

Webinar

u-center 2 – the new way to evaluate GPS/GNSS performance

Mehjabin Sultana, Application Engineer

Bernd Heidtmann, Product Manager



Webinar agenda



- What is u-center 2?
- Differences between u-center and u-center 2
- u-blox M10 platform introduction and target use cases overview
- Live demo of use-case-specific device configuration
- Q&A with our industry experts



Bernd Heidtmann



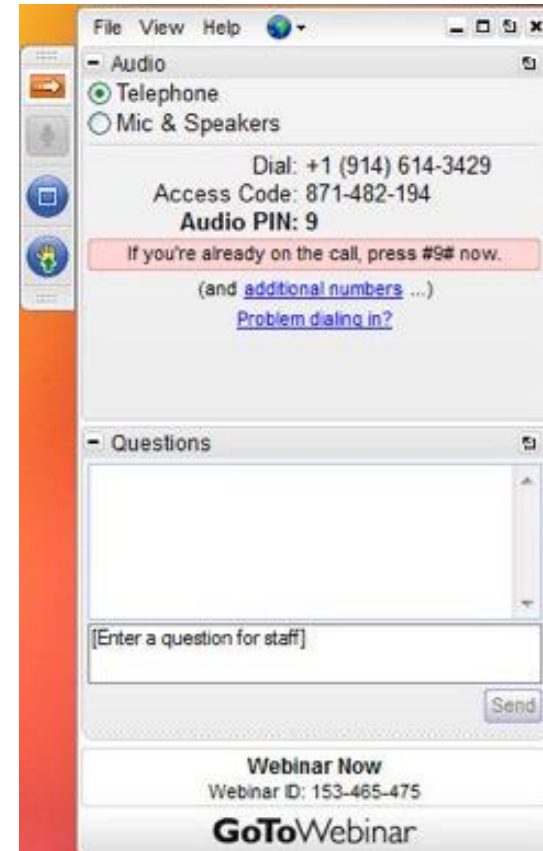
Mehjabin Sultana



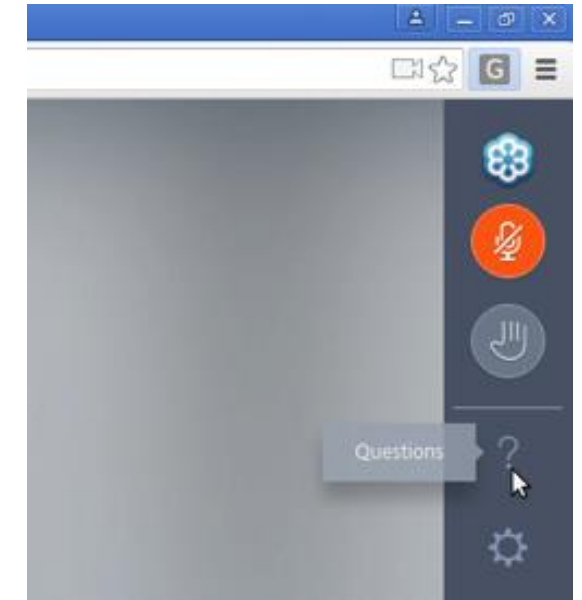
Mandy Ferreira, Moderator

Housekeeping

- This webinar will be recorded and sent to you automatically
- The presentation will be available as a PDF on demand
- Feel free to ask questions; there will be a Q/A session at the end
 - Place questions as seen to the right
 - If we didn't cover your question we will get back to you in written!



- Desktop software



- Instant join viewer

Our speaker today

Mehjabin Sultana



Mehjabin Sultana is an application engineer in the Standard Precision Support team in Product Center Positioning at u-blox.

She provides 2nd level technical support to customers. She also works in the consumer and industrial positioning product development team, u-center 2 development team and manages software updates and deliveries for u-center, u-center 2, windows driver and firmware update tool.



Our speaker today

Bernd Heidtmann



Bernd Heidtmann is product manager for the M10 technology platform and module series and a member of the Product Strategy Team of the Product Center Positioning at u-blox.



