

Setting up a phone as a GPS tracker to work with SailEvent.

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These are the steps we will go through.

The detail is in the following pages but essentially this is what must be done:

1. Make yourself known to SailEvent by opening a free sailor account.
2. Install and configure the app that makes your phone into a tracker.
3. Tell SailEvent about your tracker.
4. Check that it all works.

This is a set of Android phone screenshots showing how to register with SailEvent and set up the eLocate tracking service.

Once done, this will allow the organiser of an event you enter to see where you are while on the water.

Also included is eTally which allows you to sign on and off the water via your phone.

Everything is very similar for iPhone though some settings are in different menus.

Firstly, open your phone browser and go to the website sailevent.net.

The advertisement features a central image of a sailboat race with a smartphone in the foreground displaying the app interface. The text is centered and uses a mix of bold and italicized fonts.

cloud apps for sailing events

contactless, paperless, information-rich tools to help clubs run racing

"This is way better than a paper system"

Sea View Yacht Club



SailEvent is two apps in one. One for clubs and event organisers, and one for sailors and competitors

"It is really easy to use"
Hayling Island Sailing Club

join SailEvent as a **club** for free

*"Click the green button to say
you're sailing – job done!"*
SVOD sailor

join SailEvent as a **sailor** for free

follow



Scroll down
and click button for joining as a sailor.

Read the information and scroll down....

sailors



"It is genuinely easy to use."
SVOD sailor

New to SailEvent?

SailEvent gives you a single log in
Once-in-a-lifetime registration even if you sail at more than one club.

Self-service Easy and convenient to enter events, receive race information and sign on and off the water – all via

"It is genuinely easy to use."

SVOD sailor

New to SailEvent?

SailEvent gives you a single log in

Once-in-a-lifetime registration even if you sail at more than one club.

Self-service Easy and convenient to enter events, receive race information and sign on and off the water – all via mobile phone.

Free forever The SailEvent sailor app is completely free. No costs for sailors, ever.

[Register](#)

Already registered?

[Log in](#)

Top tip Add the login page to your home screen to cut the clicks and navigate direct.



... and click the Register button.

Sailevent



Enter the email address you have used to enter the event where you want to be tracked.


Scroll down and click Submit.

Sailor Registration

Submit your email address to register with SailEvent. We will send you an email with a link in it. Click that link WITHIN 30 MINUTES to complete your registration. We do it this way to check that we have your correct email address and to verify that we are talking to a real person.

Your email address not only lets you log in to your SailEvent account but it is also links the settings and preferences in your account to SailEvent-registered events. So if you have more than one email address use the same one here as you do when entering an event.

Your email address must be unique within SailEvent.



Sailor Registration

Submit your email address to register with SailEvent. We will send you an email with a

SailEvent Registration

The email is on its way to **john@sailingclubsoftware.com** and should be delivered in a few minutes. If it doesn't arrive check your email address and look in your spam folder.

OK

the settings and preferences in your account to SailEvent-registered events. So if you have more than one email address use the same one here as you do when entering an event.

Your email address must be unique within SailEvent.

A verification email is on its way.

Click OK.



SailEvent Registration Verification

Inbox

 **SailEvent.net** 08:56
to john

Click **verify** WITHIN 30 MINUTES to complete your registration.

If that doesn't work copy and paste the following line into your browser's address bar.

<https://sailevent.net/app/sailor/sailorverify.aspx?v=1b9c4799-230b-4e2c-a713-5b7c1f6218c4>

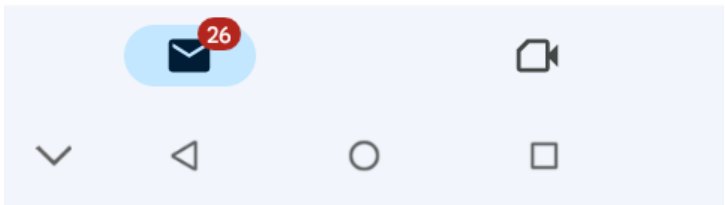
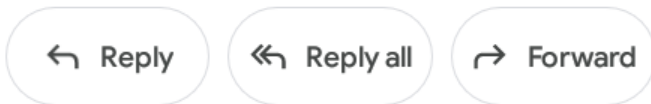
This link can be used ONLY ONCE.

If you did not request this email just ignore it.

This email has been sent from an unmonitored mailbox at

<http://sailevent.net>

Please do not reply to this message.



Find the email (check spam).

It looks like this.

Click verify.



You are taken back to SailEvent.

Click register.

Sailor Verify

Welcome back

[Please read the Terms of Use](#)

I accept the Terms of Use

[Register](#)

[Terms of Use for Sailors](#)

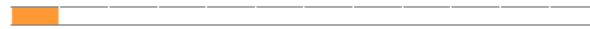
[Terms of Use for Clubs](#)

[Privacy Policy](#)

[Cookie Policy](#)

[Data Protection Statement](#)

[Contact us](#)



Next Finish

**Congratulations, you now have a
SailEvent sailor account with all the
default settings***

Press **Next** to learn about, view and
modify your account settings.

Press **Finish** to go straight to your
account.

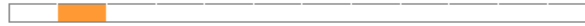
* by default you are **opted in** to receive emails
prompting you to eTally. That means that you
don't have to do anything except respond to the
prompts. You can **opt out** on your account's
eTally tab.

You are now registered with SailEvent.

But we need to do a little more setting up....

Click Next.

Sailevent



Previous

Next

Finish

your email address

Your email address*

john@sailingclubsoftware.com

Your email address not only lets you log in to SailEvent but it is also the link between you and competitions that offer SailEvent eTally and eLocate.

Important If you have more than one email address use the same one here that you provide when entering competitions.

Your email address must be unique within SailEvent.

Previous

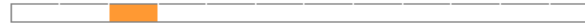
Next

Finish

Check your email address is the one you used to enter the event to be tracked.

It also needs to be an address connected to the phone you will take on the water as your tracker.

Sailevent

[Previous](#)[Next](#)[Finish](#)

y o u r p a s s w o r d

Password

Password is optional. If you provide one then you can log in with your email address and password on any device.

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[Terms of Use for Sailors](#)[Terms of Use for Clubs](#)[Privacy Policy](#)[Cookie Policy](#)[Data Protection Statement](#)

Sailevent



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Finish

e T a l l y

Think of **eTally** as an electronic alternative to paper signing sheets and tally boards but more immediate.

