



## iPhone & Watch App Quickstart Plus Plan Subscription for H5000

This is the Quickstart for the Pathfinder Plus Plan for the B&G H5000 instrument system. This plan connects wirelessly to your B&G H5000 instruments and your iPhone's GPS to provide input at your race starts and course information during your race.

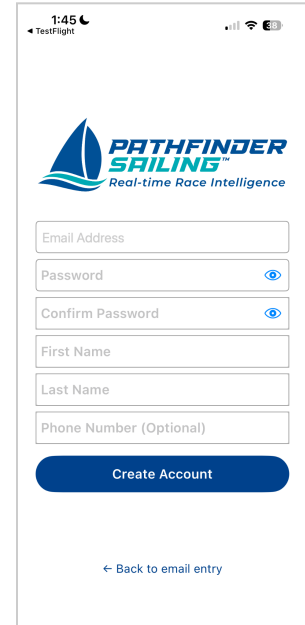
This Quickstart will show you how to:

- Download the app from the Apple App Store and create a Free Pathfinder Account
- Create a Free Pathfinder Sailing Account
- Choose a plan
- Create a boat profile and manage your boats
- Connect to your boat's B&G Instruments over WiFi
- Set up the app on your Apple Watch

## Download the App & create a Free Pathfinder Account

1. Download the Pathfinder Sailing mobile app via the Apple App Store [here](#). After downloading, open the app.
2. Enter your Email address at the prompt and Select 'Continue.'
3. If you already have a Pathfinder account with that email address, you will be prompted for your password
4. If you are creating a new account, you will be prompted to create a password and your name.

Select 'Create Account'



1:45  
TestFlight

**PATHFINDER SAILING**  
Real-time Race Intelligence

Email Address

Password

Confirm Password

First Name

Last Name

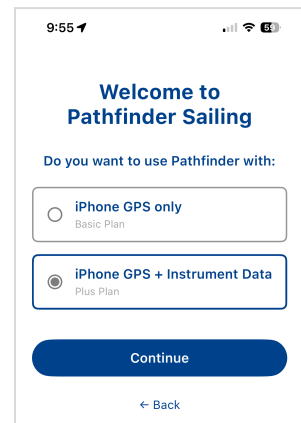
Phone Number (Optional)

Create Account

← Back to email entry

5. Select a plan from the two options.
  - Plus Plan: iPhone GPS and instrument data, which will stream to your app screens directly from your instruments

Select 'Continue'.



9:55

**Welcome to Pathfinder Sailing**

Do you want to use Pathfinder with:

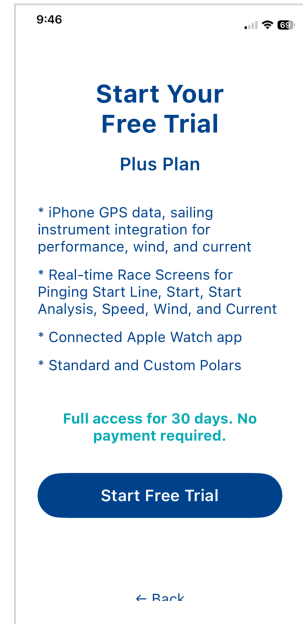
iPhone GPS only  
Basic Plan

iPhone GPS + Instrument Data  
Plus Plan

Continue

← Back

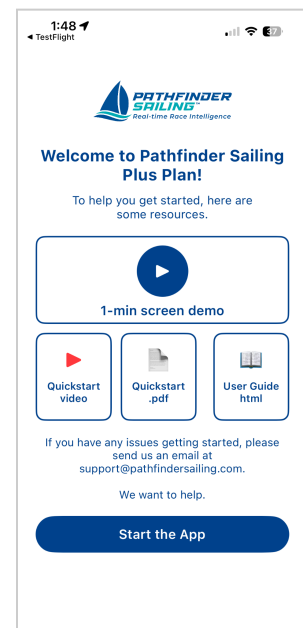
6. Select 'Start Free Trial' for the Plus Plan and confirm the subscription that will begin after the 30-day free trial period
  
7. When the 30-day Free Trial ends, you will be asked if you want to select a paid subscription



8. After selecting the Plus plan, you will see the Welcome Screen, where you can view a 1-minute screen demo to get a feel for the different screens that are included with your selected plan.

There are also links to Quickstart videos, this Quickstart pdf, and the more detailed User Guide for your plan.