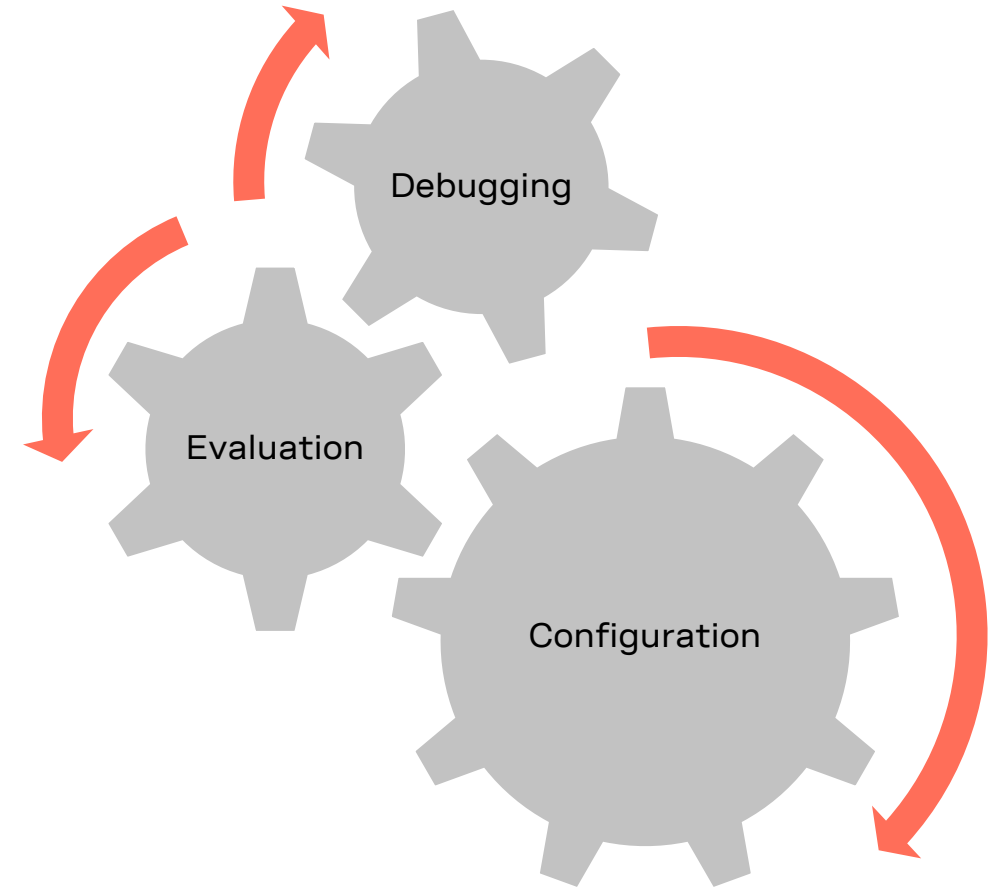
What is u-center 2?

u-center

Highly intuitive software for GNSS performance evaluation

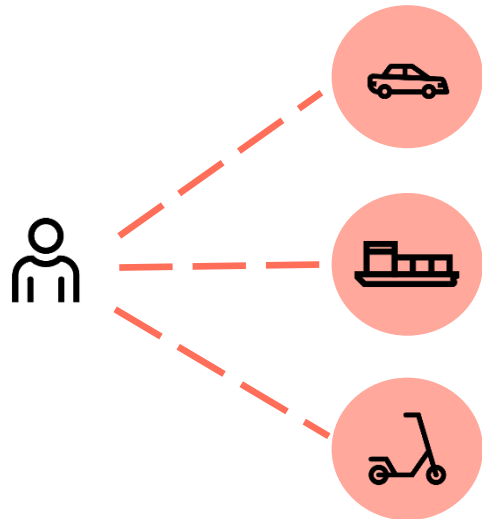


- Fully compatible with u-blox leading positioning technologies
- Quick product configuration for key use cases
- Flexible user interface with personalized workspaces
- Powerful logging functionality for efficient development support
- Easy evaluation of u-blox GNSS services



u-center

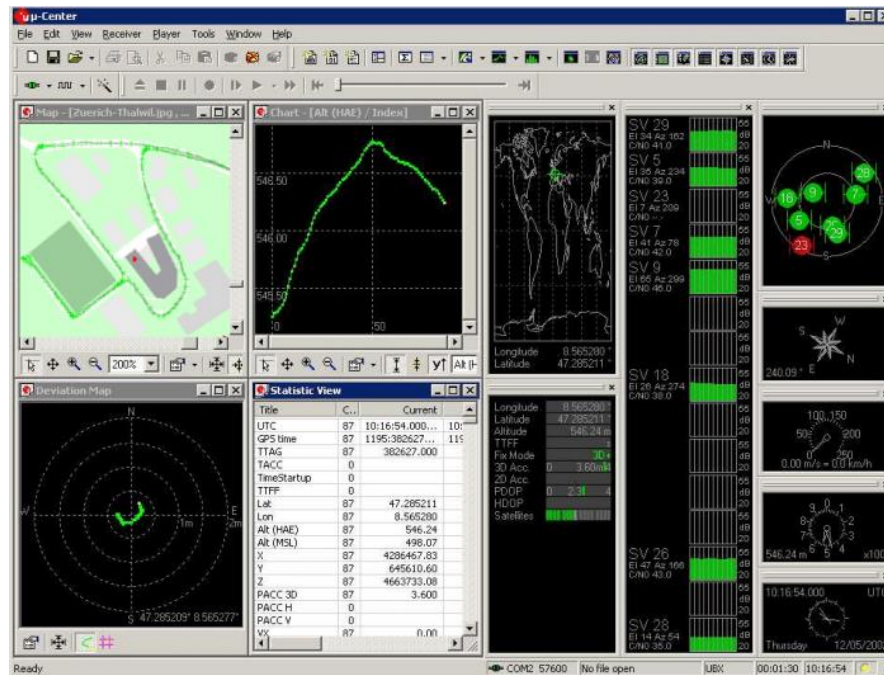
Highly intuitive software for GNSS performance evaluation



