



Distance for iOS

User Guide

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1. About



Welcome to the **Distance** for iOS user guide!

Thank you for choosing **Distance**.

Introducing our enhanced distance measurement app with area calculation and custom coefficients. Easily measure distances by drawing routes on the map, and switch between Move and Measure modes for flexibility. Explore longer distances by dragging the map, and seamlessly switch between Area and Distance calculations. Customize display units, undo changes, and share results effortlessly. Additionally, our app allows you to set custom units for more advanced calculations. Estimate fuel consumption, calories burned, travel time, insecticide needs, parking capacity, and more.

We hope that this documentation will help you get the most out of the app and achieve your mapping and data analysis goals.

2. Disclaimer

- Please note that the screenshots in this documentation are taken from the iPhone version of the app. The iPad version of the app has the same features, but the screens may appear differently due to the larger screen size.
- Please note that while the app is available in many languages, the instructions provided in the documentation are currently only available in English. The names of buttons and the text that appears in the localized versions of the app may differ from the English version, but the intended features and functionality of the app should remain the same as described in the provided instructions.
- This app is intended to be a companion tool for use on the go, but it may not always be accurate. We have tried to make it as accurate as possible, but there may be some inaccuracies due to factors such as GPS signal quality, bugs, etc. Please double check with professional equipment if necessary. We are not responsible for any damages or loss of life resulting from the use of this app in dangerous environments.
- If you cannot afford to lose data, please make frequent backups to protect against unforeseeable data loss.

3. Download Link

iOS Version (iPhone / iPad)

<https://itunes.apple.com/us/app/distance-find-my-distance/id483591610?ls=1&mt=8>



Android Version

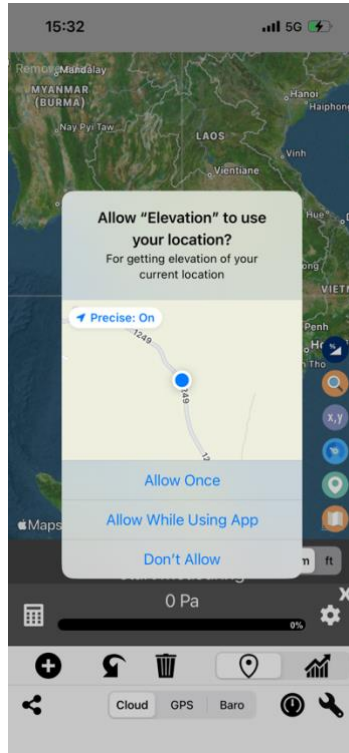
<https://play.google.com/store/apps/details?id=com.myice92.distance>



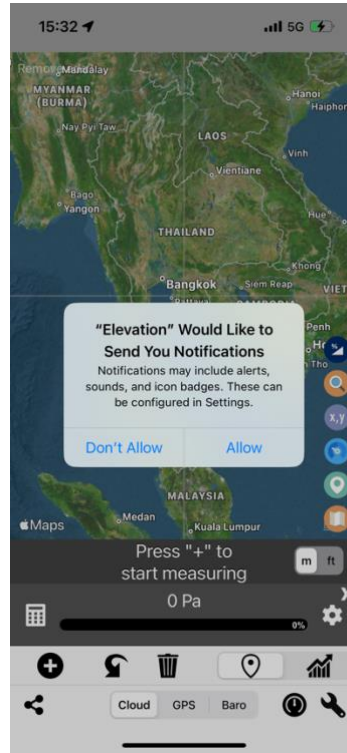
Note: This instruction applied to iOS Version Only.

4. Launching the app for the first time

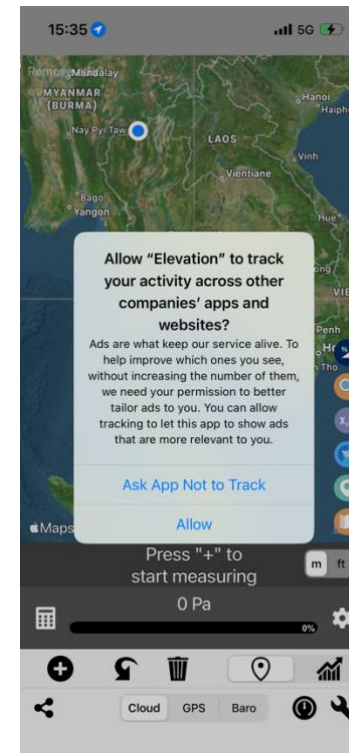
You will see these popups right after you launch the app. Please make sure you choose the right one to suit your need for the app to work correctly. Note that the screenshot is from Elevation app, but sequence is the same.