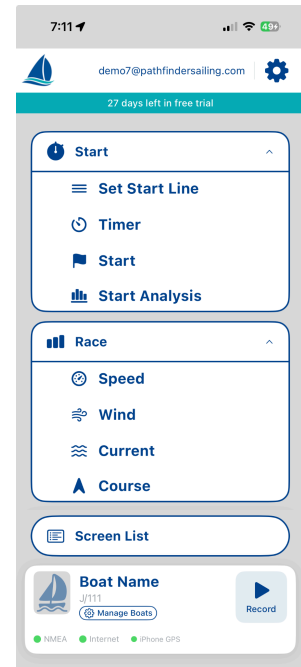
When ready to proceed, click 'Start the App'.



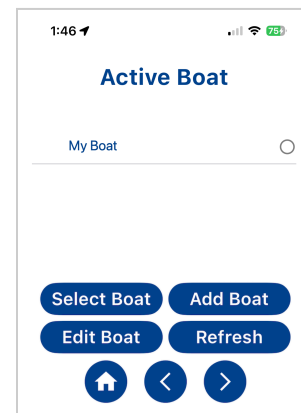
9. You will then be taken to the mobile app Home page.

10. Before using the app, it is recommended that you create a boat profile for the boat you will be sailing on. You can use the default “My Boat” profile if preferred, but race replays are better using your own profile with your boat name.

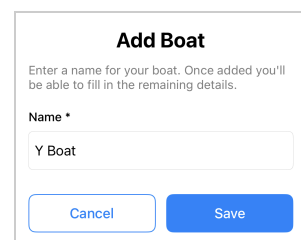
To create a boat profile, select ‘Manage Boats’ from the Home screen



11. The Active Boat screen will show profiles for the boats you sail on. The default ‘My Boat’ profile will work for you without modifications if you want to use that. If you prefer, you can easily create your own profile.



12. To create your own boat profile, select the ‘Add Boat’ button. Enter the boat name and click Save. You will advance to the Edit Boat Detail screen.



- a. **Boat Type**  
Select your boat type (eg: One-Design class or Custom) from the dropdown and enter your boat length.
- b. **Boat Length**  
Enter your Boat's Length in meters or feet and inches.
- c. **Instruments**  
Select the Instrument Manufacturer B&G and Model as 'H5000, Hercules, or Triton'.
- d. **GPS Antenna Offset**  
This is the exact distance from the bow to where the instrument's GPS antenna is mounted. This is needed to provide an accurate distance to the starting line while starting.

If you are unsure of the offset, no problem. You can access that measurement from your B&G instrument display > Settings > Calibration > Position > GPS Bow offset and GPS Centerline offset.

- e. **Polars**  
Select a polar, either a standard polar from the polar library or upload a custom polar if you prefer. You can upload as many custom polars as you like.
- f. **Network**  
Enter your instrument's WiFi IP address. The standard URL for most H5000 systems is: 192.168.0.2 with a Port of 2053.

If this does not work, finding your web socket URL is easy. Go to your B&G display and follow these steps:

1. Click the Menu button
2. Scroll to Settings, press enter
3. Scroll to System, press enter
3. Scroll to Network, press enter
4. Select CPU Info, press enter
5. See the address, e.g., 192.168.8.103, and copy it to the Network section in the app.

To exit, Press Enter, then the waffle key 3 times

- g. Click the 'Save' button and then 'Done' at the top of the page.

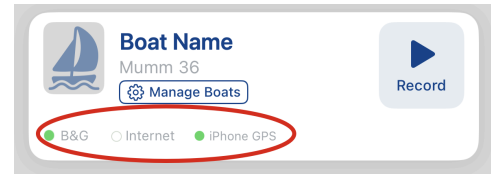
The screenshot shows the 'Edit Boat' interface on a mobile device. At the top, there are three buttons: 'Cancel', 'Edit Boat', and 'Save'. The main content is organized into sections:

- Boat Name:** A text input field containing 'Boat Name'.
- Boat Detail:**
  - Type \*:** A text input field containing 'J/111'.
  - Length:** Two input fields for 'ft' (36) and 'in' (5), with a 'Switch to meters' button to the right.
- Plus Plan Only:**
  - Instrument:** Three radio button options: 'B&G H5000' (selected), 'Other (NMEA Connection)', and 'iPhone GPS Only'.
- GPS Antenna Offset:** Two input fields for 'ft' (33) and 'in' (03), with a 'Switch to meters' button to the right.
- Polars:**
  - Select Polar:** A text input field containing 'J111'.
  - Upload Custom Polar:** A blue button.
- Network:**
  - IP Address:** A text input field containing '192.168.0.2'.
  - Port:** A text input field containing '2053'.
  - Delete Profile:** A red button at the bottom.

h. You will be back on the Active Boat page. You should see your boat on the list. If not, select 'Refresh', and then save your new boat as the active boat.

