Wetfeet Tracker – User Guide

Overview

Wetfeet Tracker shows where every boat is, live, on a map. Use it to follow races and training days, to share a live link with spectators, to replay races afterwards with the results, and to keep track of rental boats in a continuous event. A panic button on board is a helpful extra.

The **Apple Watch** is the main device: every boat carries one, running the tracker app. Crews **without an Apple Watch** can use the **iPhone app** instead: the same app and the same screens, a bonus so that nobody is left out. Organizers follow all boats on a web page.

Who	Uses	For
Crew member (one per boat)	Watch app (iPhone app if there is no watch)	Tracking the boat, getting a warning when the boat leaves the course area, sending a panic alert if needed
Viewer (anyone with an event's public link)	Web page, map only, no login	Watching one event live, measuring distances and placing marks
Organizer	Admin web page	Live map, replay and results, setting up events, boats, logins and the course area, handling alerts

How it works. The watch (or the iPhone app) records its GPS position every 15 seconds and uploads it. With no connection, the watch keeps the points and uploads them when the connection returns. The web page updates live. A panic alert appears on the web page within seconds. If a crew member switches on Share heart rate, their heart rate is sent too.

Requirements. An Apple Watch with watchOS 10 or later. A cellular watch is best. Otherwise the paired iPhone must be on the boat (in a waterproof case) so the watch has a connection. Without a watch: an iPhone with iOS 17 or later, in a waterproof pouch, charged, with Location allowed. A login tracks on one device at a time.

Getting started

Signing up

1. Open the website and click **Start free**.
2. Enter the name of your club or company, your email address and a password of at least 8 characters, accept the terms and click **Create account**.
3. Open the email we send you and click the confirmation link. The link opens the admin page, where your organization is created automatically and you become its **owner**.
4. From there follow "Setting up an event": event, boats, watch logins.

Organizations, roles and number of boats

Everything belongs to an **organization** (a club, company or association). Organizations never see each other's data.

Role	May
Owner	Everything inside their organization. Invites and removes admins, and gives or takes admin rights in the **Role** column of the Team tab. The person who signed up is the owner.
Admin	Manages the events, boats, alerts and crew logins of the organization.
Crew	The watch of one boat. A login belongs to exactly one organization.

Every organization can use **one boat free of charge**, forever. Each further boat costs EUR 3.99 per month. The number of organizers does not count: have as many owners, admins and viewers as you like. When the organization has reached the number of boats in its plan, you see "Boat limit reached" when you add a boat.

Watch app (for crews)

Start tracking before you leave the dock, and keep it running until you are back. The watch can sleep; tracking continues.

Installing the app

Install **Wetfeet Tracker** from the App Store: scan the QR code on the Wetfeet Tracker website (or open the link under it) with the iPhone camera, or search for "WetFeet Tracker" in the App Store, and tap **Get**. The app appears on the Apple Watch paired with that iPhone.

iPhone app (for crews without an Apple Watch)

The iPhone app is the same app as the watch app: the same two pages (control and data), the same Start and Stop (with the safety question), the same panic bar (hold it for 2 seconds), the same course area warning and the same upload queue. It has no heart rate. Install it from the App Store like the watch app and sign in with the login of your boat.

- **The watch is better.** If an Apple Watch is paired with the iPhone, the iPhone app says so with a banner above Start (or tells you how to install the watch app), and when you tap **Start** it asks "Track with the watch instead?". You can always choose to track with the iPhone, and tick "do not ask again". The watch keeps tracking with the screen off, works with wet hands and needs no waterproof pouch.
- Tap **Start** and allow **Location** when the iPhone asks (**While Using the App** is enough). While tracking runs, the iPhone keeps sending positions with the screen locked or another app open; a blue pill or bar at the top shows that the location is in use. The screen stays on while tracking so you can read it. Plug the phone in or bring a power bank for long days.
- Put the iPhone in a waterproof pouch. The touch screen does not work well wet: that is why the panic bar needs a long hold.
- Warnings buzz the phone (a longer vibration for panic and for leaving the course area).

One device per login

A login can track on **one device at a time**: the Apple Watch or the iPhone, not both. Both devices can stay signed in: signing in on the iPhone does not interrupt a watch that is tracking. The device that taps **Start** takes over the login. The other one stops tracking the next time it tries to send positions and shows "This login is now used on another device. Tap Start to use this device instead." It stays signed in, so nobody has to type the password again, and the positions it still had queued are sent after its next Start. A panic alert is never blocked by this rule. To switch from the watch to the iPhone (a flat battery, a lost watch), just tap Start on the iPhone. Signing out on a device frees the login.

First time: sign in

1. Open the **Wetfeet Tracker** app on the watch.
2. Enter the email and password the organizer gave you (dictation or Scribble works for typing). The login is saved; you sign in only once.