▶ Read about eTally

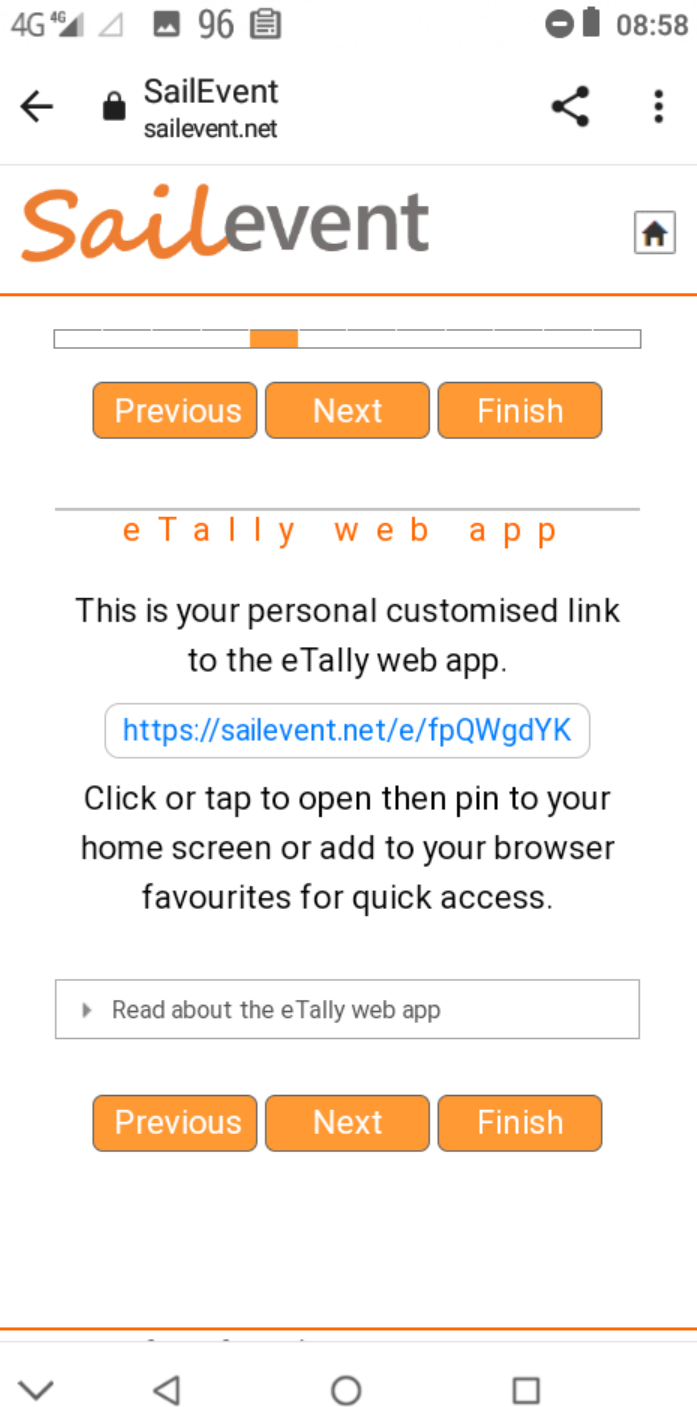
Previous

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Finish

This introduces eTally.

You can read about it and then click Next.



This is how to install your personal eTally web app.

If you do this then you can use it to sign on and off the water, without looking for the organiser's email or SMS prompts.

Click Next.

Sailevent



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e T a l l y p r o m p t s

eTally prompts are brief messages delivered to you by SMS text or email reminding you to eTally. They contain a link your personalised eTally web app.

Choose whether or not to accept eTally prompts.

No Yes

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[Terms of Use for Clubs](#)

You can choose whether and how to get those prompts...

Click Next.

Sailevent



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Next

Finish

your mobile
number

eTally prompts for a competition can be delivered by SMS text provided

- the organiser opts to send them
- AND**
- you provide your mobile number here

Mobile number

07710486474

If you choose to not provide a phone number your prompts are emailed to **john@sailingclubsoftware.com**.

Previous

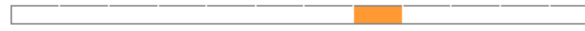
Next

Finish

If you want to get them by SMS as well as email then enter the number of the phone you will take with you on the water.

Yes, that is my phone number!
You can call it if you have trouble with this!
Or email
john@sailingclubsoftware.com

John Barber
SailEvent Support

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eLocate

Now we move on to the eLocate service.

You are probably here because the organiser of your event has declared in their risk assessment that GPS tracking will be used for safety and rescue.

It is worth reading the further information...

eLocate uses GPS tracking to tell organisers, spectators and your followers where you are on the race course.

[▶ Read about eLocate](#)

To be tracked you need a tracker – technically a GPS tracking device. You basically have two options – a free app on your phone or a dedicated device.

[▶ Read about GPS tracking devices](#)

Your privacy is important. Here's how SailEvent handles your location data.

[▶ Privacy and your location data](#)

Skip eLocate No Yes

eLocate

eLocate uses GPS tracking to tell organisers, spectators and your followers where you are on the race course.

eLocate works with all sorts of trackers. Sometimes organisers issue them.

But in this case the organiser has asked that you carry a phone with a tracking app installed and running.

Read about eLocate

These are the steps you need take to make it happen

1. Equip yourself with a GPS tracking device, a tracker for short.
2. Enter a competition organised by a SailEvent-registered club.
3. Before you go afloat make sure your tracker is on.
4. Take your tracker with you and it periodically reports your position to SailEvent in the cloud.
5. Once safely ashore you can turn your tracker off.

And the result is

- Race organisers can monitor competitor locations for improved safety and decision making
- Spectators can follow race progress projected on a map or chart on their phone, tablet or computer.

Read about GPS tracking devices

Phone apps

Installed from the Android Play Store or Apple App Store the apps get their location from your phone and transmit it to SailEvent via mobile data. SailEvent highly recommends Traccar Client - it's free, light on your battery and data and works seamlessly with the SailEvent tracking server.

Traccar Client instructions (pdf)

Don't want to take your best phone afloat? Consider using an old one - all it needs is GPS, mobile data and a reasonable battery.

Concerned about battery life? Invest in a mini-power pack.

Dedicated devices

There are many on the market ranging in price from cheap Chinese clones through to the multi-featured top end. They all work in essentially the same way - a built-in GPS chip gets the device's location and transmits it to the SailEvent tracking server via mobile data. If you opt to buy a dedicated tracker make sure it is not tied to a specific tracking service; you need one that can be configured to use the SailEvent tracking server.

Dedicated trackers require a SIM to transmit location reports via mobile data. Inexpensive

You can install the app from Play Store or App Store.

We are going to use the Traccar Client app here.

Sailevent

Traccar Client

SailEvent recommends Traccar Client as an app to turn your mobile phone into a GPS tracking device. Traccar Client is available for both Android and iOS devices, its light on both battery and data, and it's free.

To use Traccar Client your phone just needs GPS and adequate mobile data and battery capacity.

Follow these steps to install and set up Traccar Client.

1. [Install the app](#) from the Google Play Store or Apple App Store and open it giving it the necessary permissions.
2. [Traccar Client settings](#)

Device identifier must be unique within SailEvent-registered trackers. It is initially a random number and is highly likely to be unique so you may decide to leave it as is. Alternatively you can change it to a name of your own choosing. Note that device identifiers are case sensitive so *tracker* is not the same as *Tracker*. To be certain that your device identifier is unique consider changing it to your mobile number in international format or your phone's IMEI number.

Server URL must be **http://sailevent.net:5055** Type exactly as shown with no spaces.

Location accuracy must be set to **High** to use GPS locations.

Frequency is the time in seconds between transmissions of position fixes from your phone to the SailEvent server. Aim to find a balance between location accuracy and battery and data usage. SailEvent recommends 180 seconds as a good starting point.

Distance and Angle trigger fix transmissions when you have travelled a certain distance or turned through a certain angle. Boat tracks can be erratic so SailEvent recommends you leave both at zero to prevent multiple unnecessary transmissions.

Offline buffering set to **Off**.

These are the Traccar installation instructions.
(linked on previous page)

We'll step through it all now.