Notification Request Popup



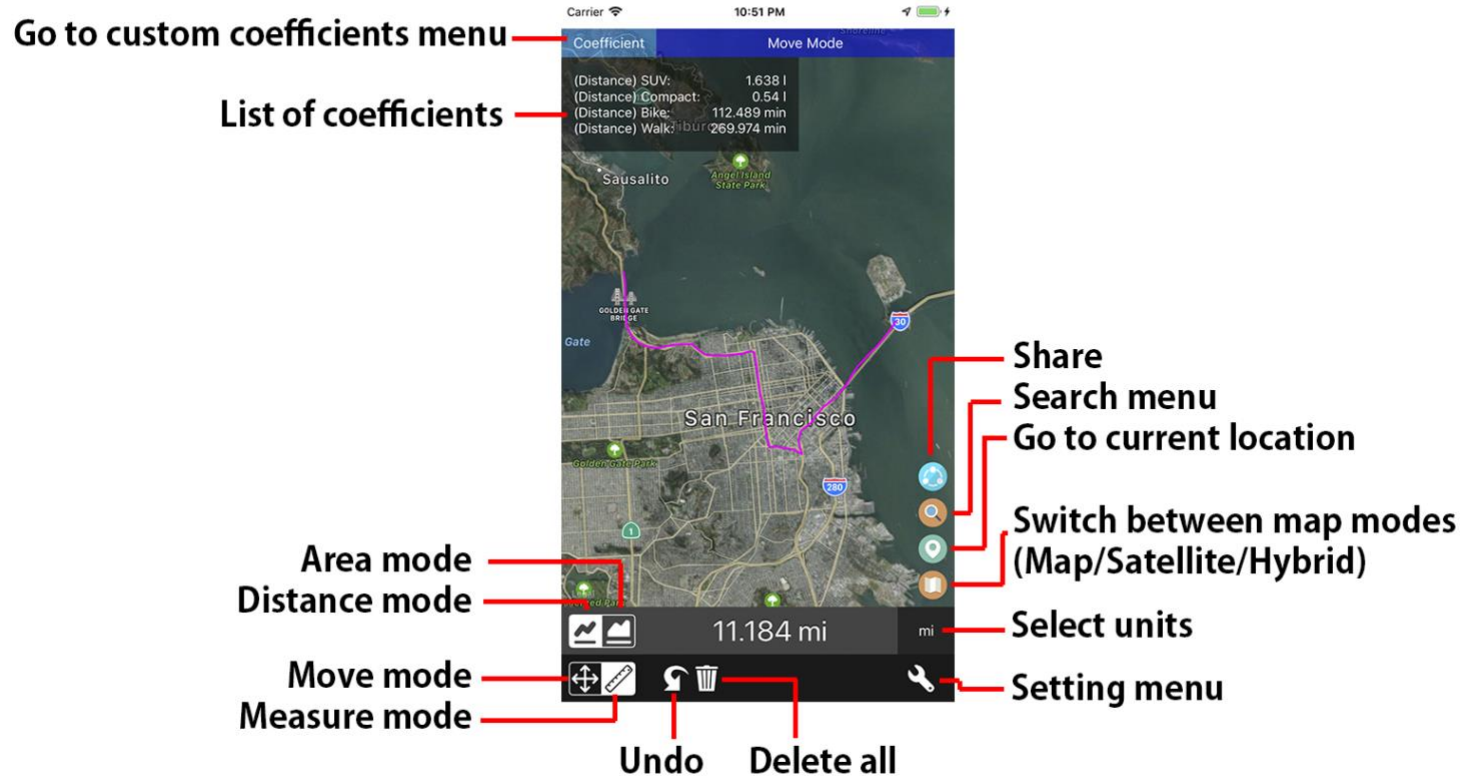
Location Permission Request Popup



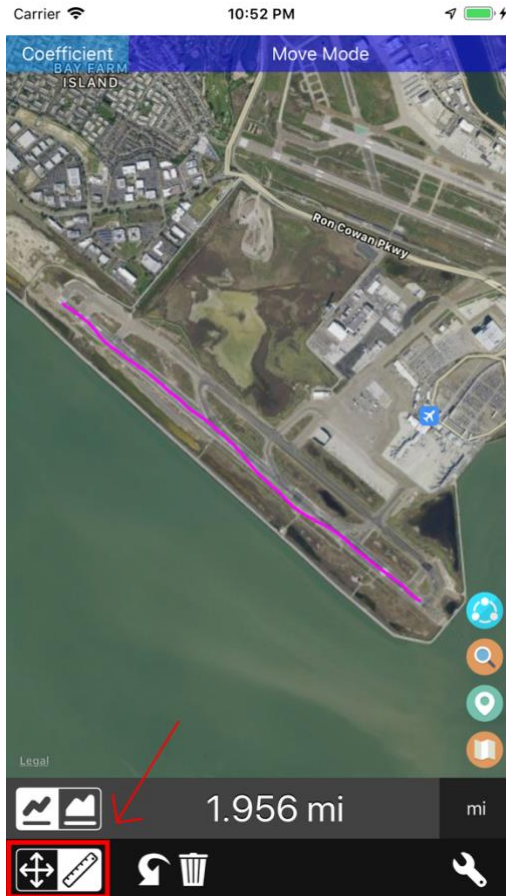
Ad Consent Popup

5. Map Screen (Main Screen)

You may press on the link provided to skip to more detail explanations of each button/feature.





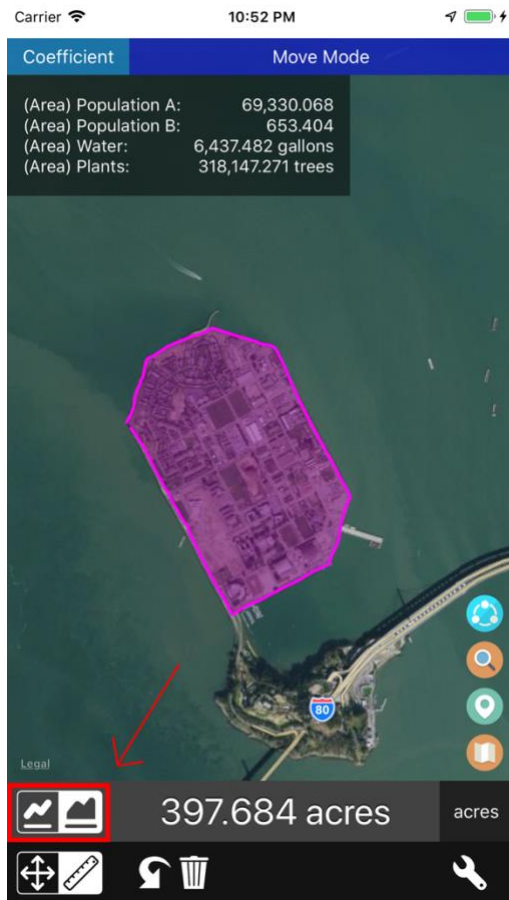
6. Basic usage




6.1. Switch between move and measure mode


Press this switch to select desired mode.

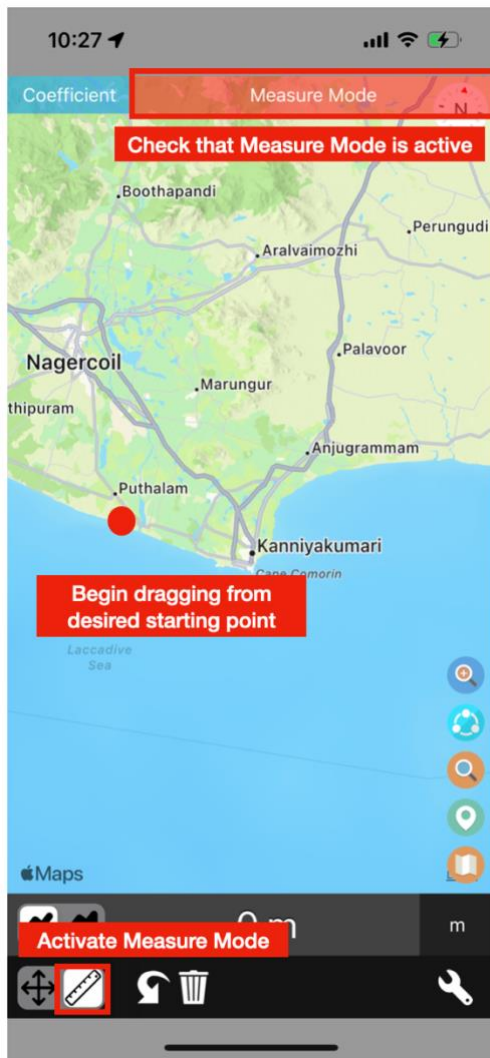
- "Move" () mode allow you to move the map around before you start.
- Switch to "Measure" () mode to begin your measurement



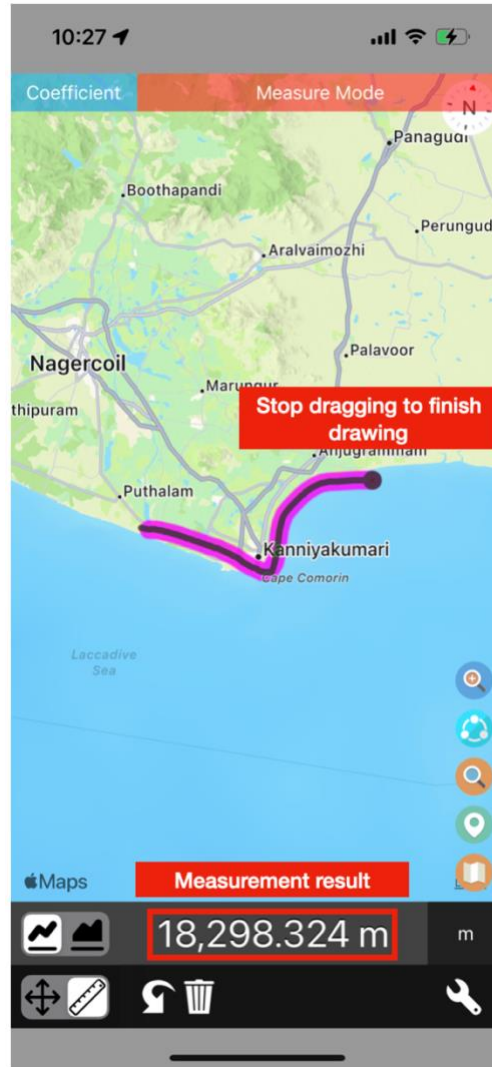
6.2. Switch between distance and area measurement

Select "Line" () button to switch to distance measurement mode.