3. The boat name and sail number appear at the top, for example "Boat 1 · HUN 1". If you see "No boat assigned to this account", ask the organizer to pair your login with a boat.

Start tracking

1. Tap **Start**. The first time, allow **Health** and **Location** (choose "Allow While Using App").
2. Wait for "GPS ±N m" to appear. Outdoors, the first fix can take up to a minute. Indoors it may never come.
3. Leave the app running. Do not force-quit it, and do not tap Stop during the event.

If you refused Location or Health the first time, you do not need to reinstall the app. The start screen then shows **Permissions needed**, tells you exactly where to switch the permission on again (watch Settings → Privacy & Security → Location Services for Location, the iPhone's Health app → Apps for Health) and has a **Check again** button.

Reading the screen

Line	Meaning
Queued: N	Positions waiting to upload. It should drop back to 0 when the watch is online.
Last upload	Time of the last successful upload.
GPS ±N m	Current GPS accuracy. Smaller is better.
Red text	An error. Common ones are listed under Troubleshooting.

While tracking runs, the watch has **two pages**; swipe sideways to change between them (the dots at the bottom show which one is open).

- **Page 1, the control page:** a large stopwatch at the very top (mm:ss, then h:mm:ss after the first hour, counting from the moment you tapped Start), then the boat name and heart rate, then "Q" (positions waiting to upload) and the GPS accuracy, the big red **panic bar** and, small at the bottom, **Stop** (it asks first). The Digital Crown is free for the panic bar here.
- **Page 2, the data page:** the **time**, your **speed** (knots; tap it to switch to km/h) and your **course**, all in very large digits that use the whole screen, in degrees with the compass point, for example "245° SW". At the bottom, in one small line, a **dot for the upload status** (green: uploaded within the last minute; orange: the last upload is older than a minute; red: the upload failed, with the reason in red below; gray: nothing has been sent yet) followed by the number of waiting positions, the GPS accuracy and the heart rate. The big number is the **stopwatch** (time since you tapped Start). Tap it to see the clock time of day for ten seconds (labeled "TIME OF DAY"); it then returns to the stopwatch by itself. A running or answered panic alert and the "out of course area" warning are shown on this page too. The course is shown only while the boat moves (a GPS course is not available when it hardly moves).

Sign out and the heart rate switch are on the start screen, before you tap Start.

Heart rate (optional)

While tracking, the watch shows your heart rate (♥ and beats per minute) under the Start/Stop button. The **Share heart rate** switch below it is **off** by default.

- Switch it on only if you agree that the organizers see your heart rate during the event. They see it on their map and tables; nobody else does.
- You can switch it off again at any time. The watch then stops sending it.
- The first time you tap Start, the Health permission asks for heart rate access. If you deny it, the watch shows no heart rate.

Without a connection

Positions are stored on the watch and uploaded automatically when the connection returns, so the track is complete but delayed. The watch can hold about 28 hours of positions.

Finish

Tap **Stop** when you are back. The watch asks "Stop tracking?" first, so a tap by accident cannot end the tracking during a race: choose **Stop tracking** to finish, or **Keep tracking** to carry on. The watch sends the remaining positions and saves a sailing workout in the Health app. **Sign out** appears only while tracking is stopped.

Battery

GPS, cellular and a workout session drain the battery quickly. Expect roughly 4–7 hours on standard models; Ultra lasts longer. This is an estimate, so test your watch for the length of your event. Start with a full charge.

Cruise mode (trips of several days)

For a cruise or a multi-day trip switch on **Cruise mode** on the start screen, before you tap Start. The app then stores **one position a minute**, or earlier when the speed changes by more than 10 % or the course by more than 18° (10 % of a half turn). It asks the GPS for ten metres accuracy instead of the best possible, and uploads every two minutes instead of every few seconds. There is no time limit. The queue keeps up to about 14 days of positions while there is no connection.

What to expect: the data is small (at most about 1,400 positions a day), but the **battery is the limit**. A watch will not last several days of GPS: use an **iPhone that is charging on board** (a 12 V or USB socket and a waterproof case), or a charging watch cable. The track on the map has fewer points, and the replay is a little less smooth. The organizers' page does not call a boat in cruise mode "stale" until 15 minutes without a position (the device shows "cruise" next to the boat). Turn the mode off again for racing and normal days. The panic button works exactly as always.

Panic button

Hold the red **HOLD FOR PANIC** button for 2 seconds to send an alert to the organizers. The alert includes your boat and its last GPS position. For a life-threatening emergency, always use VHF or call emergency services too; the app does not replace them.