Traccar Client

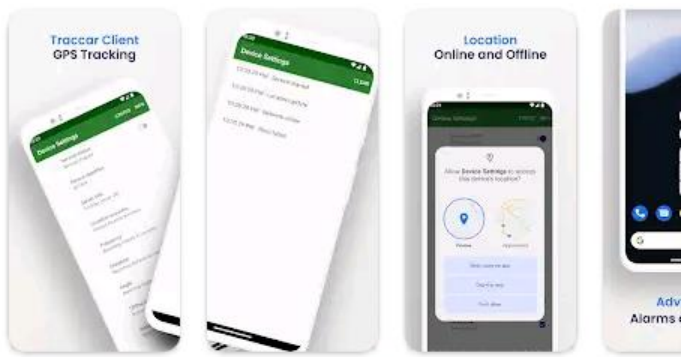
Anton Tananaev

4.6 ★
6K reviews ⓘ

100K+
Downloads

3
PEGI 3 ⓘ

Install



About this app →

Software GPS tracker

Tools

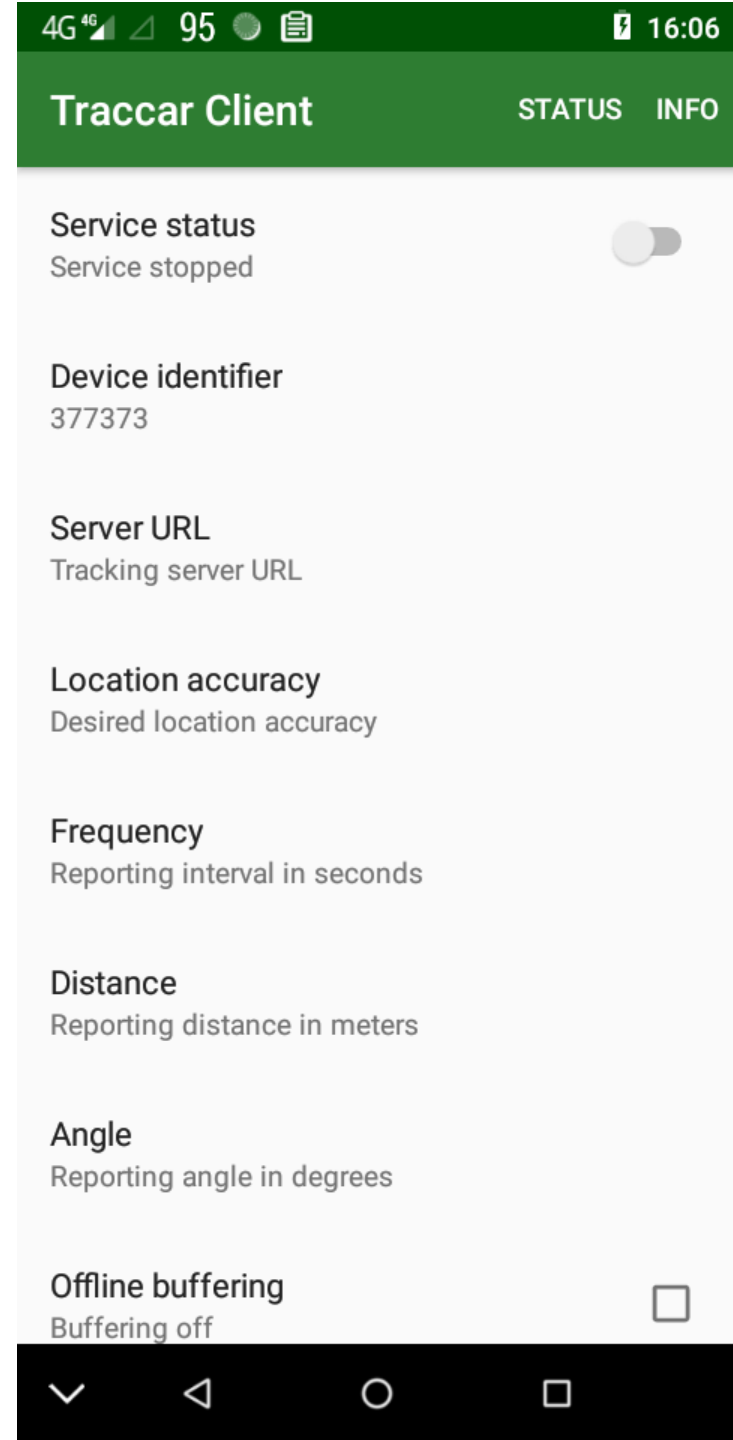
Search Traccar Client in your app store.

This is what it looks like.

Install....

This is the page the app opens with.

We're going to enter some settings....

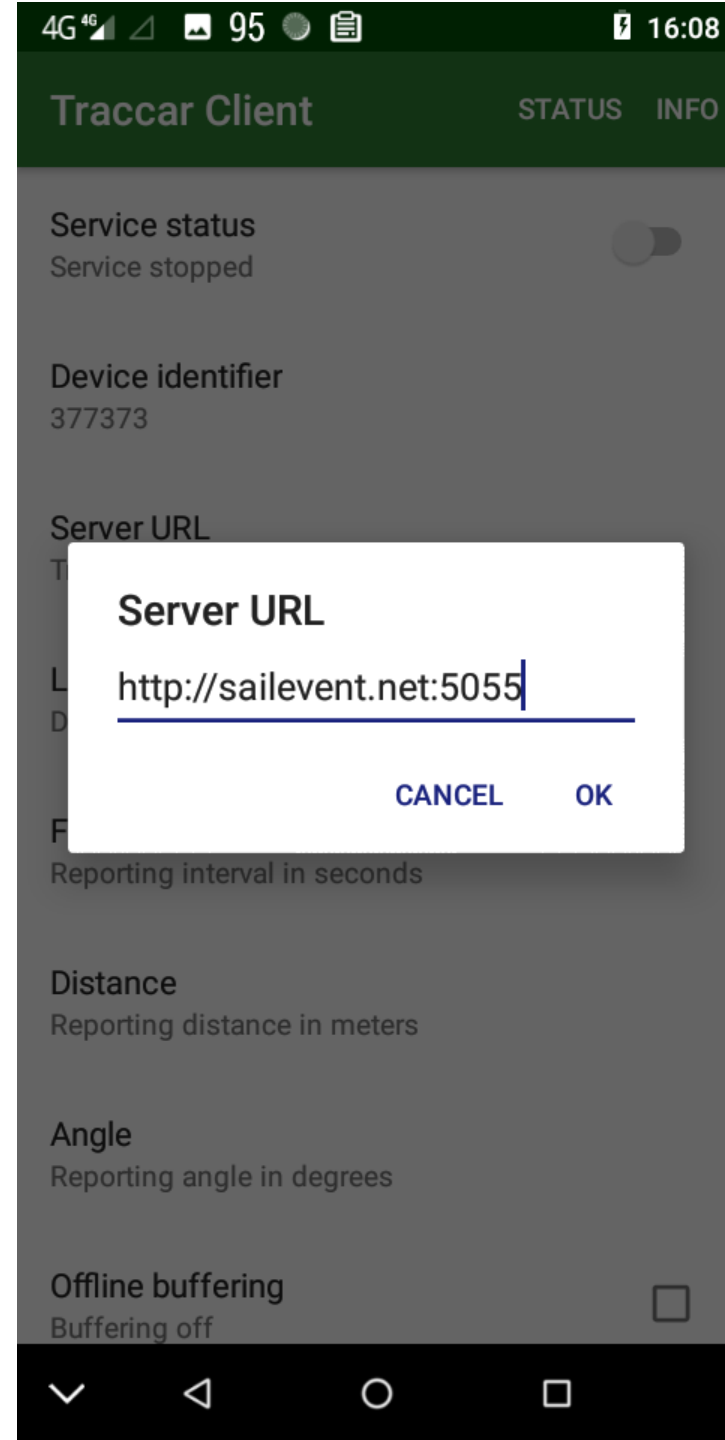


Firstly, we need to tell the app where to send your location.

Click Server URL and enter <http://sailevent.net:5055>

Make sure it's exactly right.