Select "Area" () button to switch to area measurement mode.



Start measurement

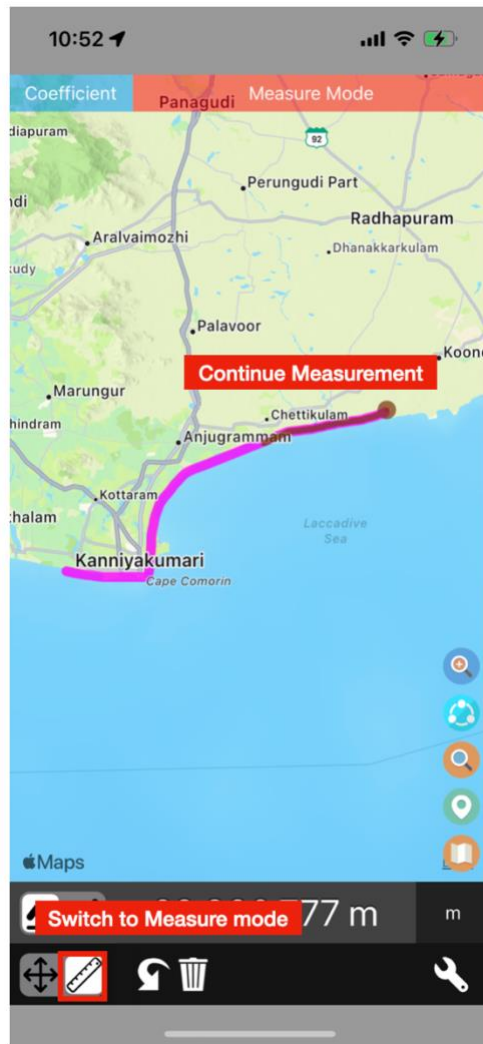
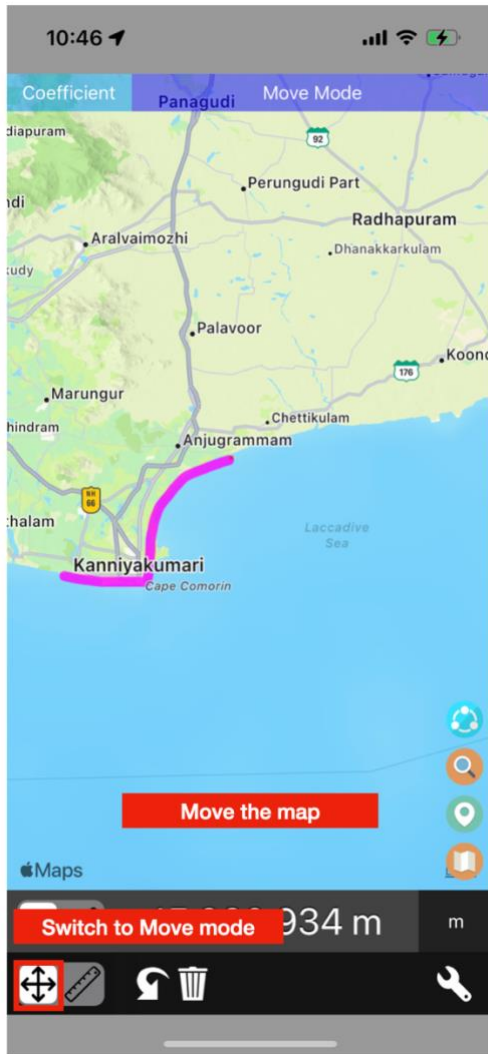


Finished Measurement

6.3.Draw

While “Measure” mode is active, draw path or shape on the map to start measuring.

In “Setting” menu (Wrench button on the bottom right), you could disable **Auto-Reset** to make it possible to keep switching between “Move” and “Measure” mode without losing progress.

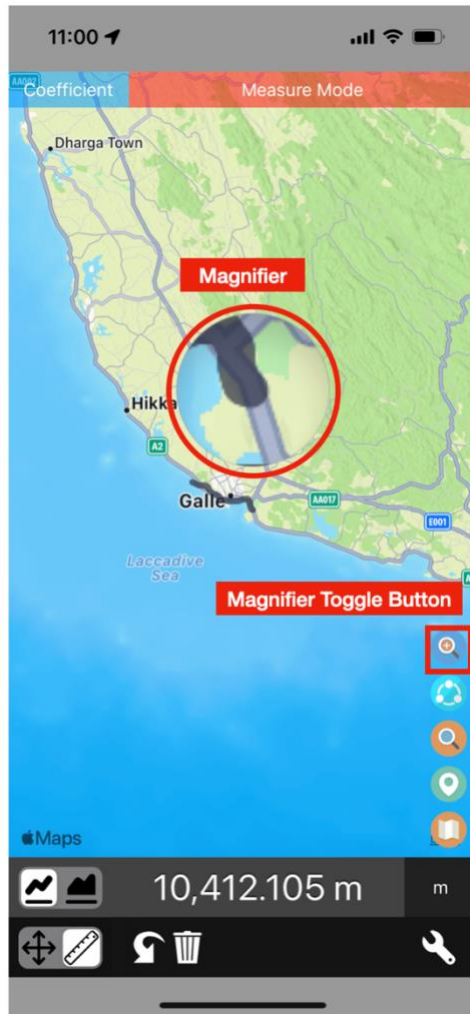


6.4. Continue Drawing

Switch back to “Move” mode to finalized previous measurement. Measured line is turned into pink color.

Move the map, then switch to “Measure” mode. Continue drawing.

Repeat if necessary.



6.5. Magnifier

To see what you drew under your finger you can enable “Magnifier” to make it much easier to draw much more accurately. During “Measure” mode, press “Magnifier Toggle” button on the sidebar to toggle magnifier on or off.

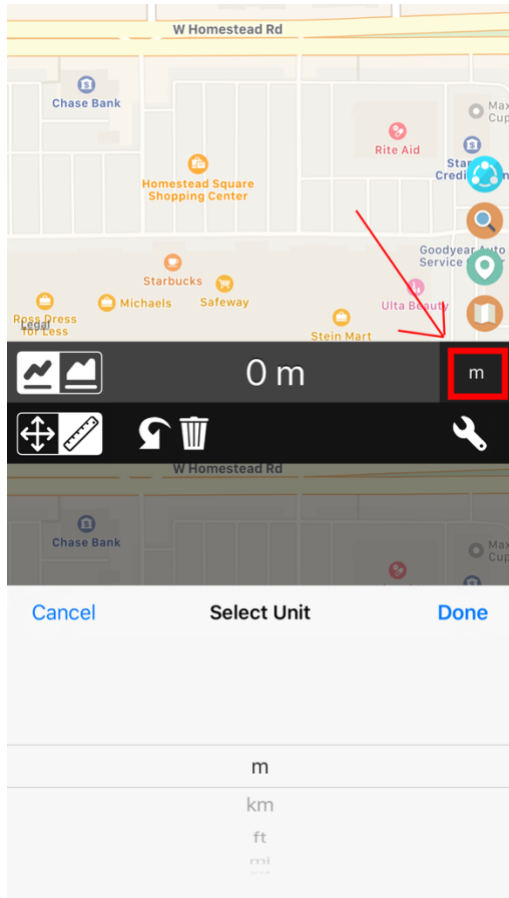


Magnifier Off



Magnifier On

When on, Magnifier will appear while dragging on the screen.