Sending an alert

1. Press and hold the red button. A red bar fills it and the text changes to "KEEP HOLDING...". The watch buzzes when you press and again when the alert fires.
2. If you let go early, nothing is sent. This prevents accidental alerts from waves and wet hands.
3. The watch retries every 2 seconds until the server has stored the alert, even with a weak connection. If the app restarts in the meantime, it keeps retrying.

Other ways to send the alert

The red button needs the touchscreen. Two more ways work without it:

- **Digital Crown (all Apple Watch models):** while tracking, the screen shows the same red **HOLD OR TURN: PANIC** bar. Instead of holding it, turn the crown about one turn to fill the bar and send the alert. The bar empties again after 4 seconds without turning.
- **Action button (Apple Watch Ultra only):** once, in the watch Settings → Action Button, choose **Action: Workout** and **App: Wetfeet Tracker**. The first press starts tracking. While tracking runs, press the button once (the watch buzzes and shows "PRESS ACTION BUTTON AGAIN"), then press it again within 5 seconds to send the alert. A single accidental press does nothing.

Whether the crown and the Action button work with Water Lock switched on can depend on the watch and the watchOS version. Test it on your own watch before the event. Holding the Action button may start the Apple siren, which is separate from this app.

What the watch shows

Banner	Meaning	What you can do
SENDING ALERT... (orange)	The alert is not stored yet. The watch keeps retrying.	Keep the watch on. Tap **Cancel false alarm** if needed.
ALERT SENT (green)	Organizers are notified. The watch buzzes.	Wait. You can still cancel a false alarm.
ACKNOWLEDGED (green)	An organizer has seen the alert and is responding. The watch buzzes.	Follow their instructions. Cancelling is no longer possible. If the situation gets worse, the panic controls are still shown below the banner: send a new alert.
ALERT RESOLVED	An organizer closed the alert.	Tap **OK**.
ALERT CANCELLED	The alert was cancelled.	Tap **OK**.

The red button is greyed out until the boat has loaded after sign-in.

Cancelling a false alarm

Tap **Cancel false alarm** while the banner says SENDING or SENT. After an organizer acknowledges the alert, you cannot cancel it on the watch; tell the organizers directly.

Position in the alert

The alert uses the latest GPS fix. If tracking is not running, or there is no fix yet, the alert may arrive without a position. Start tracking before you leave the dock.

Course area warning

If the organizers drew a course area for your event, the watch warns you when the boat leaves it. You do not have to do anything to turn this on.

1. After **two GPS fixes in a row outside** the area (about 30 seconds), the watch buzzes and shows a purple banner: "OUT OF COURSE AREA" with the distance to the boundary, for example "120 m outside. Return to the course."
2. While you stay outside, the watch buzzes again every 20 seconds.
3. After **two fixes in a row back inside**, the watch gives a short success buzz and the banner disappears.

Good to know:

- The watch downloads the area when you sign in or start, and refreshes it every 5 minutes. It keeps the last copy, so the warning also works offline.
- Fixes with an accuracy worse than 50 m are ignored, so a single GPS jump does not trigger the warning.
- The warning works only while tracking is running. If no area is set for your event, there is no warning.
- The organizers also see on their map that your boat is outside.

Admin web page (for organizers)

The admin page shows every boat live and is where you handle panic alerts. It updates by itself; you do not need to reload it.

Signing in

Open the page (the owner of your organization gives you the address). Without logging in you only see the live map of an event, and only if you open that event's public link (see the next section). Click **Login** in the top right and sign in with your organizer account to get the tabs below. If you sign in and still only see the map, your account is not an admin account. A crew login (the watch login of a boat) shows "(crew)" after the email and gets the live map of its own event, with the other boats, the course and the replay, but no admin tabs. "(viewer)" means the account has no organization yet. Ask the owner of your organization.

The top bar shows the connection status ("live" means updates arrive in real time), your email, **Refresh** and **Sign out**.

The tabs

Tab	What it shows
Home	Where you start. A **Get started** list guides a new organization step by step (create an event, add boats, give each boat a login, install the app, optionally draw the course area and share the link); each step ticks itself off and has a button that takes you to the right place. When the basics are done, Home shows an overview: open alerts, boats reporting now, active events and the latest position, with quick actions.
Map	All boats on a map (OpenStreetMap with OpenSeaMap sea marks), with trails and the course area. The **Tools** button folds out the rarely used tools (rotate, measure, marks, course marks, edit course area).
Alerts	Panic alerts, newest first, with buttons to acknowledge, resolve and delete. A red badge counts open alerts.
Events	Your events (races and fleets): create, rename, set the start, the end and the status, delete
Boats	Boats: **+ Add a boat** creates the boat and the crew's login in one step; edit name, sail number and class, choose the event, pair a login. The **Device** column shows what each boat tracks with: **Watch**, or **iPhone** in amber (an Apple Watch is recommended; you can ask the crew to switch)
Team	The people: create or invite organizers (admins) and crew logins, edit the email, set a password, change the role, delete
Settings	Owners only: the organization name, **Plan and billing** and **Data retention**
Live boats, Positions	Raw data. They are folded away behind **More ▾** at the right of the tabs: one row per boat (with its device), and the latest 200 GPS points. You rarely need them.

