

Quick Guide

An Introduction to Avenza Maps.











Avenza Maps

Avenza Maps is a powerful app for Android and iOS devices that provides a variety of tools for use with georeferenced maps, both online and offline. Maps can be imported from your own source, or downloaded from our Map Store, which contains thousands of professionally made maps from cartographers worldwide.

This introductory guide will help you navigate, understand, and start using Avenza Maps.



Table of Contents

1.0	Get	ting Maps	3
2.0	Мар	o Store	4
	2.1	Accessing Maps	5
	2.2	Importing Map Features	6
	2.3	Exporting Map Features	7
3.0	Мар	o View Overview	8
	3.1	Navigation Panel	9
	3.2	Create Placemarks	10
	3.3	Map Tools	11
	3.4	Layers	15
	3.5	Attribute Schema	17
4.0	Set	tings	18
	4.1	Account	19
	4.2	Help	20
	4.3	Subscription	21
	4.4	Customization	22

1.0 Getting Maps

You can import your own maps from a custom location or download them from the 📜 Map Store.

You can add custom maps from the My Maps page by tapping . Maps downloaded from the Map Store will be available in this list as well. The next section will describe how to get maps from the Map Store.

Supported Formats

Avenza Maps currently supports the following formats:

- Avenza Maps File (.avenzamaps, .pdfmaps)
- Custom Scheme (avenzamaps://, pdfmaps://)
- GeoPDF (.pdf)
- Geospatial PDF (.pdf)
- GeoTIFF (.tiff, .tif)
- JPG (.jpg must be packaged with either a TFW & PRJ / JGW & WKT in a ZIP file)

9:47	1	?
Close	Import map	00 0X
GET A	MAP FROM AVENZA MAP STORE	
ŗ	Get a map from the store Browse, purchase and download maps from the Avenza Map Store. You can have an unlimited number of Map Store maps on your device.	>
?	Request a map Tell us about a great map you would like to see in the Map Store	>
STORA	GE LOCATION	
	From iTunes file sharing Import a map from your computer through iTunes File Sharing	>
*	From Dropbox Import a map from Dropbox	>
\bigcirc	From storage locations Import a map from cloud storage app or from a location on your device	>
	From the web	>
My map	DS Layers Store Set	ttings

2.0 Map Store 🚬



An Avenza Maps account is free to create and allows you to download maps, and manage your subscriptions. Make sure to have an account before using the Map Store.

In the Map Store, you can search for and download millions of free and paid maps created by professionals from around the world. Browse maps based on category, popularity, location and more.

View additional map information and preview it before downloading/ purchasing a map.

2.1 Accessing Maps 🔀

Here you can view all downloaded and imported maps, create and edit collections and folders.

Access or create a Map Store account (see Section 4.1 for more details).

 $\underline{\mathscr{O}}$ Edit maps, folders, and collections in this list.

•••• Resume active map downloads and check for updates.

- ∇ Filter the My Maps list.
- Q Search a map in the My Maps list.



2.2 Importing Map Features 🕁

Import custom map features directly to your Map View or Layers in KML/ KMZ formats, or .SHP (PRO) in a ZIP package.

You can access the Import Map Features page directly from Map View or Layers.

Features or Schema

when importing map features you have the option to import map features and schema, or schema only. Importing schemas will not import any features, only styling and attribute information. All attribute schemas must be in KML/KMZ formats.

9:41		?
Close	Import layers	00 0::
Import plac from one of	cemarks, tracks, lines and ar f the following sources	eas
Upgrade to Subscribed u SHP (Pro)	Pro PRO	>
Recently us	sed	>
From iTune	s file sharing	>
From Dropt	рох	>
From storag	ge locations	>
FROM THE WE	B	
Type or pas	SLE UKL NERE	
SETTINGS My maps	Layers Store	O Settings

2.3 Exporting Map Features 位

9:41		"" S ""
Close	Export settings	Export
FILE NAME		
All layers.kml		
FORMAT		
KML		>
TRACK EXPORT		
As track		>
DATA		
All features		\bigcirc
Schema only	1	0 layers 🧹
Custom		\bigcirc
IMAGE SIZE		
Small	10	024x768 >
My maps	Layers Store	O Settings

Export custom map features such as placemarks, tracks, lines, areas, and more directly from Map View or Layers in KML, CSV, GPX, or .SHP formats. You can export map features directly from Map View or Layers.

Note: to re-import data into Avenza Maps, map features must be in KML/ KMZ or .SHP formats.

Track Settings

When exporting data that contains tracks, you have the option to export it as a track or a line. This will determine what feature/tag type is assigned to track features and should be chosen based on the desired output of the data.

Images

Exported images are supported in two formats: KML/KMZ (exported file will be a KMZ with the photos contained with a folder), and .SHP exported as a ZIP file.

3.0 Map View Overview 💸



Entering the Map View, you can access many of Avenza Map's features and tools including viewing, searching, and editing map information.