6.6. Change Unit

Press "Unit" button to switch between desired unit

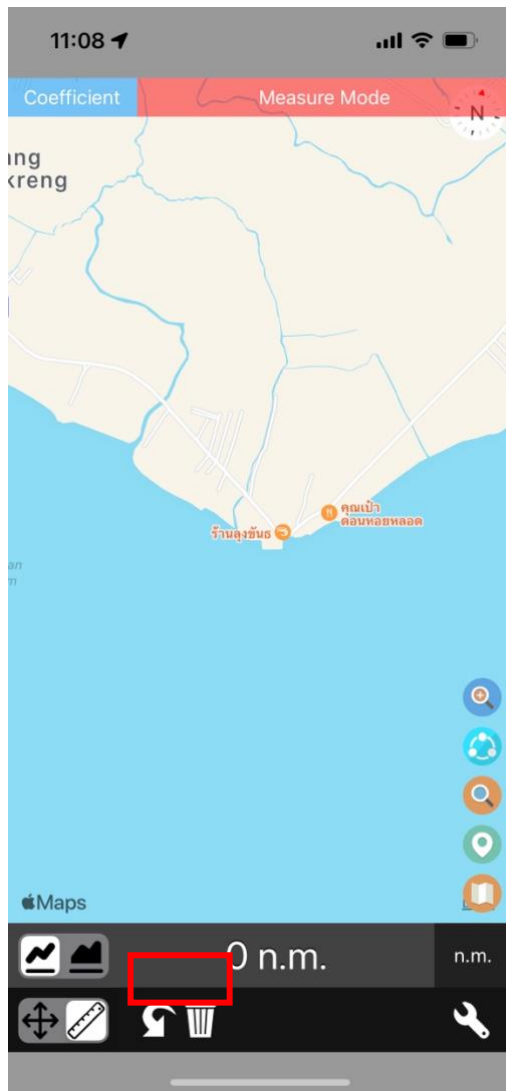
Available Distance Units:

- m** – meter
- km** – kilometer
- ft** – feet
- mi** – mile
- yd** – yard
- n.m.** – nautical mile

Available Area Units:



- m²** – square meter
- km²** – square kilometer
- mi²** – square mile
- ft²** – square feet
- acres** – acres (43,560 square feet or 4,840 square yards)
- yd²** – square yard
- are** – are (100 square metres)
- hectare** – hectare (10000 square metres)
- homestead** – homestead (647497.027584 square meter)
- rood** – rood (10890 square feet or 1011.7141056 square meter)
- rod²** – square rod (25.29285264 square meter)
- township** – township (93239571.9721 square meter)
- rai** – rai (1600 square meter)
- ngarn** – ngarn (400 square meter)
- wa** – wa (4 square meter)

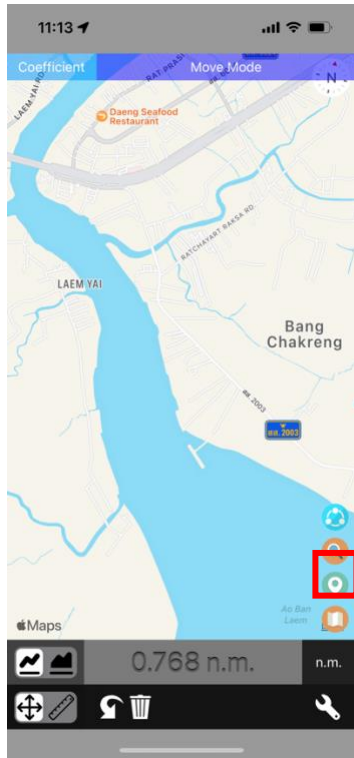
tatami – tatami (1.62 square meter)
pyeong – pyeong (3.306 square meter)
oxgang – oxgang (60000 square meter)
nook – nook (80937.128 square meter)
arpent – arpent (3418.89 square meter)



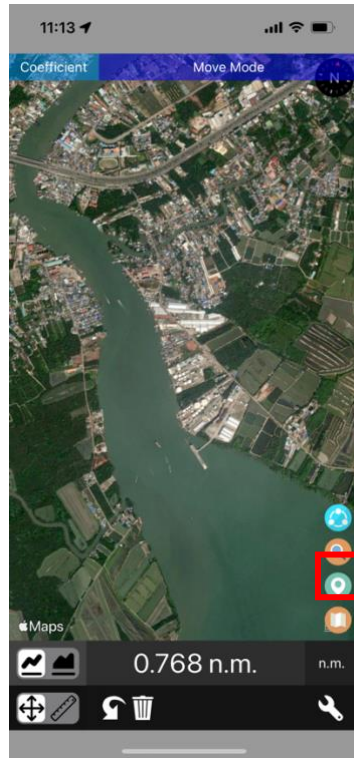
6.7. Undo / Delete

If you made any mistake. You can press either Undo or Delete to fix what you measured previously.

- Press “Undo” () to remove a small segment of what you drew, repeat until you done remove all errored segment.
- Press “Delete” () to remove everything you drew on the screen.



Normal Map




Satellite Map



Hybrid Map

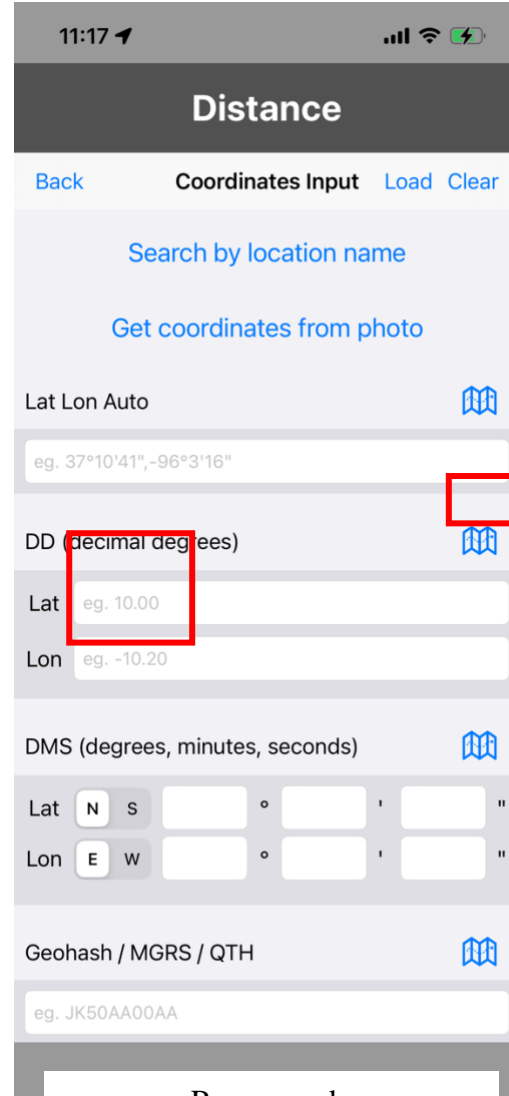
6.8. Change Map

Press "Map" () button to switch between map layers.