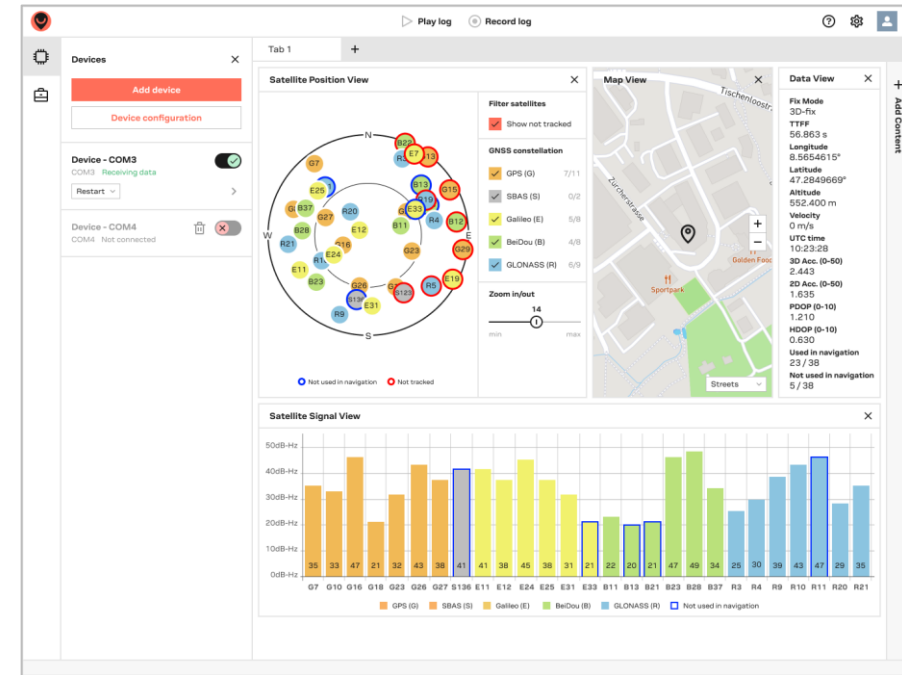
Designed to evaluate GNSS performance and to easily configure products by use case

Differences between u-center and u-center 2

Two versions of u-center



u-center



u-center 2

u-center and u-center 2 comparison



- Product configuration is much easier with u-center 2
- There is a new logfile format in u-center 2, but with backward compatibility for u-center
- u-center 2 offers improved usability features

	u-center	u-center 2
GNSS receiver support		
u-blox M8 and earlier	•	
u-blox F9/M9	•	☐
u-blox M10 and later		•
GNSS receiver configuration		
Quick configuration	•	•
Advanced configuration	•	•
Easy configuration sharing		•
GNSS services evaluation		
u-blox AssistNow	•	•
u-blox PointPerfect	•	☐
u-blox CloudLocate		☐
GNSS data log player	basic	advanced
Usability		
User guide	offline document	web-based
Context-related help		•
User-defined workspaces	single	multiple
Firmware update tool	•	☐
Automatic software updates		•

☐ = Planned for later release

u-center is available from u-blox.com



- Visit u-blox.com/u-center to get the free software
- The u-center product page provides links to user guides for both u-center versions