Reading the map

Marker	Meaning
The boat's own color	Every boat has its own color for its marker and its track, so boats are easy to tell apart. The arrow shows the course.
Faded	No fix for more than 60 seconds. Check the watch's connection and battery.
Red ring, red label ending "· OUT"	Outside the course area of its event. The red bar above the map names the boat and a short beep sounds (see below)
Red, pulsing	Open panic alert

If a boat has several states, the order is panic alert, outside the area, then faded. Click a marker to see its last fix, class, speed, course, battery and, when the crew shares it, heart rate. The popup also has a **Show track** box: untick it to hide the track of that one boat. Your choice is remembered in this browser.

Zone alert. When a boat leaves the course area of its event, a red bar appears above the map ("Outside the course area: boat name") and a short triple beep sounds. Click the boat's name in the bar to zoom to it. The beep repeats every 30 seconds while the boat is outside; press **Mute sound** in the bar to stop it for the boats that are outside now. When a boat comes back and leaves again, the beep sounds again. Boats that are already outside when you open the page show the bar but stay quiet. The browser allows sound only after one click on the page (the **Turn sound on** button shows when it is still locked). Viewers and crew logins do not get the zone alert. It works only while the admin page is open and only for events that have a course area.

Map controls

On a phone the tabs are a bar at the bottom of the screen (Home, Map, Alerts, Events, Boats, Team), and Guide, Password and Sign out are in the ☰ menu at the top. The Alerts tab keeps its red badge.

Control	What it does
Event drop-down	Chooses the event used by **Fit event** and by **Edit course area**. "All events" covers everything. The map always shows all boats.
Fit event	Zooms to the boats and course area of the chosen event only
Trails	Shows the last 15 minutes of each boat's track in the boat's color. This box switches all tracks; single tracks are switched in the boat's popup.
▶ Replay	Plays the chosen event back afterwards, with results (see Replay and results)
Classes	One tick box per boat class, in the bar under the map controls. Untick a class to hide its boats and trails; **All** and **None** switch every class at once. Boats without a class are always shown, and so is any boat with an open panic alert. Your choice is remembered in this browser.
↺ and ↻	Rotate the map 15° counter-clockwise or clockwise
N ↑	Turns the map back so north is up. While the map is rotated it shows the angle.

Control	What it does
🚩 Course marks	Organizers only: places shared buoys and start/finish line ends for the chosen event (see Setting up an event)

On a touch screen, turn the map with two fingers. With a mouse, hold Shift and scroll the wheel to rotate in 5° steps. Boat arrows keep pointing the right way on a rotated map. The map does not jump while you pan and zoom.

Handling a panic alert

1. A new alert sounds a siren (about 3 seconds), repeated every 10 seconds until someone acknowledges it. It also switches the page to the **Alerts** tab and makes the boat pulse red on the map. Browsers block sound until the page has been clicked once: if you see the 🔔 **Turn sound on** button in the top bar, click it (or click anywhere on the page) and it disappears. Keep the tab open and the volume up.
2. Read the boat, time and position in the alert row. Click the boat's marker on the map for its speed and course.
3. Click **Acknowledge** as soon as someone is responding. The crew's watch then shows ACKNOWLEDGED.
4. When the situation is over, click **Resolve**. The crew's watch shows ALERT RESOLVED.

The position in an alert is the boat's last GPS fix, which can be a few seconds old. A crew can send a new alert even after you acknowledged the first one, for example when the situation gets worse; the new alert rings and shows up as a new row, so resolve each one separately. A crew can cancel a false alarm until you acknowledge it; the alert then shows as cancelled.

Deleting alerts

Click **Delete** in an alert's row to remove it permanently, for example after a test. **Delete resolved and cancelled alerts**, above the table, clears all closed alerts at once and keeps the open ones. If you delete an alert that a crew's watch is still following, the watch shows ALERT CANCELLED.

Replay and results

Play an event back afterwards, as often as you like. The positions of every boat are stored, so races recorded earlier can be replayed too.

1. On the Map tab choose the event in the drop-down next to the map controls and click ▶ **Replay**. Viewers with an event's public link click ▶ **Replay** too.
2. Press ▶ to play, ⏸ to pause and ⏮ to go back to the beginning. Drag the time bar to any moment. **Speed** plays 1× to 300× faster than real time. **To the start** jumps to one minute before the start (when the start line is set).
3. Each boat is shown in its own color with an arrow for its course and a label with its name, **speed in knots** and **course in degrees** (choose "name only" under **Labels** for a quieter map). **Tail** chooses how much of the track behind each boat is drawn: none, 2, 5, 15 or 30 minutes, 1, 2, 4 or 8 hours, or the whole track. Click a boat for its details at that moment: speed in knots and km/h, course, and position in decimal degrees and in degrees and minutes.
4. The clock shows the time of day and, once the start line is set, the **race time** (negative before the start, for example -1:00).