- Normal map – Standard vector map
- Satellite map – Satellite map
- Hybrid map – Satellite map with street and point of interest




Single Point mode




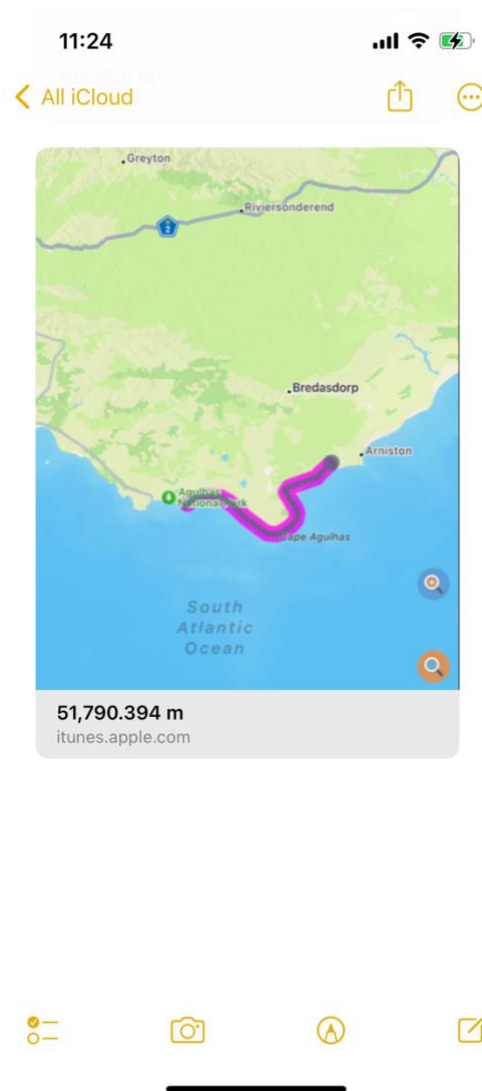
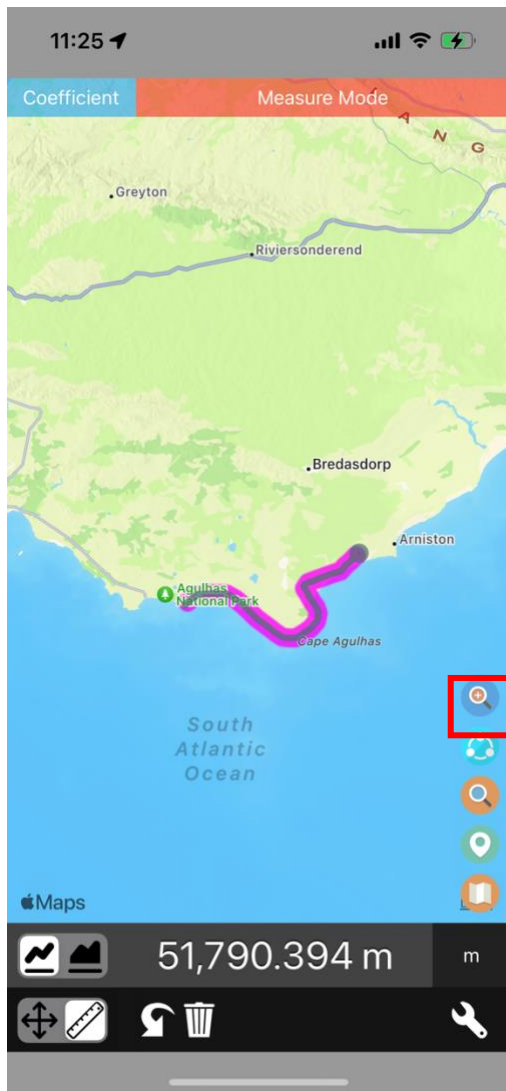
Range mode

6.9. Search


Press "Search" () button to open "Coordinates Input" menu.

From here you can type coordinates point in various format.

Once finished typing location, press "Map" () button to go back to the map with that location.



6.10. Share

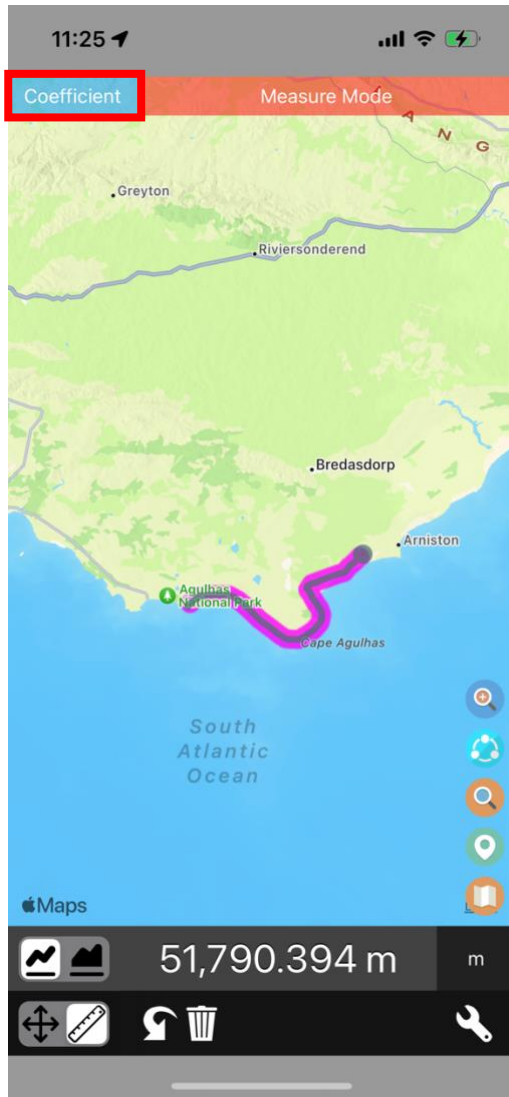
You can share your drawing through “Share” () button.

Once finished drawing, press share to begin sharing sequence.

Select destination app.

In this example, we share to note app.

Screenshot, Measured Distance/Area and App URL are included here.



7. Coefficient

7.1. Access

Press “Coefficient” button on the top bar to access Coefficient menu.

Coefficient

Mode: **1** Distance Area

Description: **2** Car, Bike

Base unit: **3** m

Coefficient: **4** 0.765

Result Unit: **6** Litre, cal

7 Add

Delete all Edit

Coefficient

Mode: Distance Area

Description: eg. Car, Bike

Base unit: km

Coefficient: **1/x** eg. 0.765

Result Unit: eg. Litre, cal

Add

Delete all Edit

[BMW] Base unit: km (Distance) / Coefficient:
0.2 / Result Unit: Litre

7.2. Type value

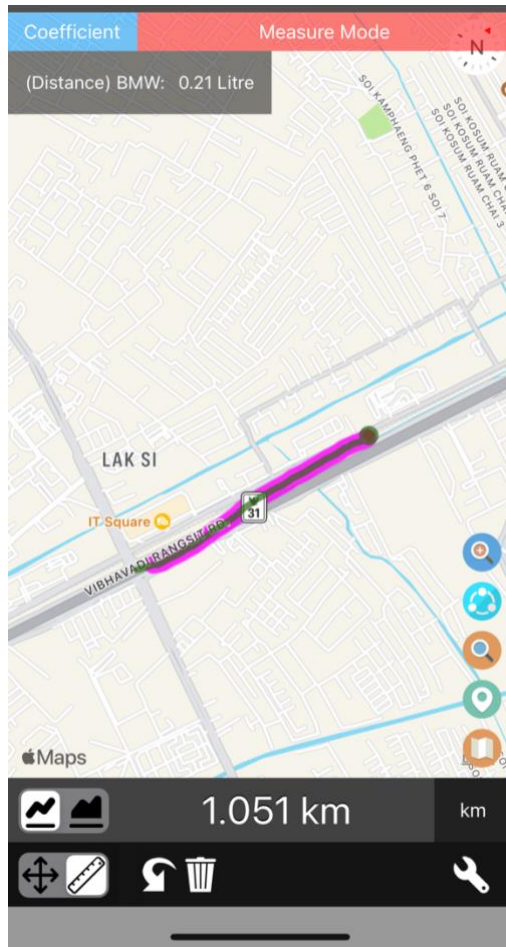
In this example we will estimate fuel consumption of a BMW. Which has a fuel efficiency of “5 km per litre”.

