

Leica Zeno Mobile Smart Positioning

Zeno Mobile
with Smart Positioning

Satellite signals



HxGN SmartNet
no mobile internet connection



Raw data logging



Always the best accuracy

Zeno Mobile's innovative Smart Positioning ensures that you will always receive the best positional accuracy. Depending on the existing conditions and available services, Zeno Mobile selects the optimal correction source – from RTK to Post Processing.



Automatic Post Processing

Revival of GNSS Post Processing! Never worry about the loss of mobile coverage and RTK again. Through Zeno Mobile's Smart Positioning, always have highly accurate coordinates with HxGN SmartNet's cloud post processing service.



Ultimate simplicity

Post Processing – the Zeno Mobile way. Expertise in GNSS post processing is not required. Corrections are performed directly in Zeno Mobile without the need for additional desktop software.

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- when it has to be **right**

Leica
Geosystems

Smart Positioning

Zeno Mobile is Leica Geosystem's easy-to-use data collection app available for Android™ phones and tablets.

Concept

- Easy to use surveying app for utility workers with limited surveying knowledge
- High accuracy measurements provided with the reliability and accuracy of the world's largest reference station network – HxGN SmartNet

Everyday Challenges

- Access to mobile networks for the use of RTK is not always possible in remote or rural areas
- Precise Point Positioning (PPP) services can be used to overcome this but an extra license is required
- Post Processing is a long-established method of improving accuracy but it is complicated and time consuming

Democratise Post Processing through simplification

How does the new Post Processing concept work?

- Smart Positioning is included in both Zeno Mobile Standard and Professional versions
- Once activated, Zeno Mobile automatically uses the best method of improving accuracy depending on the conditions

Example Workflow

1. Mobile data connection is lost while field crew is working in a remote area but continues with data collection as per normal
2. Zeno Mobile continuously logs raw satellite information in the background for later use
3. When mobile data connection is restored, Zeno Mobile automatically sends the raw data to HxGN SmartNet's cloud post processing service
4. Post processing is automatically carried out in the cloud and the improved positions are sent back to Zeno Mobile
5. Zeno Mobile automatically updates the features with the improved, more accurate positions

This unique service takes away the need for extensive post processing know-how and because the post processing is performed on the mobile device, desktop post processing software is also no longer required. Smart Positioning is available with Zeno Mobile and a valid HxGN SmartNet RTK GIS Unlimited subscription.

Note: Smart Positioning is available only in countries offering HxGN SmartNet. Check coverage at <https://hxgnsmartnet.com/coverage>



Technology Integrations

HxGN SmartNet

HxGN SmartNet transforms the world's largest reference station network into a high accuracy positioning service provider. Pair the Leica Zeno Tab 2 with the Leica GG04 plus smart antenna and connect to HxGN SmartNet GNSS correction services to enable up-to one centimetre positioning in real-time, allowing for faster and more accurate data collection in the field.

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