5. For organizers the time bar shows a red **!** for every panic alert; click it to jump there. The boat flashes red for a minute from the alert, and the place of the alert is marked on the map. Boats outside the course area get a red ring. Viewers never see alerts or the outside-the-area flag.
6. The class filter works in the replay as on the live map. **✕ Back to live** returns to the live map.

Results. Click 🏁 **Results** for a table with the position (order of arrival within each class), start time, finish time, race time, gap to the first boat, distance sailed (nautical miles), average speed and top speed (knots). The results use the course marks: two **Start line end** marks and two **Finish line end** marks (see Setting up an event). The start is the last crossing of the start line before the course turns (the farthest point from the start line); the finish is the first crossing of the finish line after that. Without a start line you get only distance and top speed for the whole track. **Results CSV** (for a spreadsheet), **Tracks CSV** (all positions) and **Tracks GPX** (for other sailing programs) download the data.

Days and sessions. When the event has recorded positions, a **Day / session** list appears at the top of the replay bar. It shows every day that has data, newest first, with the sessions of that day (a session is a stretch of tracking with no break longer than two hours) and how many boats were out. Pick **Whole day** or one session to play back just that part; **Whole event** (races) goes back to everything.

Full screen map. The map and its controls are as tall as the screen: scroll down until they meet the top of the window, or press **Full screen** in the map bar.

Fleets (continuous events). A fleet has no end, so you choose the **period** to replay. The replay bar has a **Period** row: the quick buttons **Today**, **Yesterday** and **Last 7 days**, a **Day** box for any single day, and **from** and **to** boxes with **Show** for any period of up to 31 days. The first replay opens with today. If nothing was recorded in the chosen period the bar says so; just choose another one. There is no race clock and no results table for a fleet. Everyone who may replay the event (organizers, viewers with the link, the crew) gets the same period chooser.

The replay is as good as the GPS positions. A watch without a connection delivers its points later, with the correct time, so the replay is complete once the watch has uploaded everything. Very long events are thinned out (every n-th position).

Plan and billing (owners)

On the **Settings** tab the owner finds the **Plan and billing** box: it shows the boats in use and allowed, and the subscription. The first boat is free. For more boats choose the number of **paid boats** and press **Subscribe**: you pay on the secure Stripe page (the price per boat per month is shown there; Stripe holds the card data, we never see it). After the payment the new boats are available within a minute. **Manage subscription** opens the Stripe customer portal, where you change the number of boats, cancel, change the card and download invoices. If a renewal payment fails, the box shows **PAYMENT FAILED** with a date: everything keeps working while Stripe retries the card, so update the card in time. When a subscription ends, or you reduce the number of paid boats, you have a **14-day grace period** with all your boats. The box shows the date. After that the **newest boats beyond your plan are paused**: the oldest boats (the first boat is free) keep sending positions, the paused boats do not (their watch shows that the boat is paused), nothing is deleted, and **panic alerts always work**. After a failed payment that ends in a cancellation, the pause starts when the payment grace period ends. You can end the pause at once by subscribing for more boats or by deleting boats you do not need. Only the owner sees this box.

Data retention

The positions of a **race** are kept until you delete the event (or, if you wish, for a number of days). The positions of a **fleet** (a continuous event, such as a rental) would pile up for ever, so they are thinned out and deleted automatically:

- every position (about every 15 seconds) is kept for **30 days**,
- after that only **one position per minute** is kept, until **365 days** in total,
- then the positions are deleted (and so are the alerts of that fleet).

Owners can change the periods on the **Settings** tab, in the **Data retention** box: the days at full resolution, the days in total, and optionally the number of days to keep races (empty = until the event is deleted). The box also shows how many positions are stored and about how many megabytes. The plan sets the ceiling: the free plan allows at most 14 days at full resolution and 90 days in total; paid plans and unlimited organizations up to 90 and 730 days. Superadmins change the values of any organization on the **Organizations** tab. A nightly job applies the rules. The replay of a thinned period is still smooth (one position a minute); what has been deleted cannot be replayed.

In a fleet, the watch also saves data: while a boat hardly moves (the dock, the beach), it stores only one position every 30 seconds, and returns to the full rate as soon as the boat moves. Races always use the full rate.

Viewer page and map tools

The page shows a read-only map of one event to anyone who has that event's public link, without logging in. Organizers use the **Login** button in the top right corner to get the admin tabs.