Please follow these step to type in values

1. Select Distance or Area
2. Type a name of new coefficient. In this example we type “**BMW**”
3. Select distance/area unit. In this example we select “**km**”
4. Type in coefficient value.
In this example, our BMW can travel **5km per litre**. We need to convert this to **Litre per km**. Which is 0.2km per litre. So we type **0.2** on the text box.
5. This button help us quickly calculate “1 divided by x value”. We can type 5 on previous textbox, then press this button to get 0.2 value.
6. Type a coefficient unit. In this example, “**Litre**”
7. Press “**Add**” to add new coefficient

Add more, Edit or Delete as necessary

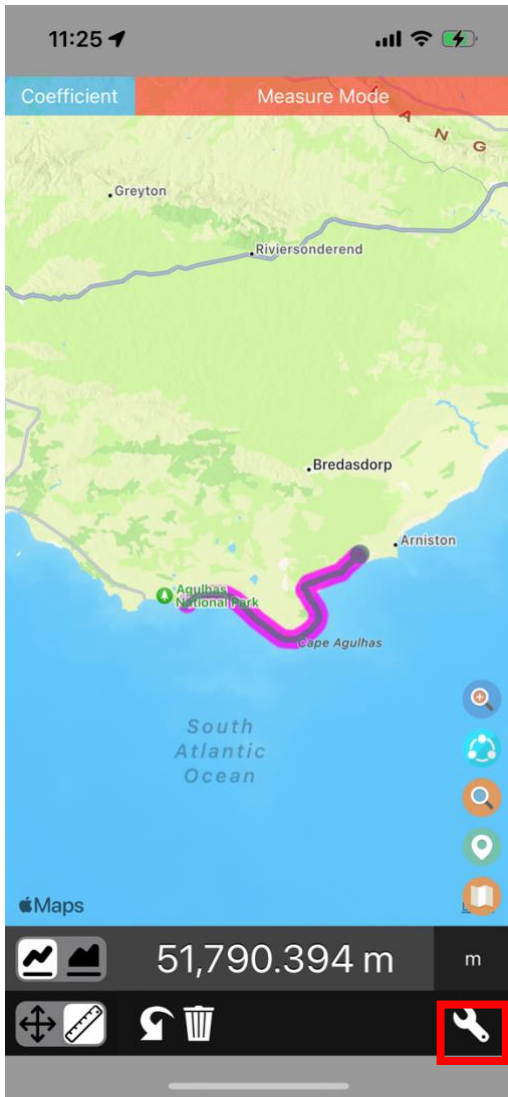
Note that free version of the app is limited to two coefficient value only. Please subscribe to add more than two values.



7.3. Measure

Once you begin measurement, a coefficient value will be shown on the top left of the screen.

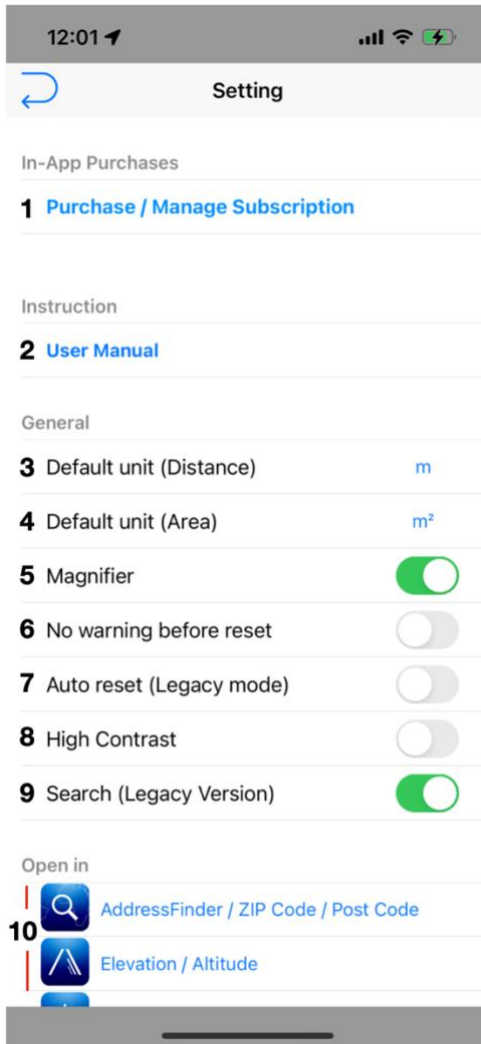
In this example, for around 1km. The BMW consume about 0.2 Litre.



8. Setting

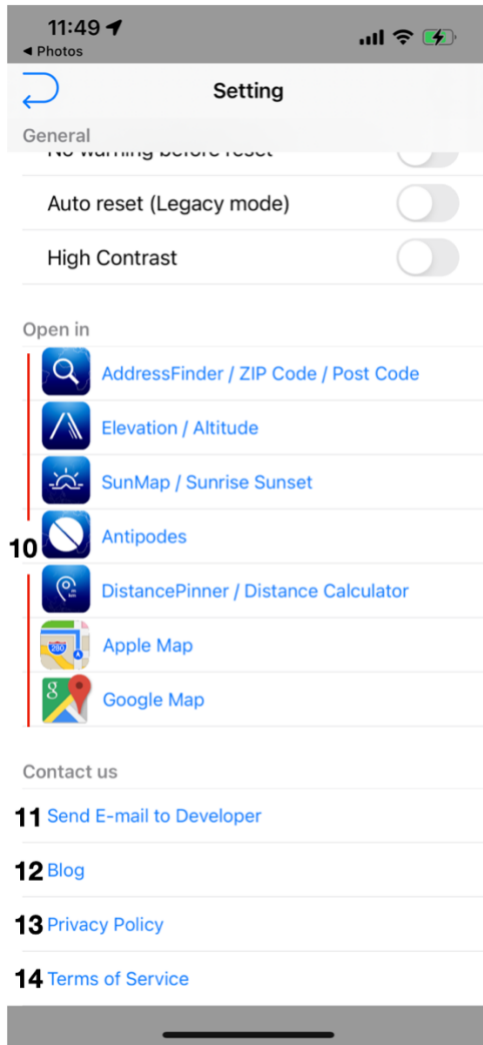
8.1. Access

Press “Setting” (🔧) button to access setting menu.



8.2. Setting 1

1. You may purchase / manage optional subscription to remove ads from this application by pressing “Purchase / Manage Subscription” button.
2. Go to Instruction website. <https://mapnitude.com/distance>
3. Change default distance unit
4. Change default area unit
5. Enable/Disable Magnifier
6. Remove warning when deleting line
7. Remove all line when switch to Move mode after finished drawing
8. Increase line contrast
9. Enable legacy search mode
10. Open center coordinates in different apps.



8.3. Setting 2

11. Send email to developer

Alternatively, you can send a message us through these channels.

<https://mapnitude.com/support>
support@mapnitude.com

Please feel free to talk to us regarding app update feature suggestion, bug reports, etc.