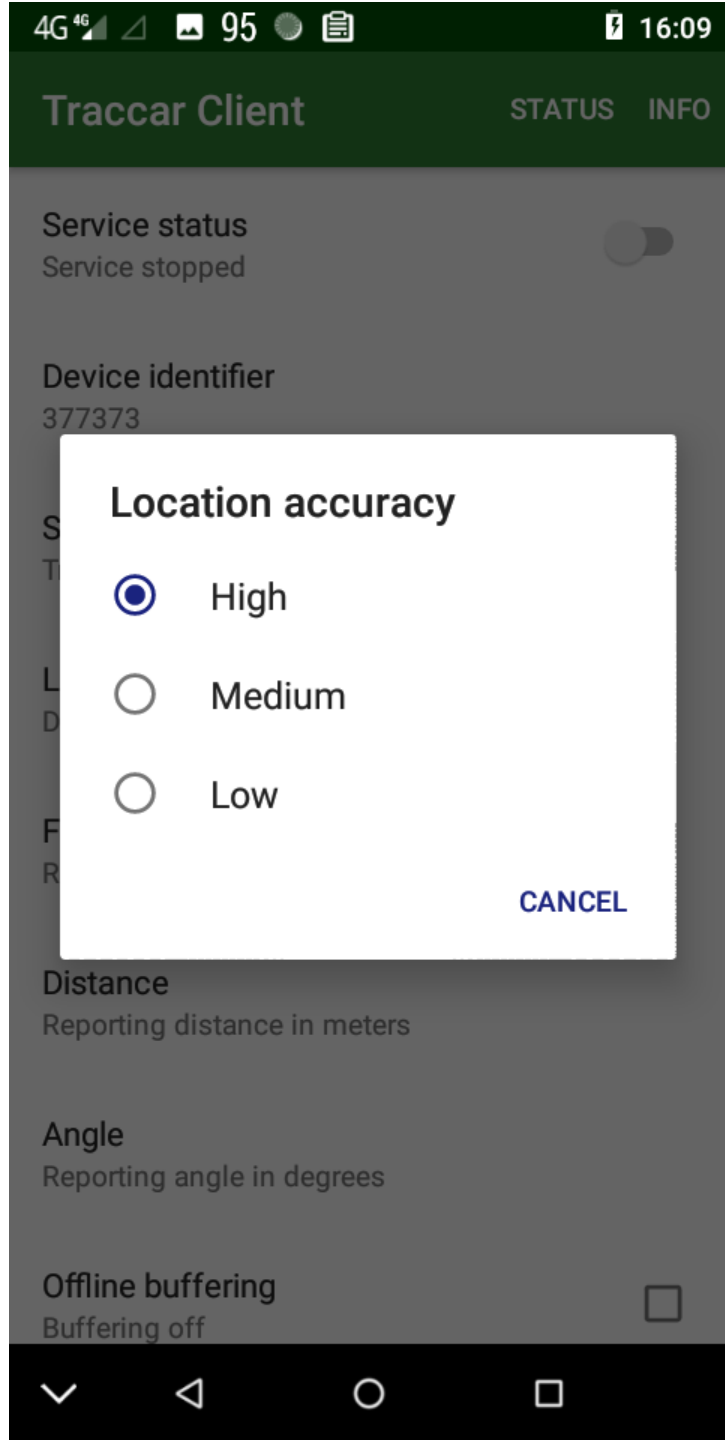
Click OK.



Click Location Accuracy.

Select High to ensure that your phone uses all options - GPS, WiFi, cellular, to determine where you are.

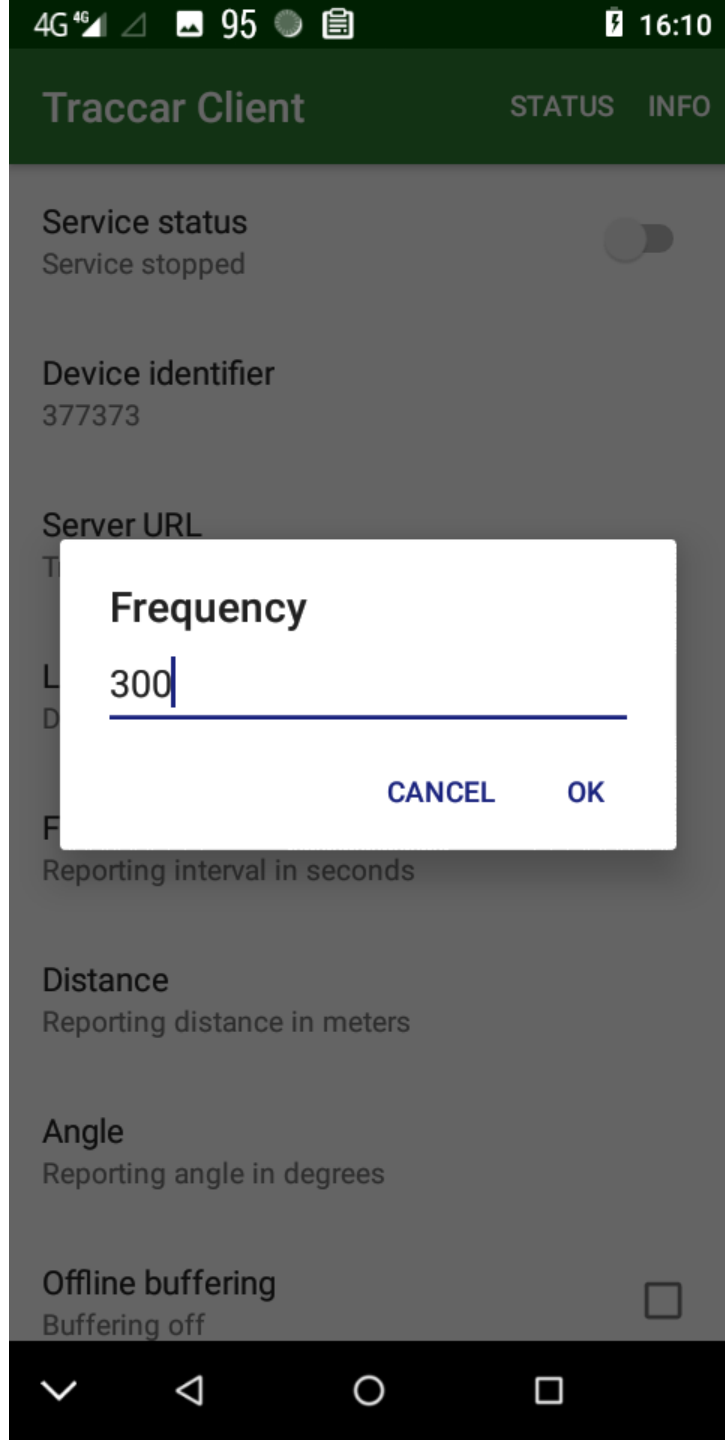
Click outside the box to close it.



Click Frequency and choose how often you want your location updated, in seconds.

For live race tracking every few seconds would be needed, but this set up is just for safety so five minutes, 300 seconds, will be plenty.