The screenshot shows the u-blox website's product page for u-center. The page features a navigation bar with 'Products & Services', 'Solutions', 'Support', and 'Company'. A breadcrumb trail reads 'Home → Product Selector → u-center'. The main heading is 'u-center' with the subtitle 'GNSS evaluation software for Windows'. A 'Highlights' section lists five key features: compatibility with leading positioning technologies, quick configuration for key use cases, a flexible user interface with personalized workspaces, powerful logging functionality for development support, and easy evaluation of GNSS services. A screenshot of the u-center software interface is shown to the right. Below the highlights, there are two download buttons: 'Download u-center 2' for M10 products and 'Download u-center, v22.05' for M9 products and below. At the bottom, a 'Related links' section provides links to the 'u-center 2 user guide', 'u-center user guide', and 'u-center product summary'.

u-blox

Products & Services Solutions Support Company

Home → Product Selector → u-center

u-center

GNSS evaluation software for Windows

Highlights

- Fully compatible with u-blox leading positioning technologies
- Quick product configuration for key use cases
- Flexible user interface with personalized workspaces
- Powerful logging functionality for efficient development support
- Easy evaluation of u-blox GNSS services

For M10 products only:

[Download u-center 2](#)

For M9 products and below:

[Download u-center, v22.05](#)

Related links

- [u-center 2 user guide](#)
- [u-center user guide](#)
- [u-center product summary](#)

It's polling time!

u-blox M10 introduction and target use cases overview

u-blox M10 platform

Low-power meter-level GNSS positioning



Ultra-low-power GNSS receiver for small-sized, high-performance asset-tracking and wearable devices



u-blox M10 platform

Low-power meter-level GNSS positioning



Below 15 mW power consumption without compromising GNSS performance



Highly integrated solutions optimized for size-constrained devices



Maximum position availability with concurrent reception of four GNSS






Proven excellent performance, even with small antennas



Advanced spoofing and jamming detection

Use-case specific GNSS device settings



	Car tracker	Sport watch	People/animal tracker
			
Battery	●●●	●	●●
Update rate	Few times per second	Every few seconds	Every few minutes
Power saving option	None	Cyclic	On/Off
Dynamic profile	Fast horizontal velocity, but little in vertical	Arm swing	Slowly moving

It's polling time!

Live demo of use case specific device configuration

Summary

Summary



The new way to evaluate GPS/GNSS performance: u-center 2

- A use-case specific configuration can improve the GNSS performance
- u-center 2 helps with the GNSS device configuration
- u-center 2 is available free-of-charge from u-blox.com/u-center



More webinars



- Find out how you can reduce the GNSS power consumption by up to 90%
- u-blox new GNSS platform, entering the next level of standard precision positioning

Register at www.u-blox.com/webinar

Webinar

Seeking insight? In our webinars, our experts share their knowledge on challenges, opportunities, and solutions related to wireless positioning and communication technologies.

 Webinar RSS Feed

 05 June 2020

Webinar: Next-generation wireless connectivity for Industry 4.0

The transition to Industry 4.0 will depend on a successful adoption of many new technologies. Not only will they help make factories more efficient, production lines more flexible, and smart

Learn more

On-line resources to guide you further



- **[Product / Technology Page]**

- [\[MAX-M10 series\]](#)
- [\[MIA-M10 series\]](#)
- [\[SAM-M10Q module\]](#)
- [\[Standard precision positioning\]](#)
- [\[u-center 2\]](#)
- <https://www.u-blox.com/en>

- **Videos**

- [\[u-blox u-center 2\]](#)
- [\[u-blox MIA-M10, the world's smallest GNSS module\]](#)
- [\[u-blox M10 - new low-power meter-level GNSS positioning platform\]](#)
- www.youtube.com/u-blox1

- **Blogs**

- [\[Quick use case specific GPS device configuration with u-center 2\]](#)
- [\[A new tool to improve the quality of GPS-based tracking applications\]](#)
- [\[11 things you probably didn't know about u-center\]](#)
- www.u-blox.com/blog

- **Magazine**

- [\[The power of positioning\]](#)
- www.u-blox.com/downloads

Q&A!

Want to know more?

Here are your go to places



- Technical support contacts
 - www.u-blox.com/contact-technical-support
- Support forum
 - forum.u-blox.com
- Sales contacts
 - www.u-blox.com/about-us/sales-network-offices
- Documentation
 - www.u-blox.com/product-resources

u-blox Products Support Beyond 🔍 👤 🛒

Home → Support → Contact support

Contact Technical Support

If you need technical support for any u-blox products or support tools, please [check our Support Forum](#) to answer your question or contact the [u-blox office or sales representative](#) nearest you.

For urgent issues, contact the u-blox Regional Technical Support Center nearest you:

Europe, Middle-East, Africa:

Support Forum:	forum.u-blox.com
Technical Support:	Please fill in project form

Americas:

Support Forum:	forum.u-blox.com
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Asia-Pacific HQ:

Thanks for watching!