







Zeno Mobile Quick Guide

Version 1.0
English

- when it has to be **right**

Leica
Geosystems

Starting Zeno Mobile

Step	Description
1.	To start Zeno Mobile tap the Zeno Mobile App icon  .
2.	<p>Zeno Mobile starts in the Projects overview. When you start Zeno Mobile for the first time you will only find a default project called "Project 1" in the list.</p> <p>Tap on "Project 1" to open the default project.</p> <p> To add a new project tap the  in the upper right corner.</p>  <small>010261.001</small>

Zeno Mobile Components



To navigate **Back**, **Home** or to go to **Open Apps** make use of the hardware buttons on the Zeno 20:



Press the **Back** button on the left to go back one step.



Press the **Home** button to return to the Home screen.



Press the **Open Apps** button on the right to get a list of all open Apps.

The Zeno Mobile Toolbars

Tap the Zeno Mobile toolbar buttons to perform central tasks like:



Take a Measurement



Switch RTK on/off



Center on GNSS



Switch on/off Edit Feature Tool



Switch on/off **gamtec** mode

The Zeno Mobile Notification Area

The **Zeno Mobile Notification Area** at the bottom displays GNSS information:






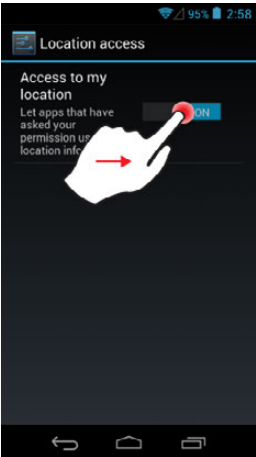
- a) GNSS solution type
- b) Estimated position accuracy
- c) Satellites in use
- d) Antenna in use
- e) RTK connection type


When a notification comes in the status symbols are replaced for a few seconds with the notification text. You are notified if, for example:

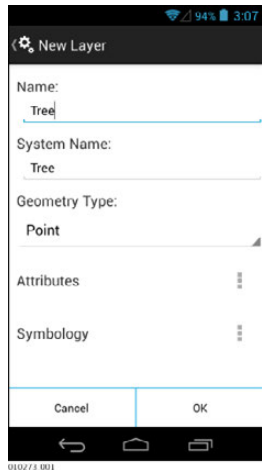
- the GNSS position is lost
- the RTK fix is lost
- the solution type changes (only if accuracy is lost)



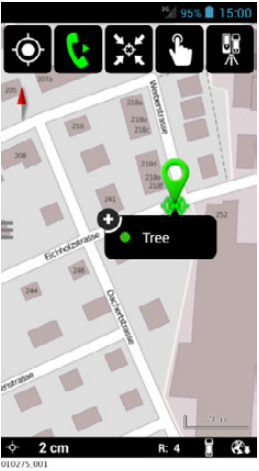
How to measure a Point?



Step	Description
1.	Tap the  toolbar button to take a GNSS measurement. Alternatively, press the  hardware button on the Zeno 20.

Step	Description	
2.	<p>If GNSS is switched off you will directly be guided to the Location access page.</p> <p>Tap the switcher and slide it rightwards to switch GNSS ON.</p> <p> By default, GNSS is off to save battery.</p> <p>Tap the Back button at the bottom to return to the Zeno Mobile Map View.</p>	 <p>01027Z.001</p>

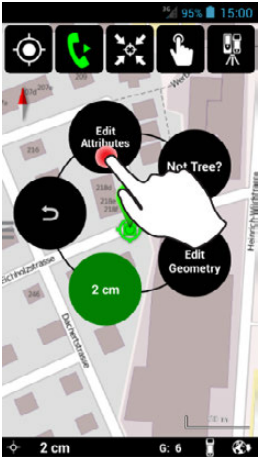
Step	Description
3.	<p data-bbox="474 174 892 205">Tap the  toolbar button again.</p> <p data-bbox="474 244 882 337">The New Layer dialog pops up to make you define the first layer in your project.</p> <p data-bbox="474 379 918 565">Let us, for example, define a feature layer called "Tree". To do so tap the Name field and type "Tree". The System Name will be written automatically, but can be changed if necessary.</p> <p data-bbox="474 607 904 664">Leave the Geometry Type ("Point") as is.</p> <p data-bbox="474 705 918 767">Tap OK to close the dialog and create the new feature layer.</p>