12. Read our blog. We are mostly active here.

<https://mapnitude.com/blog>

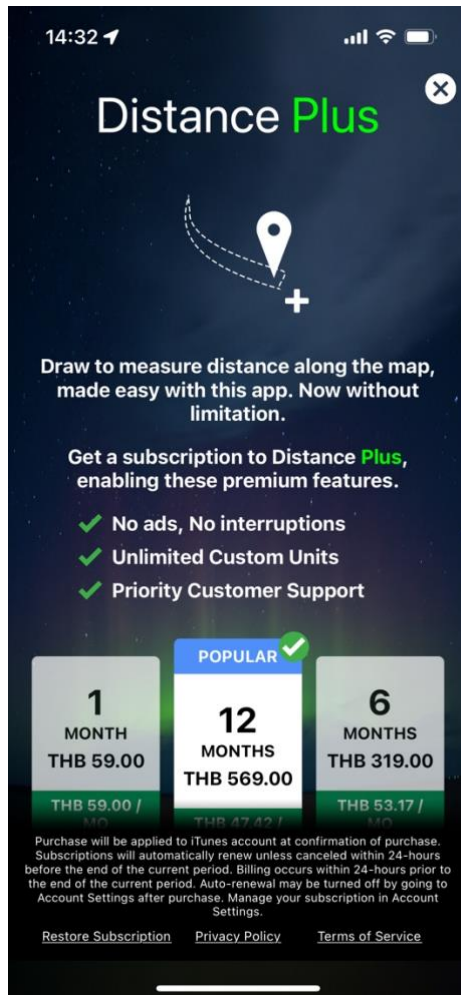
13. Privacy Policy

<https://mapnitude.com/privacy-policy>

14. Terms of Service

<https://mapnitude.com/terms-of-service>

9. Subscription

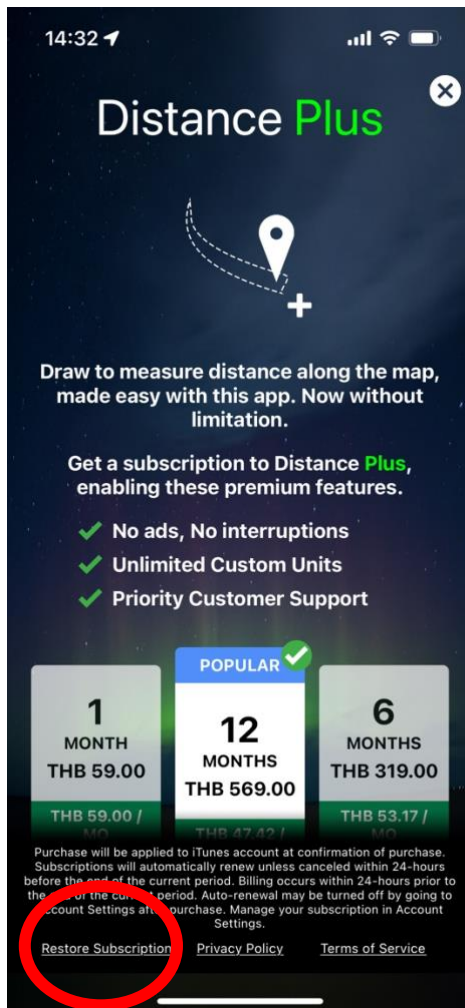


9.1. Purchase for subscription

If you would like to upgrade your app experience and remove ads, you can purchase a subscription. To do so, follow these steps:

1. Access app setting by pressing on "Setting" (🔧) button
2. Tap on the "Purchase/Manage Subscription" option in the setting menu.
3. Review the subscription options and select the one that you prefer.
4. Tap on the "Continue" button to begin the purchase process.
5. Follow the prompts to enter your payment information and complete the purchase.

Please note that purchasing a subscription is optional and not required to use the app. All features of the app are available to all users, whether or not they have purchased a subscription.



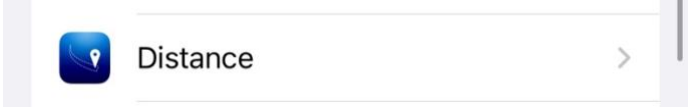
9.2. Restore subscription

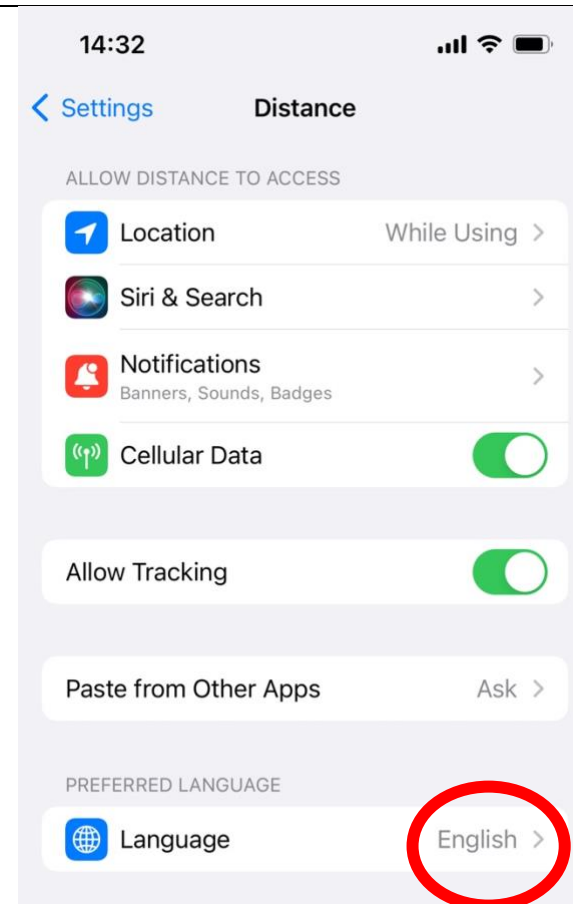
If you have previously purchased a subscription and it has not yet expired, but ads are still appearing in the app, you can try to restore your subscription to remove the ads again by following these steps:

1. On the "Purchase/Manage Subscription" page, press the "Restore Subscription" button.
2. Login to the same Apple account that you used to purchase the subscription, then follow instructions.

10. Troubleshooting

Most of the workaround are taken from <https://mapnitude.com/faqs>

| | |
|--|---|
| <p>The map contain false information. Cloud all over the place. Satellite image out of date.</p> | <p>Unfortunately we do not own these map data since they are provided by Apple Map. Please contact them directly if you have issue https://www.apple.com/feedback/maps_ios.html</p> |
| <p>I previously purchased the subscription, but the ads still appear on the app</p> | <p>Please see 9.2 Restore subscription</p> |
| <p>The app is in wrong language.</p> | <p>Some apps support multiple languages. However in some cases it may display wrong languages if your locale setting isn't set properly. Please do the following to fix this issue:</p> <p>Method 1: (Recommended)</p> <ol style="list-style-type: none">1. Go to device's Settings / Scroll down until you see Elevation app.  <ol style="list-style-type: none">2. Change languages as required |



Method 2: Change device's language

Go to device's Settings / General / International / Language

1. Select English or any other language you understand with as a secondary one.
2. Tap Done

| | |
|-------------------------------------|--|
| | <p>3. Once the device's language has been changed, change it back to your main language.</p> |
| There's translation error | Send us a message and we will fix it asap. |
| I would like to cancel subscription | <p>Please follow this instruction</p> <p>https://support.apple.com/en-us/HT202039</p> |
| My GPS accuracy is bad | <p>Improving GPS accuracy</p> <p>GPS accuracy varies depending on the number of visible GPS satellites. Locating all visible satellites can take several minutes, with accuracy gradually increasing over time.</p> <p>Use these tips to improve GPS accuracy:</p> <ul style="list-style-type: none"> • Ensure the date, time, and time zone are correctly set on the device in Settings > General > Date & Time. If possible, use Set Automatically. <ul style="list-style-type: none"> ◦ Important: Incorrect settings on your computer can sync to your device. Verify the date, time, and time zone on any computer that syncs with your device. • Restart your device. • Verify that you have a cellular or Wi-Fi network connection. This allows the Assisted GPS (A-GPS) on the device to locate visible GPS satellites faster, in addition to providing initial location information using the Wi-Fi or cellular networks. |

| | |
|--|--|
| | <ul style="list-style-type: none">○ Note: Microcells (sometimes called Femtocells) are not supported with Location Services.● Maintain a clear view of the horizon in several directions. Keep in mind that walls, vehicle roofs, tall buildings, mountains, and other obstructions can block line of sight to GPS satellites. When this occurs, your device will automatically use Wi-Fi or cellular networks to determine your position, until the GPS satellites are visible again. |
|--|--|

11. Other apps my Mapnitude

Please check links on the right for full list of apps.