12. To connect to your boat's WiFi and instruments, minimize the Pathfinder Sailing app, open your iPhone settings. Select the boat's Wi-Fi to connect your instruments to the Pathfinder app. You will need to enter your WiFi password as well.

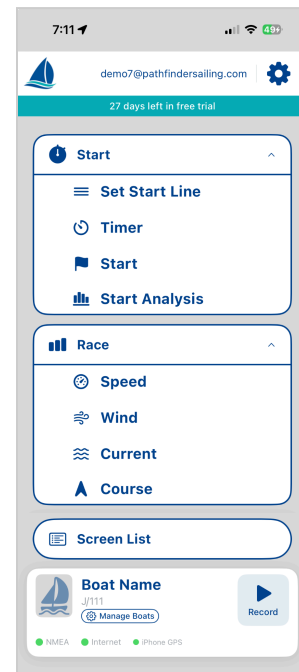
13. Close Settings and return to the app Home screen. The status card at the bottom of the screen should show green indicators for B&G and iPhone GPS.



13. From the Home screen, select an active racing screen, such as the Windscreen, and you will see data streaming from your instruments to the app screen.

14. You are now ready to use the app during a race. From the Home Page, you can:

- Set your Start Line ends (also known as pinging)
- Start your Race Timer. Note that starting your race timer will also start logging, so you can view your race track after the race. You can also view the tracks of other boats in your fleet using the Pathfinder app.
- Use the Start screen to hit the start line at full speed
- View your Start Analysis - a real-time screen that shows your speed and distance off the line at the gun.
- Track your speed over ground (SOG) and course over ground (COG).



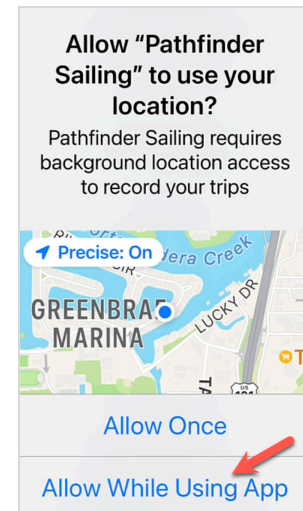
If you do not see your Speed, Wind, and Current screens on your Home page, select the 'Home > Screen List' button and add them.

## Location Permissions

During set-up, you will be asked to allow Pathfinder to use your location. This information is only used to provide race replay.

At the prompt, 'Allow Pathfinder Sailing to use your location,' click on 'Allow while using App.'

At the prompt, 'Allow Pathfinder Sailing' to use your location even when you are not using the app?', select 'Change to Always Allow' to ensure the app can



continue logging your sailing and location metrics while you are sailing, but with the app minimized.

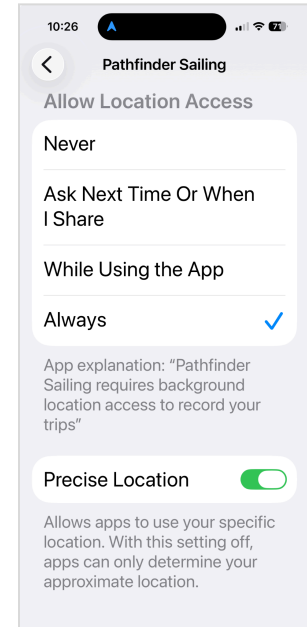
This information is used solely to provide race replays and will not be shared outside the Pathfinder apps.

### iPhone GPS - Precise Location Settings for GPS Accuracy

To turn on Precise Location on your iPhone, go to:

Settings > Privacy & Security > Location Services, select the Pathfinder Sailing app, and toggle on the Precise Location option. This allows the app to access your exact location for better accuracy.

Allowing Location Access 'Always' ensures the app continues to record your race data even with the app minimized.



### Connecting your Apple Watch

The Apple Watch app is a companion to the mobile app and requires it to operate.

If your phone and watch are connected, the watch app will install or update automatically on your watch when you install or update the mobile app on your iPhone. To use the watch app:

- start the mobile app
- then press the crown on your watch
- scroll down in your application list and select Pathfinder Sailing.



To optimize your watch settings to maintain focus on the App while racing (and not constantly return to the Clock screen), view the Blog post: [Keeping Pathfinder Active on Your Apple Watch](#).

For more detailed information, go to the [User Guide](#) in the website's [Support](#) page.

### **iPhone GPS - Precise Location Settings for GPS Accuracy**

To turn on Precise Location on your iPhone, go to Settings > Privacy & Security > Location Services, select the Pathfinder Sailing app, and toggle on the Precise Location option. This allows the app to access your exact location for better accuracy.