






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>



Zeno Mobile Components



- a) Zeno Mobile Toolbar buttons
- b) Zeno Mobile Notification Area: slide upwards to open the Zeno Mobile Notification Drawer
- c) Slide towards the middle to open the Zeno Mobile Navigation Slider
- d) Map View

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:






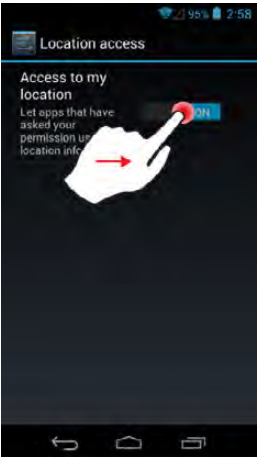
- a) GNSS solution type
- b) Estimated position accuracy
- c) Satellites in use
- d) Antenna in use
- e) RTK connection type


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

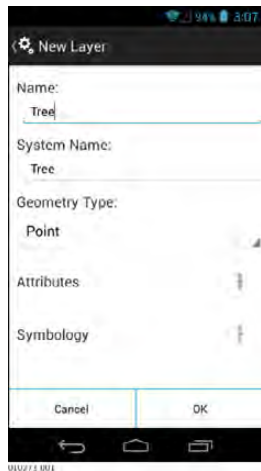
- the GNSS position is lost
- the RTK fix is lost
- the solution type changes (only if accuracy is lost)



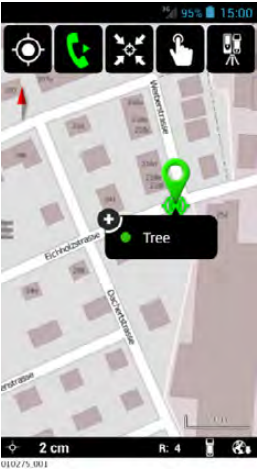
How to measure a Point?



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>01072001</p>

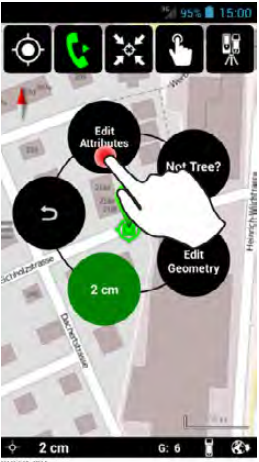
Step	Description
3.	<p data-bbox="474 163 892 205">Tap the  toolbar button again.</p> <p data-bbox="474 246 882 339">The New Layer dialog pops up to make you define the first layer in your project.</p> <p data-bbox="474 381 918 567">Let us, for example, define a feature layer called "Tree". To do so tap the Name field and type "Tree". The System Name will be written automatically, but can be changed if necessary.</p> <p data-bbox="474 609 904 666">Leave the Geometry Type ("Point") as is.</p> <p data-bbox="474 707 918 769">Tap OK to close the dialog and create the new feature layer.</p>


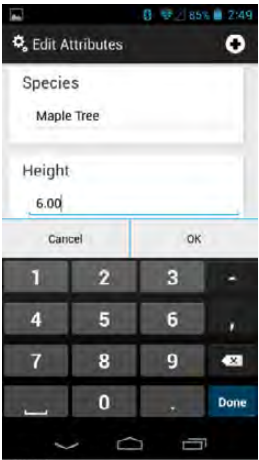


Step	Description	
4.	<p>In the Map View the Feature Tag pops up.</p> <p>The feature tag shows you:</p> <ol style="list-style-type: none">the feature layer of the measurement that you have just taken, in this case "Tree"the symbology that is currently used for the feature layer "Tree" <p> The feature 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 a mobile application 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 with a street grid. A green location pin is placed on a street, 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 map data version number 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>


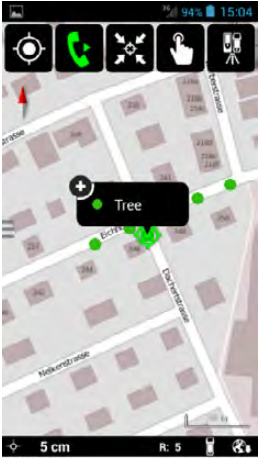
How to edit attributes?