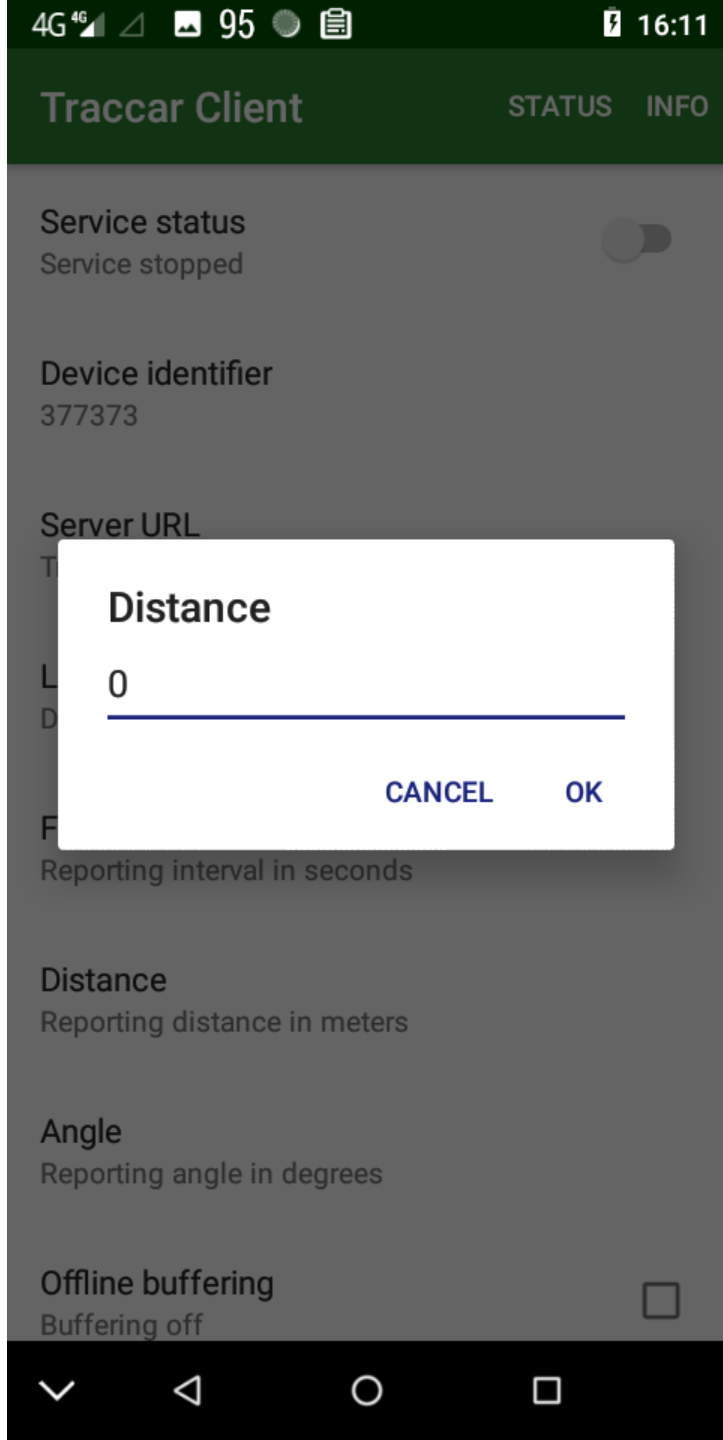
Click outside box to close.

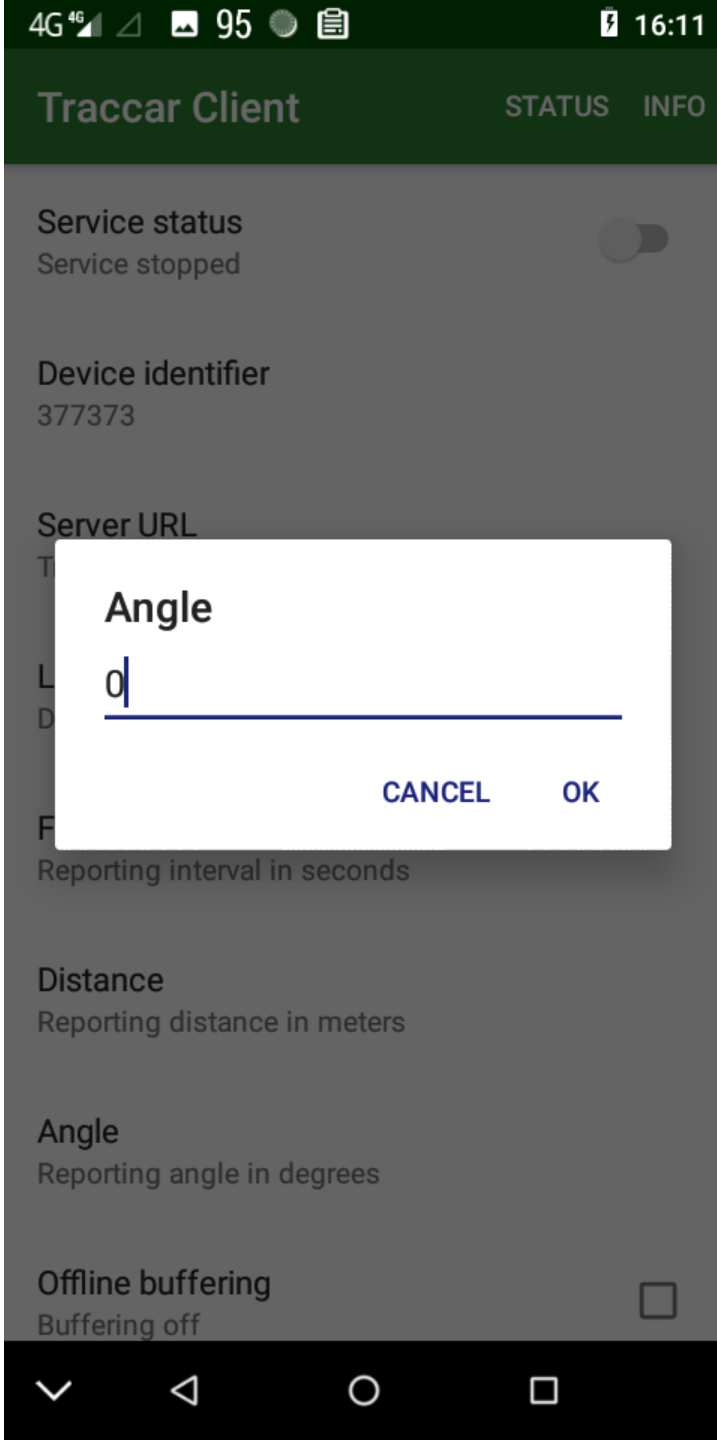


Click Distance and enter 0.

This means distance moved is ignored and updates are made by time only.

Click outside box to close.





Click Angle and enter 0.

This means direction of travel is ignored and updates are made by time only.

Click outside box to close.

These tick settings prevent the app storing location data when offline, not needed, and ensure the app does not go to sleep until you stop it.

