound → Backlight).

Profiles

Atlas profiles are collections of boat data and settings that can be switched as a unit. That means you can set settings for a J70 racing with a 3 minute rolling clock, and a Star using a 5 minute sequence, and save settings (like bow offset) for each. To switch profiles have your Atlas turned on and nearby → Go into the desired boat profile → Press select profile → Your Atlas will restart and the profile name will appear on the screen.

To name or rename a boat profile scroll all the way to the bottom of your boat profile → Rename Profile → Change default to the boat name you are sailing on.

Clock

Switch timezone, choose a 12 or 24 hour clock.

Orientation Offset

Choose between Upright Mode (default) or Prone Mode (Atlas lying flat). Correct for mounting offset in all three planes (Heel, Trim, and Yaw).

Sound

Control the volume of sounds produced by the Atlas 2. (Boat Profile → Devices → Display and Sound → Sound)

Magnetic Heading

Choose if the compass will display in degrees magnetic or true, and the dampening level.

GPS Heading

Select the amount of dampening for both Speed over Ground (SOG) and Course Over Ground (COG) readings.

IMU Dampening

Select the amount of dampening for both heel and trim.

Extra Features

VMG widget- Our VMG (velocity made good) widget relies on the calculations from our angles feature which takes into account speed and angle to the upwind mark (relying that the upwind mark is set as close to the wind direction as possible). If a boat is sailing too far into the wind, its VMG will decrease because it's losing speed while still trying to shorten the distance to the upwind mark. This will apply going upwind and downwind.



Additional Hardware Features

Additional Hardware Features

Long Life Battery

When you're sailing hard, the last thing you want to have to think about is the battery in your compass. That's why we gave the Atlas 2 the longest battery life in the business, BY FAR. Over 100 hours on a wireless charge. Forget your charging pad? Use any Qi compatible charging pad, like the one you might use for your phone. And if you ever run low, you can get a full day of battery life while charging during breakfast. Even better, we sourced a battery so capable that we could design the Atlas 2 to never drain the battery to near empty, or charge fully. This scheme maximizes the battery longevity of your Atlas 2. You'll never have to worry about it. Ever. One of the ways we ensure the longevity of the battery is by making it so the charging pad will not recognize the Atlas as charging if the battery is above 90%.



image

Dual Waterproof Speakers

Often the Atlas 2 will want to get your attention when you're not looking. And the best way to do that is sound. Lots of it. So the Atlas 2 has a pair of loudspeakers built into the bottom of the case, protected by a clever waterproof membrane. Sound can get out, but water cannot get it. Volume and sounds are customizable in the Connect app, naturally. Look for more sound options in future versions of Vakaros Connect.



image

High Visibility Screen

The 4.4 inch (diagonal) transfective LCD screen is by far the easiest screen to read on the water. It is bonded to the latest generation Gorilla Glass outer screen for maximum protection. While small, the key to its legibility is its very high contrast ratio and high (91) pixel per inch count. By customizing the display layout, we have crews use the Atlas on boats in the 35-50 foot range. And due to its advanced technology, the brighter the sun, the easier the Atlas is to read. Sailing at night? Turn on the backlight with the Vakaros Connect app or enable automatic backlight to turn on when the ambient light drops below a user configurable level.



image



Mounting Bracket

Mounting Bracket



image

In order to mount the Atlas to your boat, you will need to install the included Atlas Mount. The mount can be attached directly to a mast track, bulkhead, or any flat surface using the two provided M4-14 screws or by running the included velcro straps through the holes in the side. The mount can be installed in either orientation, with the release tab facing up or down. Be sure that the release tab will be accessible with the Atlas installed — pulling this tab is the only way to remove the Atlas from the mount.

To attach the Atlas to the mount, first hook the solid end of the mount into one of the slots on the back of the Atlas, then push the Atlas towards the quick-release end of the mount until it clicks securely into place. If you don't hear a click, double check the alignment and try again. To remove the Atlas, press the Atlas gently towards the mount, pull on the quick-release tab, tilt the Atlas away from the mount to remove it.

For maximum mounting security, tie a safety line to the lanyard loop on the bottom right corner of the Atlas. In order to use the magnetic compass, heel, and trim, the Atlas must be mounted to a fixed location on the boat (i.e. not on a boom or rotating mast). Offset angle settings for heel, trim and heading to account for different mount orientations can be set in the Connect App.



icon

A section of mast brackets designed for the Atlas 2 are available in our store. <https://vakaros.com/collections/all>



Care Instructions

Care Instructions

Store the Atlas 2 in its case to avoid scratching the anti-reflective & hydrophobic coating on the glass.