What viewers see

- Only the **map** of one event, opened with that event's **public link**: the page address followed by `?e=` and a long random code (Events tab, **Public link** column). Every event has its own link. Without the link, or with an old or wrong one, the page shows nothing.
- Organizers create the link (**Create public link**), copy it (**Copy**), replace it (**New link**, the old link then stops working) or switch it off (**Disable**). New events have no link until you create one.
- For each boat: name, sail number, class, position, speed, course and a short trail. The course area and the shared course marks (buoys, start and finish line) are drawn too. The page refreshes every 5 seconds.
- The viewer map updates every 10 seconds. It pauses while the page is in the background (another tab, a locked phone) and refreshes at once when you come back.
- ▶ **Replay** plays the event back afterwards with speed and course of every boat, and the results table (start and finish times, order of arrival, distance, speeds) with downloads. Panic alerts are not part of the viewer replay.
- Never shown to viewers: heart rate, battery, panic alerts, the "outside the area" flag, logins and emails.

Measuring

1. Click **Measure**.
2. Click points on the map. You can also click a boat or a mark to use its position, for example to measure from a boat to a buoy.
3. Each leg shows its distance and true bearing, and the bar above the map shows the total in nautical miles and kilometres.
4. **Undo point** removes the last point, **Clear** removes the line, and **Done** leaves the measuring mode.

Marks

1. Click **Marks**, then click the map and give the mark a name.
2. Drag a mark to move it. Right-click it, or open it and press **Delete mark**, to remove it. **Delete all marks** removes every mark.
3. Click a mark to see its position in decimal degrees and in degrees and minutes.

Marks are saved in your own browser only. Other people do not see them, and they are gone if you clear the browser data. Viewers can also switch boat classes on and off (the **Classes** bar under the map controls). Marks, measuring and the class filter work the same way for viewers and for organizers.

Setting up an event

Do these steps in order on the admin page. Everything is done with forms and tables; no database work is needed. In every table, a text box saves when you press Enter or click elsewhere.

1. Create the event (Events tab)

Enter a name and choose the **type**: **Race (from – to)** for a race, a regatta or a training with a start and an end, or **Fleet (continuous)** for equipment that is in use all the time, for example a rental fleet. For a race you can enter the start and the end time. Then click **Add**. A race with dates has an **automatic** status: *planned* before the start, *active* until the end and *finished* afterwards. Without dates, and for a fleet, you set the status by hand (a fleet is *active* until you close it, then it shows *closed*). The type, the start and the end can be changed in the table later, and so can the name. Results and the race clock are for races; for a fleet you choose the period of the replay (see Replay and results). Click **Create public link** in the Events table if viewers should see the event, copy the link and send it to them. Anyone who has the link can watch the live map, so share it only with the right people. **New link** or **Disable** ends that access.

2. Add the boats and their logins (Boats tab)

Click **+ Add a boat**. One dialog does everything:

1. Enter the **boat name**, the **sail number** and the **class** if you use classes (for example "ILCA 7" or "Optimist"; the box suggests the classes you already used), and choose the **event**.
2. Under **Login for the crew** choose what you need: **Create a login now** (recommended: enter an e-mail, which does not need to be a real mailbox, and keep or change the suggested password; ↻ suggests another one), **Invite by e-mail** (the crew member gets a link and chooses a password), **Use an existing login**, or **Later**.
3. Click **Add the boat**. The boat, its login and the pairing are created together. With a new login the dialog shows the e-mail and password: copy them and give them to the crew. They type them once on the watch. The password is not shown again.

If a boat has no login yet, the **Watch login** column of the Boats table has a **+ New** button that creates one. In the table you can also edit the **Name**, **Sail no.** and **Class**, change the **Color** (new boats get a different color automatically) and pick another login with the drop-down. Classes are matched without regard to capital letters, so "ilca 7" and "ILCA 7" form one group. **Set password** (Team tab) changes a password and **Delete** removes a login (its boat stays). One login belongs to one boat, and a boat without a login cannot send positions. Every organization starts with one free boat; each further boat needs a paid boat (see "Getting started").

3. Organizers and admins (Team tab)

Crew logins are created with the boats. On the **Team** tab you add the people who use the admin page: type the e-mail address, choose the role (**admin**) and tick **invite by email** so the person chooses their own password. The organization name, the plan and billing and the data retention are on the **Settings** tab (owners).

4. Draw the course area (Map tab)

1. Choose the event in the drop-down next to the map controls and click **Edit course area**.
2. Click the map to place corners. You need at least 3.
3. Drag a corner to move it. Right-click a corner to remove it. **Undo point** removes the last corner.
4. Click **Save area**. **Cancel** discards your changes and **Remove area** deletes the area, so watches stop warning.