App Store Preview

Mapnitude Company Limited
iPad & iPhone



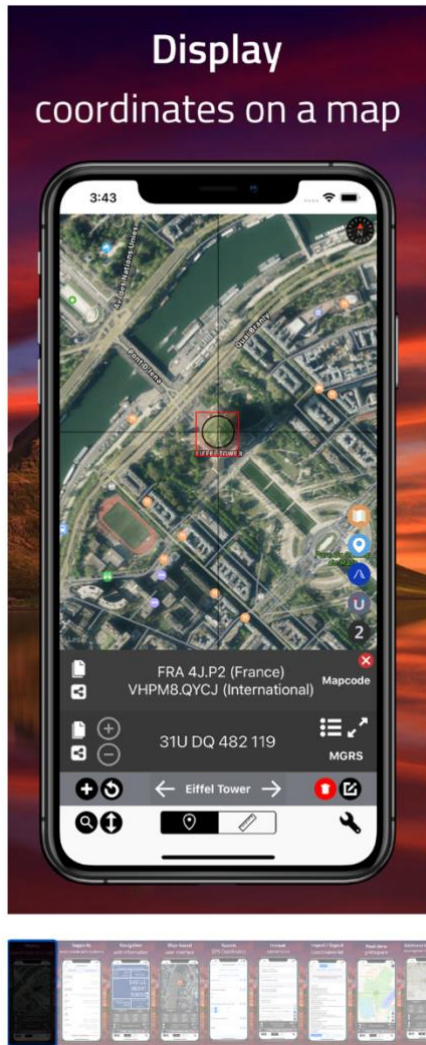
iPhone/iPad

<https://apps.apple.com/us/developer/mapnitude-company-limited/id473558784?see-all=i-phonei-pad-apps>



Android

<https://play.google.com/store/apps/developer?id=Mapnitude+Co.,+Ltd.>



11.1. Coordinates



Simple and easy to use app for determining geolocation coordinates of various formats. Just find your location in the center of the screen (where the grey-line intersects), and result will appear instantly. Search location by name of place, city, state, or country. It also supports several coordinate formats and systems, such as the Universal Transverse Mercator coordinate system (UTM), Military grid reference system (MGRS), and World Geographic Reference System (Georef) and many more.



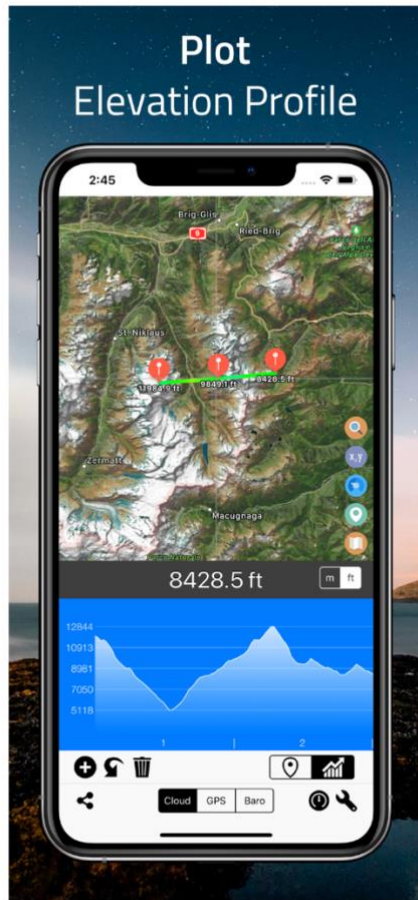
App Store

<https://itunes.apple.com/us/app/coordinates-calculate-and-convert-a-position/id494286614?ls=1&mt=8>



Google Play

<https://play.google.com/store/apps/details?id=com.myice92.coordinates>



11.2. Elevation



Know your current elevation, altitude, height above sea level easy with this app.

Get elevation data from cloud, build-in GPS, or build-in barometer in your device. Use the app as standalone barometer, and much more!



App Store

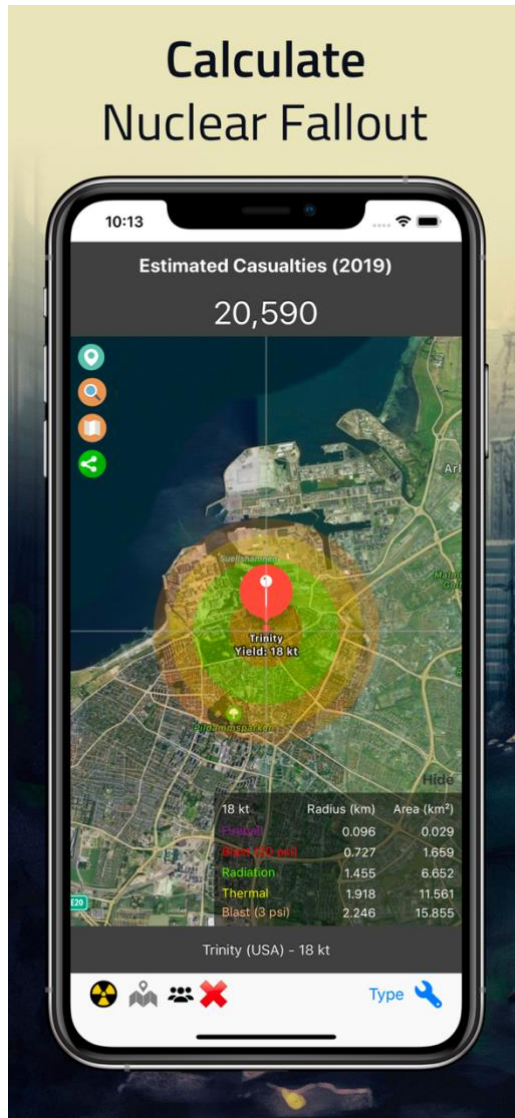
<https://itunes.apple.com/us/app/elevation-height-above-sea-level-altitude-map/id480740433>



Google Play

<https://play.google.com/store/apps/details?id=com.myice92.elevation>

Calculate Nuclear Fallout



11.3. BlastSim



Draw to measure distance along the map, made easy with this app. Now with area measurement and custom coefficients.

By simply dragging on the screen. Draw a route on the map to find its distance. Magnifier will help you make precise drawing and measurement.



App Store

<https://apps.apple.com/us/app/blastsim/id1441173322?ls=1>



Google Play

<https://play.google.com/store/apps/details?id=com.myice92.blastsim>

12. Contact Us

To contact us, you can use the in-app email feature or visit our website.

<https://mapnitude.com/support>

We appreciate all feedback and are always looking for ways to improve our app. If you have any questions, suggestions, or issues, please don't hesitate to send us a message. We will do our best to respond to your message as soon as possible.

We value your input and hope to work together to make our app the best it can be. Thank you for using our app!

13. Change Log

4 Jul 2023
1.0.0 – Document creation