The following gestures are supported in Map View:



Single tap: show/hide toolbar and labels



Single tap + drag: pan the map



Single tap + hold on placemark: reposition placemark



Double tap: zoom in



Two finger tap: zoom out

Colomy Two finger rotate: rotate map

3.1 Navigation Panel 🖓

Swiping up from the bottom menu enters the Navigation Panel. With Location Services enabled you can view location, tracking, and navigation properties within the map.

Location:

View your current location, orientation, and coordinates in real time.

Tracking:

Track your path on your map to create an editable map feature.

Navigation:

Project your destination, navigate to a feature, enter coordinates, and create routes.



3.2 Create Placemarks 📀

9:4	11		al 3	
< в	ack	Placemark	\odot	88
Q	Search			×
RECE	NT			
Q	Green pir	1		\bigcirc
Q	Orange p	in		\bigcirc
Q	Red pin			I
AVEN	ZA SYMBOLS			
Q	Blue pin			\bigcirc
Q	Green pir	1		\bigcirc
Q	Orange p	in		\bigcirc
Q	Purple pir	ו		\bigcirc
Q	Red pin			Ø
Q	Yellow pir	٦		\bigcirc
RECR	EATIONAL SYN	IBOLS		
	Alert			0

Tap the Placemark icon O to create a new Placemark.

Placemarks are point of interest on your map that store geographic information and other details. You can manage Placemarks by tapping them on the Map View or through the Layers screen.

Custom Icons and Colors

You can add your own icons to Avenza Maps for map features such as placemarks. They can be imported in KML/KMZ format independently, or external sources like Google Earth.

Photos

Avenza Maps requires permissions to access your camera and gallery so you can add photos to your maps.

Custom icons and colors can be imported from the Map View or Layers pages.

3.3 Map Tools 🛷

Tap the Tools icon 🛷 to access more features.

Draw and Measure

Draw, measure and save areas, circles, and lines on the map.

Draw and Measure a Line:

tap on the preferred location to start drawing a line, tap again add points to your line, then tap the check mark icon to end.





Draw and Measure an Area:

tap on the preferred location to start drawing a line, when you have a minimum of two points on your line, tap the pointed line icon to create an area instead.



Draw and Measure a Circle:

tap on the preferred location to start drawing a line, when you have a line drawn out, tap the circle icon to enable. You can edit the size of the circle by dragging your crosshair.



Drawing using Point by Point or Course and Distance:

with the tool open, long press on the preferred location and a display will appear at the top. Click on it and you alternate between Course and Distance or Point by Point.

Course and Distance: tap on the preferred start location, course and distance can be edited by tapping on their fields.

Point by Point: input known coordinates for each point along your line.

Total: 126.34 k	m	¢۴
Segment	Bearing	
58 km	5°	
Point		
34°45′00.2" N, -	103°45′58.0" W	

Record GPS Tracks

With Location enabled, you can record your tracks on the map.

Once you record a track, you can view it and export it. racks can be edited directly by tapping them on the Map View or through the Layers screen.



Navigate to a Destination

With Location enabled, you can navigate to a point on the map by projecting to a point, selecting an existing feature, entering a coordinate or creating a route from multiple features.



Find by Coordinates

Find a location on the map based on known coordinates.



Plot GPS Average

Record a number of fixes from your location and plot the average as a placemark on the map. This is a Pro feature.



Monitor Geofences

Turn features or your map into geofences with proximity notifications.



Open View in Google Maps

View your current map and location in real-time on Apple or Google Maps.

Plot Photos

Use geotagged photos from your photo library or another source to automatically create a placemark where that photo was taken.

Close	Plot photos	
	Forest south area	>
	West area view 1	>
	West area view 2	>
	Forest (4)	>
	North part	>

3.4 Layers **⊗**

Layers contain map features such as areas, lines, points, and tracks. You can manage layers from the Map View and Layers screens.

Layer tools:

- adding/deleting layers
- moving map features between layers
- setting active layers
- locking layers, and more.

9:41		.ıll 🗢 🔲
Close	Map layers	Edit
Q Se	arch	
\$	My last tourist route 3 layers = 26 objects	0
\$	Fishing spots 35 objects	\bigcirc
\$	Other mountain trails Empty	Þ
\$	Alaska hunting locations 2 layers • 17 objects	\bigcirc
\$	Beautiful mountain 3 layers • 8 objects Active • Locked	\bigcirc
\$	Photo library 3 objects	0
\$	US hunting spots 1 layer • 29 objects Locked	Þ
	ڻ ژ	Ċ

Active Layers

Enable this setting to automatically add new features to that layer. This includes adding custom attributes created for that layer. You can only have one Active Layer per map at one time.

Some map features will override Active Layer settings, but can later be moved to active layers:

GPS Averaging: all new placemarks will be added to a new layer called Averaged Placemarks. This is done so custom GPS averaging metadata that's created (i.e. specific attributes) don't conflict with existing layer schema.

Imported Layers: all imported data and map features will import to its own layer rather than the Active Layer.

Plot Photos: adding photos or placemarks as photos will add them to a new layer called Photo Library.