Make sure to power the unit down between uses to protect the longevity of the battery.

Wipe away salt & salty water when finished sailing.

To clean the Atlas 2, use a soft cloth. Dampen cloth with water if necessary.

Don't leave the Atlas 2 outdoors when not in use.

Don't leave the Atlas 2 submerged in water.

Check out this blog post for more info!

How to Take Care of Your Instruments: Three Simple Steps! \\ You hose down the snaps on your jib, roll your sails nice and flat, rinse out blocks, and coil lines nicely to make sure everything is taken care of. Sailors are meticulous, and there's no reason that the same care shouldn't extend to your electronics. Here are three simple tips to keep your instrument dialed in for the long run! 1. Steer Clear of Magnets! The enemy of compasses is the magnet; and many everyday objects are super prone to throwing your A2 out of calibration. Luckily, unlike your Tacktick or most other compasses, the Atlas 2 can be calibrated in the field using the Vakaros Connect app. It's tempting to slip your Atlas into a pocket with a cell phone. But, it's always best to avoid your Atlas coming near speakers, phones, other Atlases, and other strong magnets. One simple way to keep some space between your Atlas's compass and magnets is to always use your carrying case whenever the Atlas is not mounted on your boat. 2. Use the case: it's there for a reason Almost all of us keep our cell phones in cases, and when we're not using them, we wouldn't just throw them in a toolbox or a damp line bag. While the Atlas is built for a tougher marine environment, it comes with a carrying case for a reason: it's always best to replace your Atlas into its case at the end of the day. 3. Ditch the hose-down Yes, the Atlas 2 holds up to spray on the water. No, it isn't best-practice to spray it down with a strong stream of water after sailing. Instead, we prefer to use alcohol wipes to make sure all the nooks and crannies on the Atlas are clean. All this just covers the physical care of an Atlas 2: beyond that, it's always important to keep your firmware up-to-date using Vakaros Connect so that any fixes we roll out will go straight to your device. Curious about any of these tips? Shoot us an email at sales@vakaros.com and we're happy to run through anything in more detail! \\  \\ vakaros.com \\





Troubleshooting

Troubleshooting

The Atlas 2 is designed to be rugged and low maintenance. It is covered by an industry-leading 2-year warranty, and contains no user serviceable parts. If you do encounter any issues, please try the following troubleshooting steps:

Atlas 2 Does Not Show Charging Screen When Placed on Charging Pad:

Your device may simply be fully charged. With a fully charged battery, the Atlas 2 may not respond to the charging pad. This helps extend the longevity of the battery. Keep in mind that it may take 10 or more hours of sailing time for your Atlas 2 to drop below the battery recharge threshold (~90%).

If your battery is not fully charged, double check that your charging pad is connected to a quality wall charger, see if it will charge your phone, or try a different Qi charging pad.

Screen Layout Different than Expected:

The layout of the screen on the Atlas 2 can be customized from the Vakaros Connect app. Navigate to your boat, then select the Atlas 2 and click on the Display Layout option to customize the screen. You can also perform a factory reset from the devices tab within Vakaros Connect.

Unable to Access Features within Vakaros Connect:

Make sure both your Vakaros Connect app and Atlas 2 firmware are up to date.

If the troubleshooting steps above fail to correct the problem, or if you have any questions about setting up your Atlas 2, please contact Vakaros technical support for more assistance at support@vakaros.com.

Invalidating Your Warranty →



Warranty Do's and Don'ts

The Atlas 2 carries a limited 2-year warranty covering manufacturing defects. Listed here are actions that invalidate, or are not covered by, the warranty:

- **Cracked screens** - cracks, fractures, and chips in the glass are not covered by the warranty as they compromise the device. Due to the way the Atlas is bonded together, they are unable to be taken apart in order to replace the screen.
- **Excessive wear/abrasion on the enclosure** - Atlas 2 enclosures are made to withstand the harsh marine environment. That being said, they are not impervious to damage. If mounted where high powered lines are pressing or rubbing against it, the enclosure can experience excessive abrasion which can greatly impact the integrity of the seals. Please make sure that when mounted, your Atlas is free of lines and cleats. We recommend the use of a protective case and/or a mounting bracket that allows the lines to run free of the Atlas. You can find a link to our mounts, brackets, and cases [here](#):



- **Dismantling the Atlas** - Please don't attempt to dismantle your Atlas, doing so will fully null and void your warranty
- **Purchasing a Used/Second Hand Unit** - The warranty is non-transferrable and only extends to units purchased brand new.