3G 87 13:13

Traccar Client

STATUS INFO

Device identifier
377373

Server URL
Tracking server URL

Location accuracy
Desired location accuracy

Frequency
Reporting interval in seconds

Distance
Reporting distance in meters

Angle
Reporting angle in degrees

Offline buffering
Buffering off

Wake lock
Wake lock on

Android navigation bar

Service status
Service stopped

Device identifier
377373

Server URL
Tracking server URL

Location accuracy
Desired location accuracy

Frequency
Reporting interval in seconds

Distance
Reporting distance in meters

Angle
Reporting angle in degrees

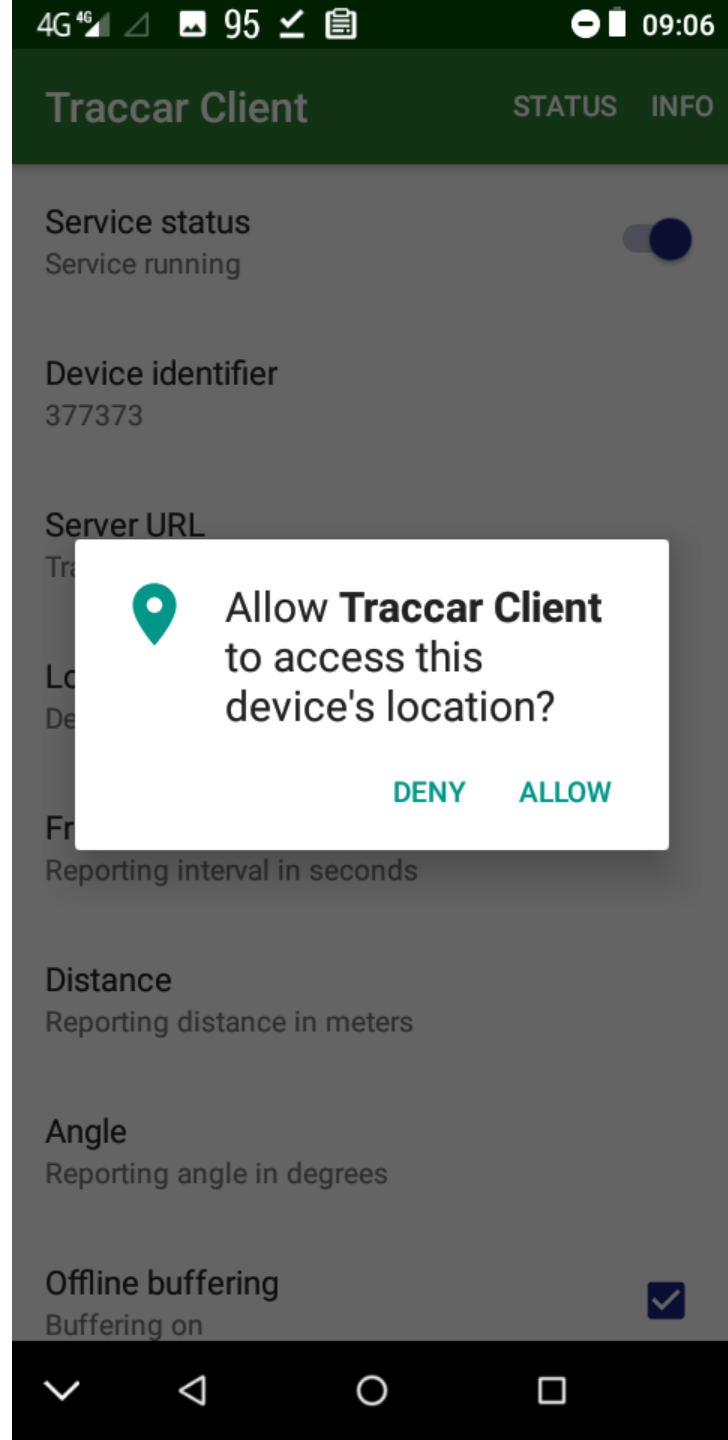
Offline buffering
Buffering on

Scroll back to the top and it's time to start the location service.

Click the slider.

Confirm that the app may access your location.

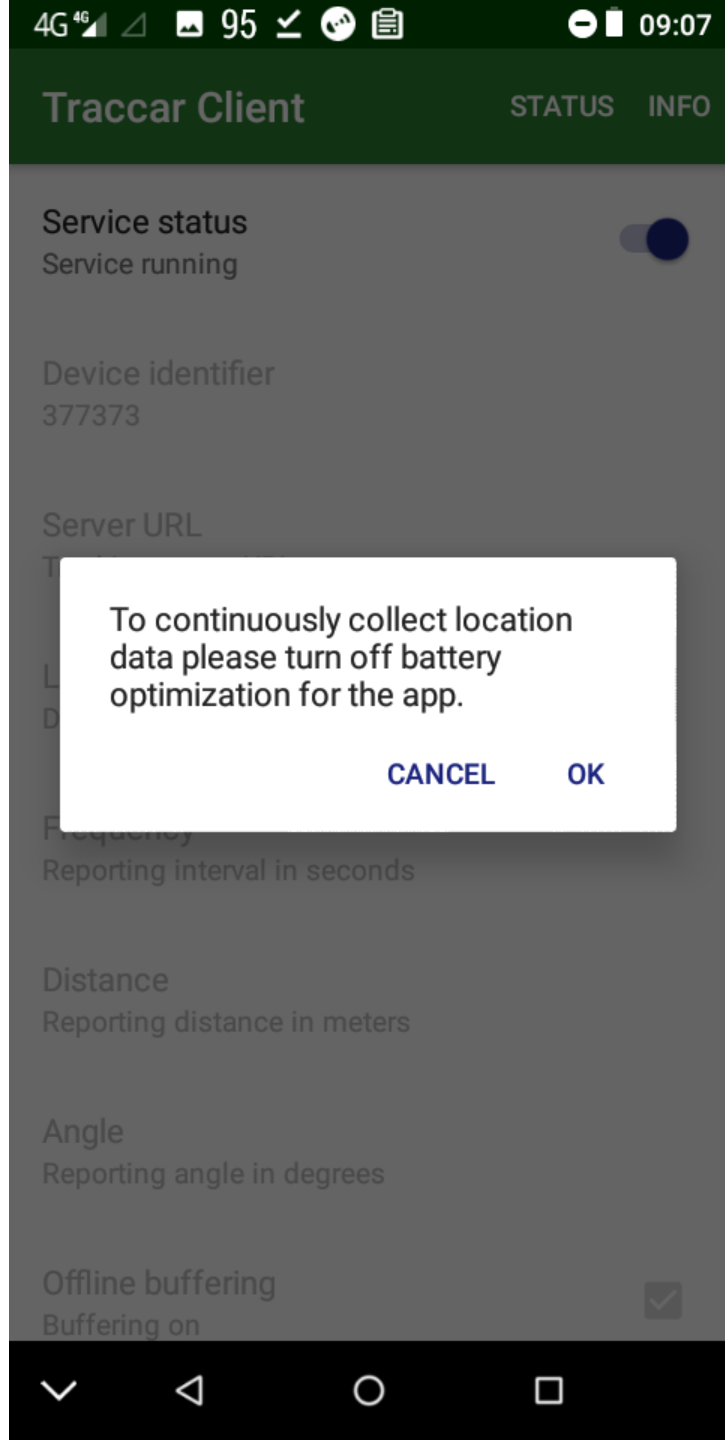
Click Allow.



This dialogue pops up next.

We need to make sure the app doesn't switch itself off when you need it running.

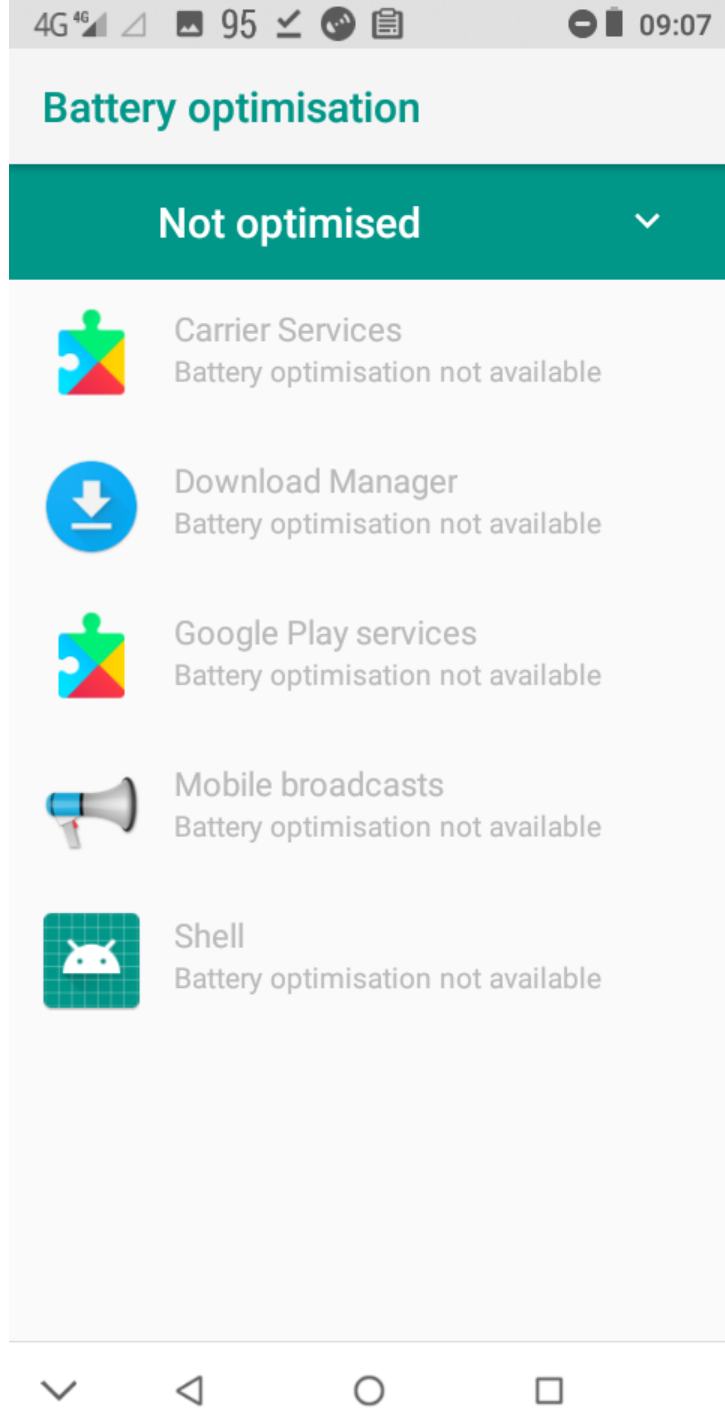
Click OK.