Celti layer LAYER NAME New layer LAYER Lock layer Layer is Active PLACEMARKS Default icon Placemark name TRACKS AND LINES Style LINKED MAPS	9:41		.ul 🗢 🔲
LAYER NAME New layer LAYER Lock layer Layer is Active Active PLACEMARKS Default icon O > Default placemark name > TRACKS AND LINES Style >	< Back	Edit layer	
New layer LAYER Lock layer Layer is Active Active PLACEMARKS Default icon Default placemark name TRACKS AND LINES Style LINKED MAPS	LAYER NAME		
LAYER Lock layer Layer is Active Active PLACEMARKS Default icon Official Placemark name TRACKS AND LINES Style LINKED MAPS	New layer		
Lock layer Active Active Active PLACEMARKS Default icon Default placemark name TRACKS AND LINES Style LINKED MAPS	LAYER		
Layer is Active Active PLACEMARKS Default icon Default placemark name TRACKS AND LINES Style LINKED MAPS	Lock layer		
PLACEMARKS Default icon	Layer is Active		Active
Default icon Image: Constraint of the second se	PLACEMARKS		
Default placemark name > TRACKS AND LINES > Style > LINKED MAPS >	Default icon		>
TRACKS AND LINES Style	Default placema	rk name	>
Style >	TRACKS AND LINES		
LINKED MAPS	Style		>
	LINKED MAPS		
Not linked to any map	Not linked to any m	ар	
Link to maps Unlink from all	Link to maps	Unlink	from all
My maps Layers Store Settings	My maps Laye	ers Store	Settings

3.5 Attribute Schema 📚

Attribute schema lets users create a series of attributes for a layer to make data collection easier. You can access and manage attribute schema from the Layers screen. To edit/use an attribute you must have an established layer and map feature such as a placemark, line, track, or area.

Importing and exporting attribute schema can be done from the Map View or Layers screen.

Picklist

A picklist helps streamline data creation. It can be created in the attribute schema page. Defining values in a picklist means you no longer need to input values individually for each feature with this attribute.



Note: once imported, a schema will be on its own layer and may require additional changes for data collection, such as moving it to the appropriate layer, and/or setting it as an active layer).

4.0 Settings 🗘

9:41	''II 🕹 🔲
Settings	
HELP	
Help	>
ACCOUNT INFORMATION	
Account details	>
Backup and Restore	>
SETTINGS	
General	>
Display	>
Units of measurement	>
Map view	>
Manage symbol sets	>
GPS settings	>
My maps Layers Store	O Settings

Tap the Settings icon 🗘 to view and customize your Avenza Maps settings. You can define various inapp parameters to improve customization of your Avenza Maps experience such as changing colors, units, haptic feedback.

You can also access your Pro subscription, adjust map accessibility settings, and view support resources.

4.1 Account 🛞

Manage your map store purchases, re-download previously lost or removed maps, and edit your account details. The Account page can be accessed from My Maps, and Store.

16:44 🔊			
K Back	My accour	nt	Sign out
			
	Signed in a Steven.t@gma	is il.com	
	Download his	story	
	Change email a	ddress	
	Change pass	word	
You can	permanently <u>remo</u>	ove your accou	unt.
	*	•	~
My Maps	Lavers	Store	Settings

4.2 Help ?

Back Help HELP Image: Constraint of the second sec	>
HELP Online help	>
Online help	>
	\ \
Contact Avenza support	
Introduction to Avenza Maps®	>
Re-import Getting Started Map	>
MEDIA	
Rate us on iTunes	>
Follow us on Twitter	>
Like us on Facebook	>
Follow us on Instagram	>
LEGAL	
View license agreement	>
My maps Layers Store	O Settings

Contact Avenza Support, view online articles, and follow us on social media.

4.3 Subscription 88

To access Avenza Maps Pro features, you must either subscribe to Pro in Avenza Maps or enter your subscription details provided by your organization into the Account Details screen. You can also use the QR Code Scanner at the top-right to automatically input your organization's license details.

9:41			? ■
< Back	Account det	ails	00 0::
USERNAME (REQUIRED)			
XXXX - XXXX - XXXX - XXXX			
Type or paste the code you have been provided. Dashes are optional.			
PASSWORD			
Enter password			
Enter the password if you have been provided one.			
FULL NAME (REQUIRED)			
John Smith			
Enter your full name.			
WORK EMAIL (REQUIRED)			
simplebox@gmail.com			
Enter your work email address. If you don't have one, please enter your personal email address.			
ORGANIZATION			
John's Fore	stry Inc.		
My maps	Layers	Store S	O settings
		_	

4.4 Customization 🗄

The Settings submenu contains a variety of features that can help customize Avenza to your preference.

General

Allow usage reporting, change how photos are saved, and more.

Display

Change app theme, map feature colors, and attribute styles.

Units of Measurement

Tweak default units and coordinates with pre-selected or custom formats.

Map View

Edit map view functionality such as display time-out, scale bar visibility, and more.

Manage Symbol Sets

With a Pro account, manage custom symbols imported into Avenza Maps.

GPS Settings

Change location sourcing, fixing, and thresholds when Location is enabled using maps.

Navigation

Change route navigation settings and arrival radius.