Step	Description	
1.	Tap the feature tag to open the Wheel Menu .	 <p>The screenshot shows a mobile application interface for editing map features. At the top, there is a status bar with 95% battery and 15:00. Below it is a navigation bar with icons for location, phone, settings, a hand, and a camera. The main area is a map showing a street layout with labels like 'Schützstrasse' and 'Dauerstrasse'. A green circular feature tag labeled '2 cm' is on the map. A hand icon is shown tapping this tag, which has opened a 'Wheel Menu' with three options: 'Edit Attributes', 'Not Tree?', and 'Edit Geometry'. The bottom of the screen has a black bar with '2 cm', '6: 6', and other icons. The text '0102/76.001' is visible at the very bottom.</p>
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>	

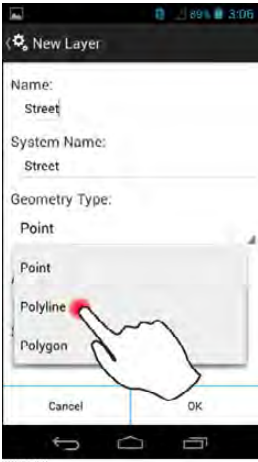
How to measure a line/polygon?


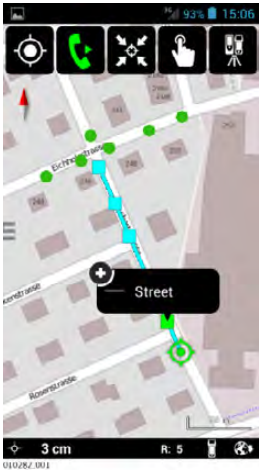
Let us assume that after you have measured a series of trees along a street you want to measure the street. The street is a line feature.

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 five icons: a location pin, a green phone icon, a compass, a hand icon, and a camera icon. The map shows a street grid with labels like 'Nalkentstraße' and 'Dorfstraße'. A green line is drawn along a street, and a feature tag labeled 'Tree' with a plus sign is positioned over one of the green dots on the line. At the bottom, there is a scale bar showing '5 cm' and 'R: 5', along with a compass and a camera icon. The bottom-most text reads '010278.001'.</p>

Step	Description	
2.	<p>Tap the feature tag to open the Wheel Menu.</p> <p>In the Wheel Menu tap Not Tree?</p>	 <p>The screenshot shows a mobile application interface with a map. At the top, there is a status bar with signal strength, 95% battery, and 15:00. Below the status bar is a navigation bar with five icons: a compass, a green phone icon, a four-way arrow icon, a hand icon, and a person icon. The main area is a map showing a street intersection. A 'Wheel Menu' is overlaid on the map, consisting of five circular buttons: 'Edit Attributes' (black), 'Not Tree?' (black), 'Edit Geometry' (black), '2 cm' (green), and a circular button with a white arrow (black). A hand icon is shown tapping the 'Not Tree?' button. At the bottom of the screen, there is a black bar with a location pin icon, '2 cm', 'G: 6', and a refresh icon. Below this bar is the text '010279.001'.</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.	In the Realtime dialog tap the  in the upper right corner to define a new RTK profile. You will be guided through a wizard.  For selected countries a pre-defined SmartNet profile is available.  For details on the wizard please refer to the Zeno Mobile Help menu.	








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.

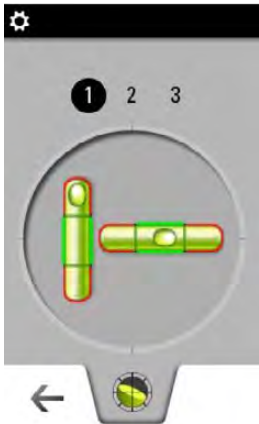
How to use gamtec?





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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