You are taken to your phones Battery optimisation settings.

This is where you tell it to let the app stay alive.

Click the dropdown arrow.



Battery optimisation



Not optimised
All apps

Click All apps.



Android Services Library
Optimising battery use



Android Shared Library
Optimising battery use



Android system
Optimising battery use



android.auto_generated_rro_
Optimising battery use



APK Parser
Optimising battery use

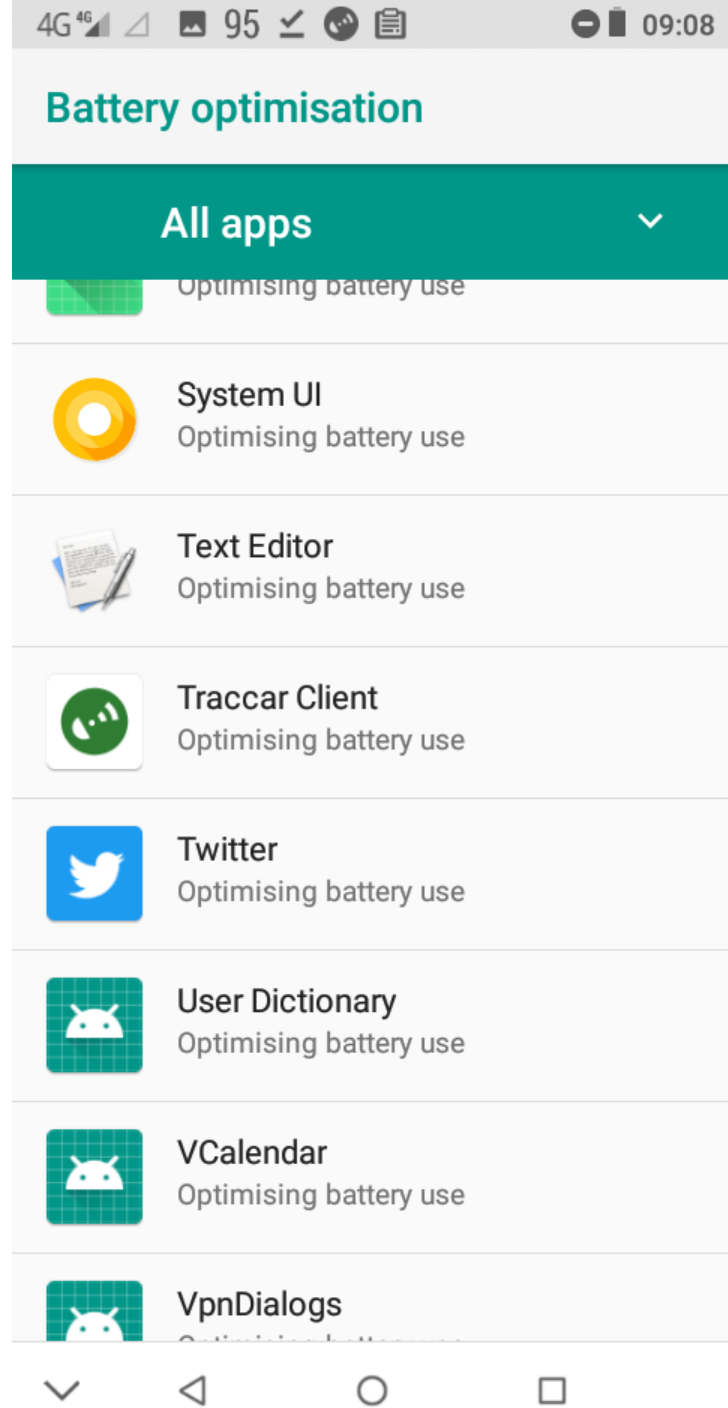


Audible
Optimising battery use

Scroll down until you find Traccar Client.

By default it is optimising battery, which means that it will turn off after a number of minutes in background. You need to keep it on.

Click the Traccar entry.



Battery optimisation

All apps



Optimising battery use

System UI

Optimising battery use

Traccar Client

Optimise

Recommended for better battery life

Don't optimise

May drain your battery more quickly

CANCEL

DONE

User Dictionary

Optimising battery use

VCalendar

Optimising battery use

VpnDialogs

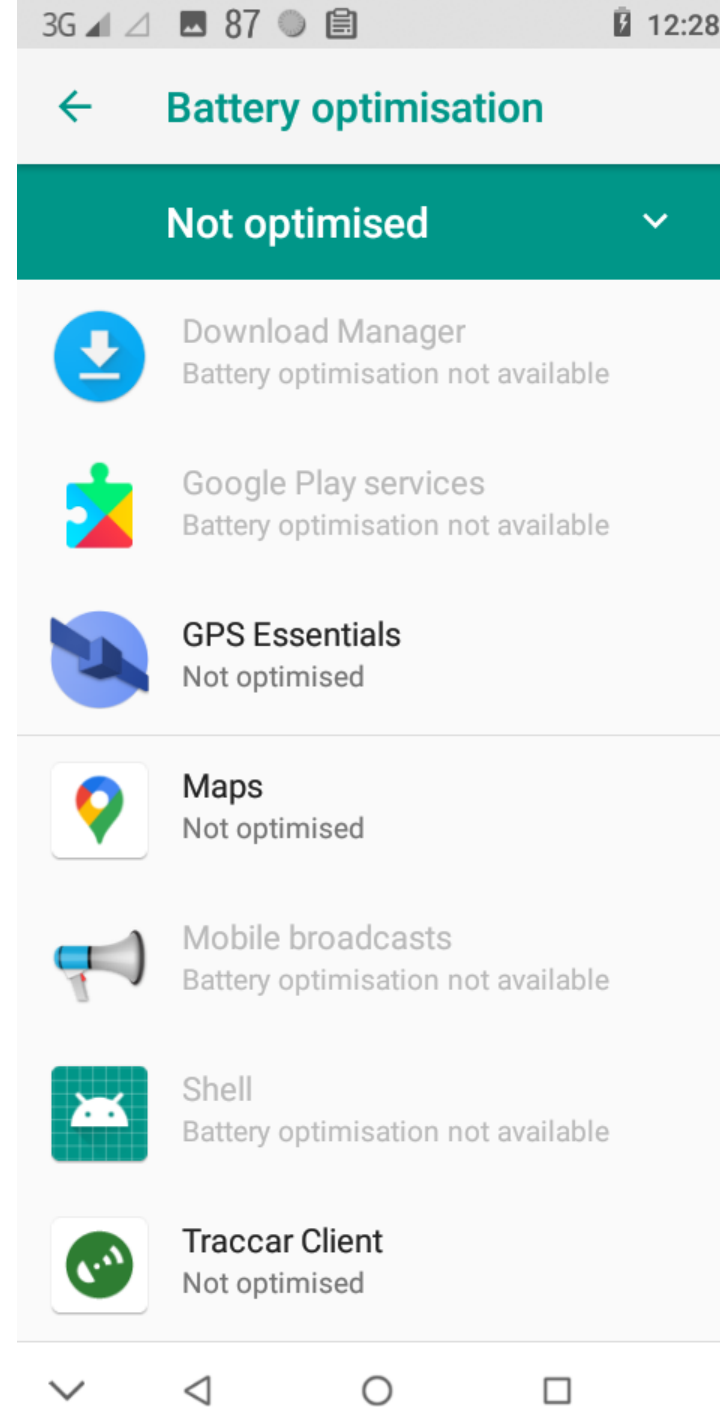
Optimising battery use

Choose Don't optimise.