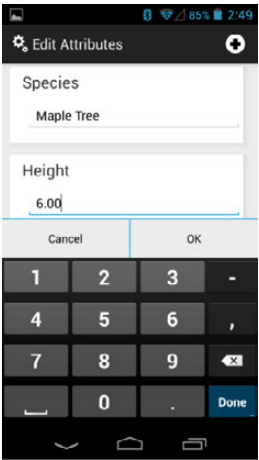


Step	Description	
4.	<p>In the Map View the Feature Tag pops up.</p> <p>The feature tag shows you:</p> <ol style="list-style-type: none">the feature layer of the measurement that you have just taken, in this case "Tree"the symbology that is currently used for the feature layer "Tree" <p> The feature tag stays open for 5 seconds, then it transforms to the green pin . In order to re-open the feature tag, tap onto the green pin.</p>	 <p>The screenshot shows the Zeno Mobile app interface. At the top, there is a status bar with 95% battery and 15:00. Below it is a toolbar with icons for compass, phone, location, hand, and camera. The main area is a map showing a street grid with buildings. A green location pin is placed on a building, and a black feature tag with a white plus sign and the text 'Tree' is overlaid on it. At the bottom, there is a scale bar showing 2 cm, a scale of 1:4, and a scale of 1:1000. The bottom left corner shows the ID 010275.001.</p>

Step	Description
	<p data-bbox="481 156 1365 280"> If you have acquired a Zeno Mobile Professional license you can collect more than one feature on a single measurement (Multi-Collect) by tapping the  icon in the feature tag. For further details on Multi-Collect please refer to the Zeno Mobile Help menu.</p>


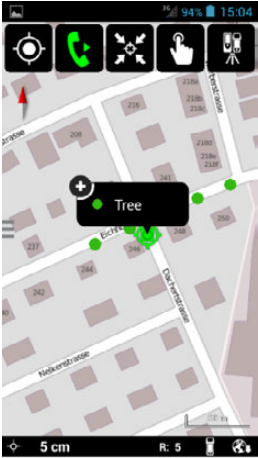
How to edit attributes?

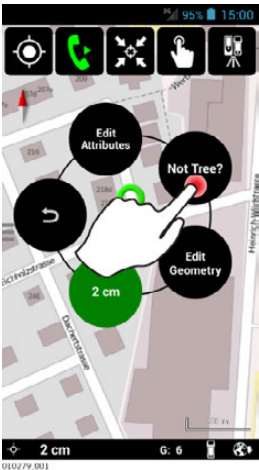
Step	Description	
1.	Tap the feature tag to open the Wheel Menu .	
2.	In the Wheel Menu tap Edit Attributes .	


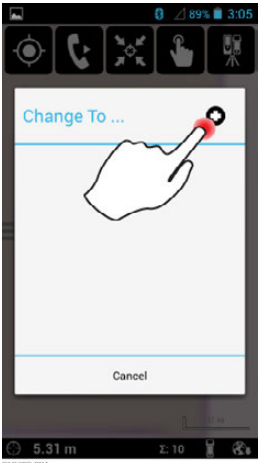
Step	Description	
3.	<p>In the Edit Attributes dialog tap the  in the upper right corner to add an attribute.</p> <p>For "Trees" you will most likely define attributes of Data Type "Text" and/or "Number" so that you can specify their species, height and/or diameter.</p>	

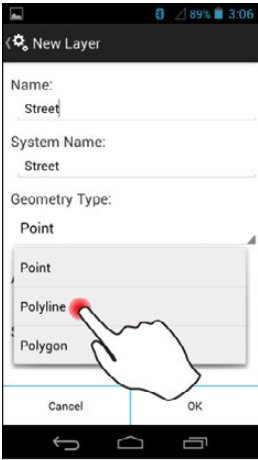
How to measure a line/polygon?


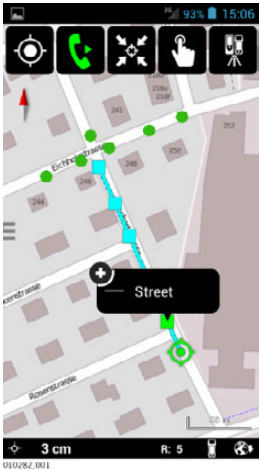
Let us assume that after you have measured a series of trees along a street you want to measure the street. The street is a line feature.