The area shows as an orange dashed outline. Each event has its own area, and watches pick up changes within 5 minutes. For a long course, draw a long, narrow polygon.

5. Place the course marks (Map tab)

1. Choose the event in the drop-down next to the map controls, click 🚩 **Course marks**, and pick the kind: **Buoy / mark**, **Start line end** or **Finish line end**.
2. Click the map to place a mark and give it a name. Everybody sees the marks: viewers, organizers and, in the data, the crews of that event.
3. While the tool is on, drag a mark to move it. Click a mark to rename or delete it. Click **Done** when finished.
4. For an exact position, click the mark (it also works without the tool) and choose **Edit position**: type the latitude and longitude and click **Save position**. Both decimal degrees (`46.95123`, `17.953210`) and degrees with decimal minutes (`46°57.074'N`, `17°57.193'E`) are accepted, as is `N 46 57.074`. The popup always shows both forms. Every end of a start or finish line is a mark of its own, so each end has its own coordinates.
5. Two start line ends are joined by a green line, two finish line ends by a black dashed line. Only the first two ends of each kind form a line.

Course marks are shared with everybody. The marks in the **Marks** tool, in contrast, are private to your browser. You can click a course mark while measuring to measure from or to it.

Deleting

- Deleting an **event** also deletes its boats, positions and alerts. The page asks you to confirm.
- Deleting a **boat** deletes its positions and alerts.
- Deleting a **login** keeps the boat.
- Deleting an **event** also deletes its course marks.

Event day checklist

Organizers, before the event

- ☐ The event exists, its status is *active*, and every boat has a paired watch login.
- ☐ The course area is drawn and saved for the event.
- ☐ The admin page is open, shows "live" in the top bar, and you have clicked it once so alerts can beep.
- ☐ Someone is assigned to watch the Alerts tab, and knows how to acknowledge and resolve.
- ☐ Every crew has done a test: their boat appears on the map with a recent fix. Delete the test alerts afterwards.
- ☐ Crews know that only admins can see the heart rate, and that sharing it is their own choice.
- ☐ A backup way to reach the crews (VHF or phone) is agreed. The app does not replace it.

Crews, before leaving the dock

- ☐ The watch is fully charged and has a connection (cellular, or the iPhone in a waterproof case on the boat).
- ☐ No watch? The iPhone is fully charged (bring a power bank), in a waterproof pouch, and Location is allowed *While Using*.
- ☐ You are signed in and the boat name shows at the top.
- ☐ Only one device tracks with this login (the watch or the iPhone, not both).
- ☐ You tapped **Start** and "GPS ±N m" is showing.
- ☐ "Queued" goes back to 0 after a few seconds, so uploads work.
- ☐ You decided whether **Share heart rate** is on or off.
- ☐ You know how to hold the panic button for 2 seconds, and how to cancel a false alarm.

Crews, during the event

- ☐ Do not tap Stop and do not force-quit the app (on the iPhone keep the app running; the screen stays on).
- ☐ If the watch buzzes with the purple banner, return to the course area.

After the event

- ☐ Crews tap **Stop** while in range of a connection, so the last positions upload.
- ☐ Organizers set the event status to *finished*.

Troubleshooting

Watch app

Problem	Likely cause	What to do
"No boat assigned to this account"	The login is not paired with a boat	Organizer: pair it on the Boats or Team tab, then reopen the app
"This login is now used on another device"	The login was signed in on another device (the iPhone or another watch). A login tracks on one device at a time	If this device should track, tap Start here. The other device then stops tracking, and stays signed in
The app returns to the sign-in screen, or "Session expired"	The login was deleted, recreated or rejected	Sign in again with the current email and password
Sign-in fails	The watch shows a large red box with the reason: "Wrong email or password", "No connection", "Login not activated", "Login blocked", "Too many tries" or "Server not available"	Do what the box says. Check the email and the password (capital letters matter in the password; the app removes spaces and capital letters from the email by itself). Check the watch's signal or the iPhone nearby. The organizer can set a new password on the Team tab.
Start does nothing, or the permission sheet never appeared	Location or Health was refused the first time	The start screen shows "Permissions needed" with where to switch it on again; then tap Check again. No reinstall needed.
No "GPS ±N m" line after Start	No GPS fix yet, or no Location permission	Go outdoors and wait up to a minute. In the watch settings, set Location for the app to "While Using".
"Queued" keeps growing	No connection (airplane mode, no cellular, iPhone out of range)	Restore the connection. The watch uploads everything automatically.
Red error text after an upload	The server refused or could not be reached	If it persists, contact support and tell them the red text
No heart rate (♥) shown	Heart rate permission denied, or no reading yet	Allow heart rate in the Health permissions and wear the watch snugly. The first reading can take a minute.
Organizers do not see the heart rate	Share heart rate is off, or the reading is older than 30 seconds	Crew: switch Share heart rate on, if you agree
Panic stays on SENDING ALERT...	No connection. The watch keeps retrying.	Use VHF or phone as well. The alert is delivered when the connection returns.