Click Done.

Traccar is now in the Not optimised list.

Exit settings and go back to your browser.



Go to SailEvent.net again but this time click the Sailor button at the top to log in to the account you registered.

cloud apps for sailing events



contactless, paperless,
information-rich tools
to help clubs run racing

"This is way better than a paper system"

Sea View Yacht Club

Log in using the email address you registered.

You can go straight in if you set a password.

Otherwise you are sent a login link by email.

Sailor Login

Either submit just your email address and we will send you an email with a login link. Or if you have set up a password submit both email address and password to log straight in.

Submit

No account yet?

Register

[Terms of Use for Sailors](#)

[Terms of Use for Clubs](#)

[Privacy Policy](#)

[Cookie Policy](#)

[Data Protection Statement](#)

[Contact us](#)

This is the arrival page in your account.

Click eLocate.

Sailor Account

You eTally eLocate Entries

a b o u t y o u

Your email address*

Your email address not only lets you log in to SailEvent but it is also the link between you and competitions that offer SailEvent eTally and eLocate.

Important if you have more than one email address use the same one here that you provide when entering competitions.

Password

Password is optional. If you provide one then you can log in with your email address and password on any device.



Sailor Account

You eTally eLocate Entries

- ▶ How eLocate works
- ▶ The Kit
- ▶ Privacy

tracker registration

Tracking Device ID*

If using the Traccar Client app on a phone then your Device ID is the *Device identifier* shown in the app. For most other devices use the IMEI (International Mobile Equipment Identity) of the tracker. Some devices have a vendor-specific unique identifier; check your device's documentation.
Your Device ID must be unique within SailEvent.

We need to tell SailEvent which phone tracking app is yours.

This is done by entering the Traccar Client Device Identifier in the Tracking Device ID box.

Go to your Traccar app.

Service status
Service running

Device identifier
377373

Server URL
Tracking server URL

Location accuracy
Desired location accuracy

Frequency
Reporting interval in seconds

Distance
Reporting distance in meters

Angle
Reporting angle in degrees

Offline buffering
Buffering on

Note the Device identifier number.

Return to your SailEvent account.

Sailor Account

You

eTally

eLocate

Entries

▶ How eLocate works

▶ The Kit

▶ Privacy

tracker registration

Registered Device ID

377373

Tracking status

Latest fix at: ---

Refresh

Deregister your tracker

Deregistering removes the device and all tracking data associated with it from SailEvent.

trouble shooting

Enter the number you noted into the Registered Device ID box.

Then click Refresh.



Sailor Account

Navigation tabs: You, eTally, eLocate, Entries

- ▶ How eLocate works
- ▶ The Kit
- ▶ Privacy

**t r a c k e r
r e g i s t r a t i o n**

Registered Device ID
377373

Tracking status
Latest fix at: 2023-05-03 11:38:05 UTC

[Refresh](#)

[Deregister your tracker](#)

Deregistering removes the device and all tracking data associated with it from SailEvent.

The time of your latest recorded position should appear.

If it does then you are all set.

Whenever your Traccar app is running the organiser of your event knows where you are and can find you.

If it does not then re check the previous steps.

You can also check from the Traccar side, by going back to the Traccar app...

Traccar Client

STATUS INFO

Service status

Service running



Device identifier

377373

Server URL

Tracking server URL

Location accuracy

Desired location accuracy

Frequency

Reporting interval in seconds

Distance

Reporting distance in meters

Angle

Reporting angle in degrees

Offline buffering

Buffering on



Make sure the service is running.

Click Status.

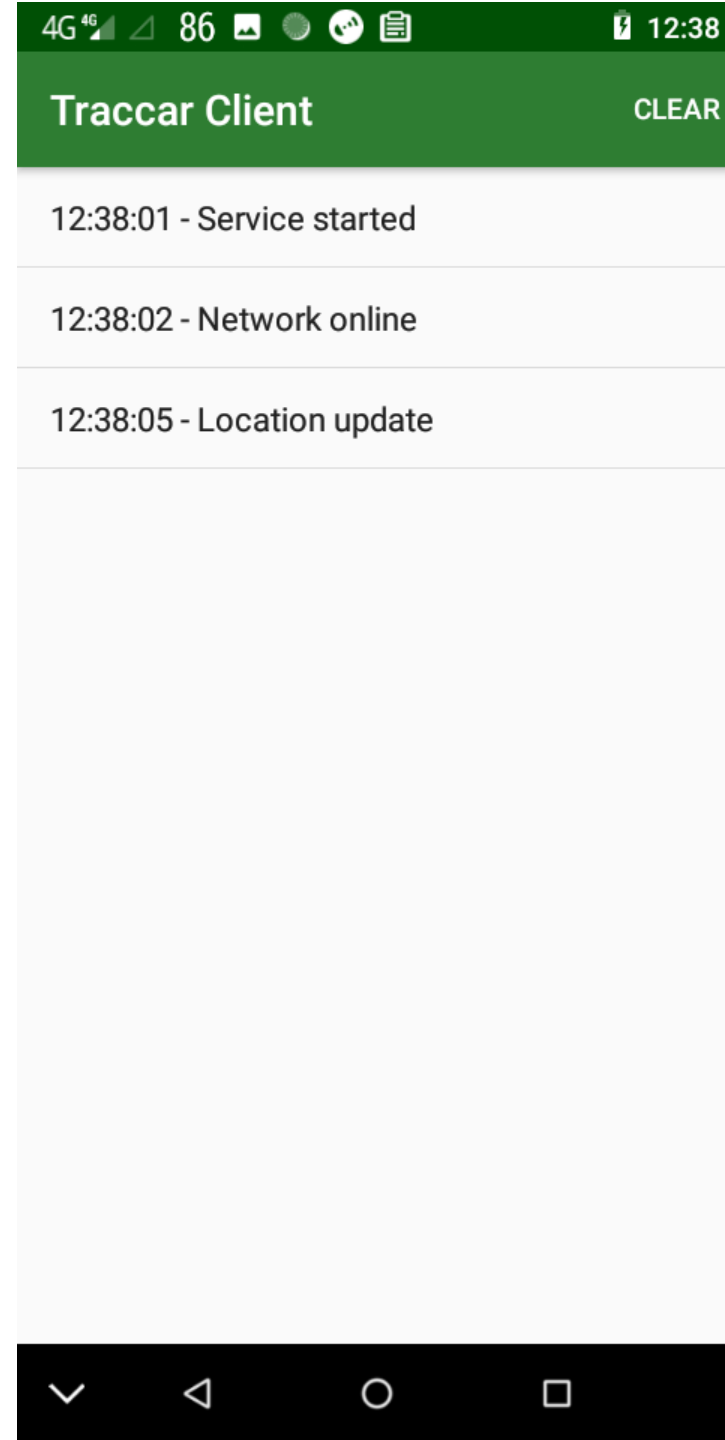
You should see something like this.

The service is running.

It can connect via the internet to SailEvent.

It has been able to get a location from your phone and send it to SailEvent.

This list will get longer with each update. You can clear it if you wish.



Assuming it all worked, then that's all there is to say.

When the Traccar service is running your event organiser can see where you are.

A final important privacy reminder.
When you no longer want to be tracked simply switch the Traccar Service status to stopped.

And if you do have trouble setting up then please email:
john@sailingclubsoftware.com

Thank you for reading.

John Barber
SailEvent Support