Step	Description	
1.	<p>Move to the first point on the street and tap the  toolbar button.</p> <p>The feature tag pops up suggesting that the point measured will be another tree.</p>	 <p>The screenshot shows a mobile application interface with a map. At the top, there is a status bar with 94% battery and 15:04. Below it is a toolbar with icons for location, phone, zoom, pan, and a feature tag. The map shows a street grid with a red location pin and a feature tag labeled 'Tree' with a green dot. The bottom status bar shows a scale of 5 cm, a radius of 5, and other icons. The text '0102/8.001' is visible at the bottom left of the map area.</p>

Step	Description	
2.	<p>Tap the feature tag to open the Wheel Menu.</p> <p>In the Wheel Menu tap Not Tree?</p>	





Step	Description	
3.	<p>The Change To ... dialog pops up.</p> <p>Tap the  in the upper right corner to define the new street feature layer.</p>	


Step	Description	
4.	<p>The New Layer dialog pops up.</p> <p>Tap the Name field and type, for example, "Street".</p> <p>Tap the System Name field and select "Polyline" from the choice list.</p> <p>Tap OK to create the feature layer "Street". It will automatically be selected for use.</p>	

Step	Description	
5.	<p>The just measured point will be the first vertex of the "Street" feature.</p> <p>Continue to take further measurements along the "Street" until you arrive at the final point.</p> <p>To complete the "Street" tap Finalize Feature in the Wheel Menu.</p> <p> For details on how to pause and resume features please refer to the Zeno Mobile Help menu.</p>	

Improving the position quality

To improve the position accuracy you need to establish an RTK connection.



Step	Description	
1.	Open the Navigation Slider and tap onto Settings .	
2.	Tap GNSS > Realtime .	
3.	<p>In the Realtime dialog tap the  in the upper right corner to define a new RTK profile. You will be guided through a wizard.</p> <p> For selected countries a pre-defined SmartNet profile is available.</p> <p> For details on the wizard please refer to the Zeno Mobile Help menu.</p>	








Step	Description
4.	Press Finish to leave the wizard and create the new profile. It will automatically be selected.
5.	Tap the  toolbar button. After a while the icon becomes green and the position accuracy increases. To stop RTK tap the button again.

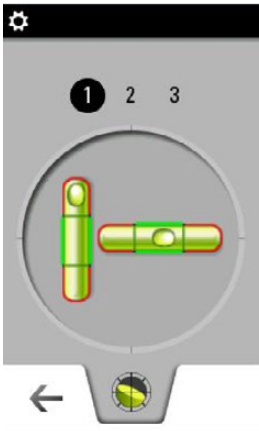
How to use gamtec?





In order to use **gamtec** make sure that you have acquired a Professional license of Zeno Mobile.




Step	Description
1.	<p>Tap the  toolbar button to switch the gamtec mode on and off.</p> <p>Make sure that WiFi is switched off. Zeno Mobile will automatically set up a hotspot of its own.</p> <p> For details on how to proceed when you are already connected to a network please refer to the Zeno Mobile Help menu.</p>

Step	Description
2.	<p>Switch on the Disto S910, press the FUNC key, go to  Settings and tap WiFi on .</p> <p>Follow the steps by tapping  WLAN and  Select Network.</p> <p>In the Select Network page look for the Zeno Mobile hotspot and tap it to establish the connection.</p> <p> For details on how to connect your Disto S910 with Zeno Mobile refer to the Zeno Mobile Help menu.</p>
3.	<p>In Zeno Mobile the Setup Disto S910 will start up automatically. Follow the steps.</p>
4.	<p>Orientate the gamtec setup in the map.</p> <p>Tap and hold the preliminary target point  and drag it to a known reference point in the map.</p> <p> For the gamtec setup the current GNSS position will be used.</p>

Step	Description	
5.	<p>On the Disto S910 the levelling wizard will start up automatically.</p> <p>Follow the steps as indicated on the instrument.</p>	 <p>010289.001</p>
6.	Measure the reference target selected in step 4.) with the Disto S910.	

Step	Description
7.	<p>In the Zeno Mobile Notification Area you will get the confirmation that the setup has been oriented successfully.</p> <p>The symbol that indicates the gamtec setup in the Map View turns from red  to green  .</p>

Now you can start taking offset measurements. Disto S910 measurements are always triggered on the Disto S910 itself.

Step	Description
1.	<p>Measure a point and tap the WLAN button  to send the measurement to Zeno Mobile.</p> <p> The Meas App is started automatically on the Disto S910 as soon as the connection between Disto S910 and Zeno Mobile is established.</p>
2.	<p>To switch off the gamtec mode and return to measuring with GNSS only tap the gamtec button . It will turn white again.</p>

**Available
documentation**

Comprehensive **Help** on Zeno Mobile functionality is available within the application.



To access the Zeno Mobile Help menu open the Zeno Mobile Navigation Slider and tap onto **Help**.

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