Problem	Likely cause	What to do
The panic alert vanished and the watch shows ALERT CANCELLED	An organizer deleted the alert	Ask the organizers if you still need help
No warning when leaving the course	No area set for the event, tracking not running, or poor GPS accuracy	Organizer: check the area on the Map tab. Crew: check that Start was tapped.
An admin login on the watch shows "No boat assigned to this account"	The admin login is not paired with a boat	Organizer: pair the login with a boat on the Boats or Team tab, or use a crew login
The crown does not move the panic bar	The app is not tracking, or the watch keeps the crown for Water Lock or another screen	Tap Start first. Test the crown with Water Lock on, on your own watch, before the event.
The Action button does nothing	Not an Apple Watch Ultra, or the button is not set to this app, or tracking has not started	Settings → Action Button → Action: Workout, App: Wetfeet Tracker. The first press starts tracking.

Admin page

Problem	Likely cause	What to do
After login only the map shows, with " (viewer)" after the email	A crew login sees only the live map of its own event, with "(crew)" after the email; "(viewer)" means no organization yet. "Your boat is not part of an event yet" means the boat has no event	That is correct for crew logins. For admin tabs the owner of your organization changes the role to admin in the Team tab; the organizers put the boat into an event on the Boats tab
An invited person did not get an e-mail, or the link says it is not valid	The mail went to the spam folder, or the link expired	Check the spam folder, then use **Resend invite** in the Team tab. If it still does not arrive, contact support
Viewers see "This link is not active", a blank page or no boats	The link was replaced or disabled, the address is missing the `?e=` code, or the boats have no position yet	Copy the current link from the Events tab; check that the watches are tracking
Measuring or marks do not work	A tool was left on, or the course-area editor is open	Click Done, or finish or cancel the course area first
My marks disappeared	Marks are stored in one browser only	Use the same browser and do not clear its data
A boat is not on the map	No position uploaded yet, or the boat has no paired login	Check the watch's Queued number, and the Boats tab pairing
A boat looks faded	No fix for more than 60 seconds	Check the watch's connection and battery

Problem	Likely cause	What to do
Fit event zooms somewhere unexpected	The drop-down has another event selected, or "All events"	Choose the event in the drop-down next to the map controls
The map does not rotate	The rotation add-on did not load (no internet)	Reload the page with a working connection
No beep on a new alert	The browser blocks sound until you click the page	Click anywhere on the page once after opening it
Cannot create a login	Password under 6 characters, or the email already exists	Use a longer password or another email
Map shows no background	No internet to the map server	Check the connection; boats are still shown
A boat's track is missing	The track was switched off in the boat's popup, or the Trails box is unticked	Open the boat's popup and tick Show track; tick Trails
A boat is missing from the map	Its class is unticked in the Classes bar	Tick the class, or press All. Boats without a class and boats with an open alert are always shown.
Course marks cannot be placed	"All events" is selected, or you are not an admin	Choose one event in the drop-down next to the map controls; log in as an admin
Replay shows no boats	The event has no recorded positions yet, or the watches have not uploaded them	Wait until the watches have uploaded everything (Queued: 0) and check the pairing on the Boats tab
The results table shows no start or finish times	The start and finish lines are not set	Place two Start line end and two Finish line end marks for the event (Map tab, Course marks)
"Boat limit reached" when adding a boat	The organization has used all the boats in its plan (the first boat is free)	Ask for more paid boats in your plan: contact support

Privacy

- **Heart rate** is health data. It is off by default; it is sent only if the crew member switches **Share heart rate** on, on the watch, and it can be switched off at any time. Only the administrators of the organization see it, and never on public links. Tell the crews and get their consent before the event.
- On a public link, viewers see only boat names, classes, positions, speed, course and trails, the course area and the course marks. Never heart rate, battery, alerts or email addresses.
- The data of organizations is kept apart.
- **Retention:** the positions of races are kept until you delete the event. For continuous events (fleets) every position is kept for 30 days by default, then one per minute for 365 days in total, then deleted (shorter on the free plan). The owner can change this.
- You can ask support to delete or hand over your data.

What it can and cannot do (for now)

- The course area is a polygon, not a corridor around a line.
- Boats outside the area are shown live only; there is no history of when a boat left the area.
- The watch warns and alerts only while the app is running and tracking.
- Push or SMS notifications to organizers are not available yet; alerts are seen, with a sound, on the admin page.
- The app does not replace VHF radio or the emergency services.

Contact

For questions, problems or a bigger plan, contact support at the e-mail address shown on the website.